

Product Listing Miscellaneous Enhancements

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Document History

Version	Date	Author	Description
1	11/16/2012	Patty	First version to review with team
2	11/21/2015	Patty	User Stories sent to Vincent to paste into Axure
3	12/5/2012	Patty	Updates after review with developers
4	12/6/2012	Patty	Updates after conference call with ABA re: display of sales pricing (user story 1.9)
5	12/9/2012	Patty	Updates to user story 1.9 after meeting with Aseem to review suggested approach
6	12/11/2012	Patty	Updates to user story 1.9: <ul style="list-style-type: none"> • Need same configuration options on Product Detail Page control as on Product Listing control • Need to pass market code or coupon code defined in the controls to the cart
7	12/20/2012	Patty	<p>This is the first version to be used by developers for development.</p> <p>Updates based on instructions to reduce scope:</p> <ul style="list-style-type: none"> • User Story 1.5 re: Pre-Defined Filters on Online Store Control – eliminated three of the eight filters by using strikethrough font • User Stories 1.6.X - Streamlined Product Preview user stories so that more subsystem products can use a “generic” product preview • User Stories 1.7.X – Streamlined Product Listing user stories so that more subsystem products can use a “generic” product listing content • User Story 1.8.1 re: “Notify Me When Available” - removed • User Story 1.9 re: Display of Sales Pricing - removed • User Stories 2.2.X – Streamline Product Detail Page user stories so that more subsystem products can use a “generic” product detail page • User Story 2.2.2 – DCD Product Detail – added scope to user to create DCD_Product.ISBN field • User Story 2.4 re: Quantity-Based Pricing – rewrote to use current quantity-based discount functionality • User Story 3.1 re: Top Sellers - Updated to make it clear that no development is needed; however, the developer should validate that the existing marketing promotion control will handle the top seller requirement.

Version	Date	Author	Description
			<ul style="list-style-type: none"> User Story 3.2 re: Google Preview - Updated to add ISBN field for ECD products. User Story 4.1 re: Subscription Detail Page – this user story is the same as user story 2.2.5. <p>Added an Appendix to hold the user stories that were modified or removed.</p>
8	1/14/2013	Patty	<ul style="list-style-type: none"> User Story 1.7.4 – updated to include logic for “Cancelled” product listing product alert User Story 1.8 – updated reference to MTG products
9	1/15/2013	Patty	<ul style="list-style-type: none"> User Story 1.7 – added additional comments related to default sort for products on the product list page User Story 1.7.3 – updated price details instruction to make it clear how the price string is to be composed User Story 1.7.5 – corrected reference to User Story 1.6 to be User Story 2.2.5
10	1/16/2013	Patty	<ul style="list-style-type: none"> User Stories 1.7 – updated logic for displaying rates to include Product_Rate_Code.ACTIVE_FLAG and Product_Rate_Code.ECOMMERCE_FLAG User Story 1.7.5 and 2.2.5 – Updated logic for how Frequency will be stored and displayed
11			<p>Accepted all “Track Changes” made to date</p> <ul style="list-style-type: none"> User Story 1.6.4 – Added logic for calculating pricing for packages. User Story 1.7.1 – Removed PCK (packages) from generic Product Listing control User Story 1.7.6 (new) – Added Product Listing design for PCK (packages), because pricing is calculated differently for packages User Story 2.2.1 – Removed umbrella products from the generic Product Detail page user story because developers felt it needed to be a separate user story because the “Buy Box” shows options (e.g., colors and sizes); updated Buy Box wireframe to remove option to select rate User Stories 2.2.2 and 3.2 – corrected references to DCD subsystem; it should be ECD

Version	Date	Author	Description
			<ul style="list-style-type: none"> • User Story 2.2.6 – updated logic for calculating package pricing • User Story 2.2.8 – new user story for Product Detail page for UMB products because Buy Box shows options • User Story 3.2 – update Google Preview user story to specify that Google Preview should open in a new tab, not in a pop-up screen <p>Note: Only 2 user stories show where a user is allowed to select their rate, and that's for User Story 2.2.5 (SUB) and 2.2.7 (MBR). This was already addressed in the chart under Price.</p>
12	2/05/2013	Patty	<ul style="list-style-type: none"> • Accepted all changes in document made in previous version • User Story 1.7 <ul style="list-style-type: none"> ○ If a product can meet both pre-order and backorder, pre-order should show. Added a new, separate sort level for pre-order and for the other INV product alerts. ○ Removed logic for excluding umbrella products; explained that umbrella products are excluded by existing logic • User Story 2.2.2 re: ECD <ul style="list-style-type: none"> ○ Added logic to state that ECD files should not be listed if the file is expired ○ Added information that the “More Information” hyperlink should display Ecd_Setup.DESCRPTION ○ Downloads allowed until – updated to remove the reference to VALID_UNTIL. Added note for documentation that Product Detail page only displays download info for the first file, because it is assumed that all of the files have the same download properties. ○ User Story 2.2.3 re: FND Products – updated logic for how donation amounts are displayed ○ User Story 2.2.4 – fixed Inv_Product field name; it's Product. PREORDER_AVAILABLE_DATE ○ User Story 2.2.5 and 2.2.7 – updated

Version	Date	Author	Description
			<p>to state that Your Price allows user to select RATE_CODE, not RATE_STRUCTURE; in User Story 2.2.5, removed the reference to “Term” because on the wireframe it is shown as “Your Price”.</p> <ul style="list-style-type: none"> ○ User Story 2.2.6 – Updated to include the logic for calculating PCK savings; also in the Action Buttons section, removed the reference to displaying the Backorder button ○ User Story 2.4 – Display of Quantity-Based, Discounted Pricing – updated to restrict this to just INV products ○ Removed references to locked currency in all user stories
13	2/24/2013	Patty	<ul style="list-style-type: none"> • Accepted all previous changes made with Track Changes turned on • User Story 1.4 – Changed App_Type field name to IMAGE_RESIZE_CODE; modified screen design to show image on the same screen; added requirement that users need to be able to add icons for EVENT_FORMAT. • User Story 1.7 – Updated to include missing product alert tags • User Story 1.7.1 – added a note that only the umbrella product should be included in the product listing, not the products contained in the umbrella. No development is needed for this, but this note was added so that QA would include this in testing. • User Story 1.7.4 – Updated to include missing product alert tags • User Stories 2.2.1 and 2.2.6 – Because the “Product Reviews” feature was only implemented for DCD/ECD, INV, MBR and SUB products, updated to say that the “Read All Reviews” and “Write a Review” links should be removed. • User Stories 1.7, 2.2.1, 2.2.2, 2.2.4, 2.2.6, 2.2.8 – Updated so that it’s clear that only the default rate code is displayed. Only MBR and SUB products allow the user to select rate codes. • User Stories 2.2.1, 2.2.2, 2.2.4, 2.2.5, 2.2.6, 2.2.7 – Updated so that it’s clear the “Want to

Version	Date	Author	Description
			<p>save more?” control needs to be able to be added to product detail pages, but that this is an existing control that the MISC e-business team does not have to develop.</p> <ul style="list-style-type: none"> • User Story 2.2.4 – Added information about displaying ISBN number for INV products • User Story 2.3 – Updated validation for FILE_TYPE to use SUBSYSTEM of ORD instead of APP • User Story 4.3 – Specified that the notification event that should be used for confirming purchase of a MBR online-content-access product is “New Web Order”.
14	4/21/2013	Patty	<ul style="list-style-type: none"> • Changed term “badge” to “product alert” • User Story 1.4 – specified that the legend is a dynamic list that just includes the icons on the page. If no products have icons, then the legend should not be displayed. Removed references to icons for Event Format, which supposedly was being implemented by the Meetings team. Icons for event format should not be displayed; this does not affect the Online Store 1.2 work; rather, this affects the Meetings team. • User Story 1.5 – Specified that all predefined filters should have “Filter” as the first word in their title so that they will be sorted together • User Story 1.7 – added logic for displaying CE Credits (this had previously been sent to the team as a separate document) • User Story 1.7 – added additional clarifications for “Backorder Available” and “Out of Stock” INV product alerts; added business scenario matrix that details what product alerts are displayed under all possible scenarios • User Stories 1.6.4, 1.7.6 and 2.2.6 – Added logic for calculating package pricing (this had previously been sent to the team as a separate document) • User Stories 1.6.5, 1.7.1 and 2.2.8 – Added logic for displaying pricing for umbrella products, if the products linked to the umbrella product have different pricing. • User Story 1.7. – updated logic for INV product alerts

Version	Date	Author	Description
			<ul style="list-style-type: none"> • User Story 1.7.3 & 1.7.4 – Specified that, in the Product Listing, only the price for the default rate should be displayed. • User Story 1.8 – Updated screen shot of ProductCentral for INV product to show that the “Pre-Order Available Date” is in the Inventory Product Details group box; added additional criteria that “Pre-Order Available Date” can only be edited for products that allow backorders • User Story 2.2 – Added a note that, for the 7.5.0 release, Related Links was only being implemented for Meetings. • User Stories 2.2.2 and 2.2.4 – corrected price information to say that only the price for the default web-enabled rate code should be displayed • User Story 2.2.4 – Removed reference to “Notify Me When Available” • User Story 2.2.8 – no product alerts are displayed on an umbrella product, but when the user selects a product then the product alerts display. No “Pre-Order” information is available on an umbrella product, but when the user selects a product then the “Pre-Order” information is displayed. Removed reference to “Notify Me When Available”. • User Story 4.3 – “Online Access” for MyProfile <ul style="list-style-type: none"> ○ Added new DIGITAL_SUBSCRIPTION_URL field to Sub_Product ○ Updated to include digital subscriptions that members are receiving as a member-benefit ○ Added logic for displaying records in the Online Content Access grid
15	5/6/2013	Patty	<ul style="list-style-type: none"> • User Story 1.5 - Added an additional pre-filter to exclude products from the Product Listing page based on one or more product class codes. This is needed to meet a contractual requirement for ABA. The filter caption is “Filter: Product Class Code(s) to Exclude”. • User Story 1.5 – Changed the caption for “Filter: Product Class Code(s)” to “Filter: Product Class Code(s) to Include”

Design Changes

Change Made in Version	User Story Affected	Description of Change	Author
10	User Stories 1.7.5 and 2.2.5	Updated logic for how Frequency will be stored and displayed	Patty
11	User Story 1.7.6 (new)	Added new user story for Product Listing for Packages because price is calculated differently for packages	Patty
13	User Story 1.7	Added additional product alerts	Patty
14	User Story 4.3	A new requirement was added that customers be able to access a web page to view publication issues if the customer has a current subscription to a digital publication.	Patty
15	User Story 1.5	Added a new pre-filter to allow products to be excluded from the product listing page based on product class.	Patty

Product Listing Miscellaneous Enhancements

Overview

This document provides Functional Design for functionality included in the e-Business Product Listing Miscellaneous Enhancements MRD.

What's Covered and What's Not Covered

Other items were identified during the course of the project, but are not included in this functional design because they were not part of George's MRD. These include:

- Marketing/Star Ratings – the title of the marketing rating was supposed to be implemented, but the title of the marketing rating is not displayed in the control. A ticket should be created for this.
- Video – a requirement to support online videos came up, but is not included in this functional design, because it's not included in George's MRD, which means there are no detailed requirements.
- In 7.5.0, new functionality will be implemented in e-business that will allow the preferred date format for the site to be defined. All new .NET controls will reference that setup so that dates are displayed consistently. In 7.4.2, dates (such as meeting start and end dates) will continue to be displayed in USA format.

User Stories 1.1, 1.2 and 1.3 are not being implemented.

Summary List of User Stories

[User Story 1.4 Categorical Iconography](#)
[User Story 1.5 Additional Filters for Product Listing Page](#)
[User Story 1.6 Product Preview \(General\)](#)
[User Story 1.6.1 Generic Product Preview \(CRT, DCD, MISC, INV\)](#)
[User Story 1.6.2 Product Preview FND Products](#)
[User Story 1.6.3 Product Preview for MBR and SUB Products](#)
[User Story 1.6.4 Product Preview for PCK Products](#)
[User Story 1.6.5 Product Preview for Umbrella Products](#)
[User Story 1.7 Subsystem-Specific Product Listing Control \(Online Store Control\)](#)
[User Story 1.7.1 Generic Product Listing \(CRT, DCD, INV, MISC, PCK and Umbrella\)](#)
[User Story 1.7.2 Product Listing: FND Products](#)
[User Story 1.7.3 Product Listing: MBR Products](#)
[User Story 1.7.4 Product Listing: SUB Products](#)
[User Story 1.7.5 Product Listing: MTG Products](#)
[User Story 1.8 – Pre-Order](#)
[User Story 2.1.1 Display of Inventory Products](#)
[User Story 2.2 Product Detail Pages Should be Optimized Based on the Type of Product Being Promoted](#)
[User Story 2.2.1 - Generic Product Detail Page - CRT, MISC](#)
[User Story 2.2.2 Product Detail Page – DCD Products](#)
[User Story 2.2.3 Product Detail Page – FND Products](#)
[User Story 2.2.4 Product Detail Page – INV Products](#)
[User Story 2.2.5 Product Detail Page – SUB Products](#)
[User Story 2.2.6 Product Detail Page – PCK Products](#)
[User Story 2.2.7 Product Detail Page – MBR Online Access Products](#)
[User Story 2.3 Product Attachments](#)
[User Story 2.4 Bulk Pricing \(Display Quantity-Based Discounts\)](#)
[User Story 3.2 Google Preview Control](#)
[User Story 4.2 Purchase Online Access \(Membership\)](#)
[User Story 4.3 Online Content Access from Profile](#)

User Story 1.4 Categorical Iconography

Requirement from MRD

For certain categories, merchants want to be able to create standard iconography that will be used on the summary and detail pages.

Business Process Scenario from MRD

- The system should support being able to display unique icons for certain categories of products.
- This would include information such as product type (books, events, donations, etc.), items on sale.
- The system should support a member's only indicator.
- The system might support icons for the topical categories used with the taxonomical organization of products.
- The system should support the ability for the organization to choose the specific icons that are to be used.

- This management doesn't necessarily need to be in Personify, and could be managed via a configuration file if needed. [Designer note: we will manage within Personify.]
 -
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Exception Business Scenarios and Caveats from MRD

The icons are not intended to be hierarchical – all that apply would display; not in order of priority. [Designer note: we will display product class icons first, followed by category icons sorted in order by App_Code.DISPLAY_ORDER.]

According to ABA, there is no need to support 3- or 4-characters as an alternative to an image. If an organization wants to use letters as an icon, the letters can be rendered as an image.

Functional Design

There are two aspects to this implementation: back-office setup and display of icons on e-business product listing pages and product detail pages. When icons are displayed, a legend needs to be provided. The legend needs to be a dynamic list that only includes the icons for the products on the page.

Back-Office Setup

Support for e-business icons will be implemented at two levels: product class code and product category code. A product can only have one product class code. A product can have many product category codes.

If an organization does not want to use iconography on their web pages, they simply should not upload any images.

Product Class codes are stored in App_Code by subsystem. If an organization wants products of certain product class codes to have an icon displayed on the product listing page, they need to load the icon from the APP003 screen.

The interface needs to control the image size. As part of this design, a recommendation to add a field to App_Type called IMAGE_RESIZE_CODE is included, but developers should decide the best way for this to be implemented. For these images, we want to support a small icon size (16x16).

APP005 – App_Type Page

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Image Information Group Box				
Allow Image App_Type. ALLOW_IMAGE_FLAG (new field)	Checkbox that identifies Type codes that support images at the App_Code level. With this field, we can add a new page to only show the image field for those Type codes that	Yes	Controls the App_Code records that can be pulled up in the Code Images page. An upgrade script needs to be provided to set App_Type.ALLOW_IMAGE_FLAG to 'Y' where App_Type.TYPE in ('PRODUCT_CLASS', 'PRODUCT_CATEGORY')	<u>Validation:</u> Y or N <u>Default:</u> N <u>Allow Edit:</u> No, this is a system field that is set by Product Development; currently only PRODUCT_CLASS codes and PRODUCT_CATEGORY codes support images.

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
	support images.			
Image Size App_Type. IMAGE_RESIZE_CODE (new field)	Allows the user to identify the optimum image size for the icon to be used on e-business product listing and product detail pages.	No	When the user uploads an image for a code, the system should enforce the image size identified here. For product class and category icons, the recommended size is 16x16. A new App_Code record should be added for IMAGE_RESIZE, which is defined in the next chart.	App_Code.CODE where App_Code.SUBSYSTEM = 'APP' and App_Code.TYPE = 'IMAGE_RESIZE' and App_Code.ACTIVE_FLAG = 'Y'

IMAGE_RESIZE App_Code Record

When users upload images, the image needs to be of a consistent size supported by the e-business application. The suggested size for these images is 16x16. Currently in Personify, system types and codes is being used to manage image size. The following is suggested as a way to manage icon size. Add the following record to App_Code table:

App_Code Field	Value to be Set
SUBSYSTEM	APP
TYPE	IMAGE_RESIZE
CODE	16X16
DESCR	16x16
SYSTEM_FLAG	Y
DISPLAY_ORDER	1
SCREEN_RESTRICTION	NULL
PRIMARY_SUBCODE	NULL
ACTIVE_FLAG	Y
STATUS_CHANGE_DATE	Current date
AUTO_POPULATE_FLAG	N
AVAILABLE_TO_WEB_FLAG	Y
OPTION_1	16
OPTION_2	16
OPTION_3	NULL
SUBCODE_OPTION_1_REQD_FLAG	N
SUBCODE_OPTION_2_REQD_FLAG	N
SUBCODE_OPTION_3_REQD_FLAG	N
SUBCODE_OPTION_1_CAPTION	NULL
SUBCODE_OPTION_2_CAPTION	NULL
SUBCODE_OPTION_3_CAPTION	NULL
ADDOPER	Standard Personify system field
ADDDATE	Standard Personify system field
MODOPER	NULL
MODDATE	NULL
CONCURRENCY_ID	0
OPTION_4	NULL
PUBLIC_CODE_FLAG	N

App_Code Field	Value to be Set
OPTION_5	NULL
OPTION_6	NULL
CODE_OPTION_5_REQD_FLAG	N
CODE_OPTION_6_REQD_FLAG	N
CODE_OPTION_5_CAPTION	NULL
CODE_OPTION_6_CAPTION	NULL
ACCESSPOINT_CODE	NULL
USER_INSTRUCTION	NULL
HELP_TEXT	NULL

APP005 – App_Code Page

The screenshot displays the 'APP005 – App_Code Page' interface. On the left, there are 'Add Code' and 'Delete Code' buttons above a table with two columns: 'Code' and 'Description'. The table lists 'JRNL' (Journal) and 'MAG' (Magazine). Below the table is an 'Image' section with a 'Browse' button, a small image of a person, and a 'Clear' button. On the right, the 'Code Detail' panel for 'MAG' is shown, containing fields for Code, Description (Magazine), Help Text, Sub-Primary, Display Order (0), Option 1-6 (with 'Subscriptions' in Option 2), Status Date (2/14/2006), Number of Subcodes (0), Security Access-point, and User Instructions. At the bottom of the detail panel are checkboxes for 'System Level' (unchecked), 'Active' (checked), 'Auto Populate' (checked), and 'Available to Web' (checked), along with an 'Edit Subcodes for this Code' button.

The user can add images for product class codes that are stored at the subsystem level. If a product appears on the product listing page, if an icon image is defined for the product class of that product, the icon will be displayed as the first image.

Icon images can also be defined for product category codes. There are a number of differences between product category codes and product class codes. First, product category codes are stored in App_Code, but are not classified by subsystem; rather, all product category codes are assigned to the ORD subsystem. Second, while a product can only have one product class code, a product can have an unlimited number of product category codes.

The best-practice recommendation for using iconography on product listing pages is that no more than three or four icons be used.

Therefore, for convenience, images can be associated with all product category codes at the App_Code level, but the decision about which icons to display for a particular product will be made at the product category level rather than the App_Code. If an organization wants to have an icon display for a specific product category code defined for a product, they should copy the icon from App_Code to Product_Category.

To add an icon image to either a product class App_Code record or a Product Category App_Code record, a new task will be added to the “Code Types” task group called “Edit Code Images”. It should be the third task. Clicking that task will open the Edit Image page, where the user clicks the Type link to open a standard generic chooser, that allows searching on subsystem or type. The chooser should enforce a hard-coded criterion: App_Type.ALLOW_IMAGE_FLAG = Y.

Once selected, the user can upload images for App_Code records.

[Previous screen shot deleted].

Screen Caption/ Table.FIELD Name	Descrip tion	Requir ed?	Business Logic	Validations/Defaults
App_Code Detail				
Image App_Code. IMAGE_FILE_P ATH (new field)	When clicked, opens a standar d file browser and allows the user to search and select an image. When the image is selected , the file path is stored.	No	When the user uploads an image for a code, the system should enforce the image size defined in App_Type. IMAGE_RESIZE_CODE. For the selected image size code, the numeric value of the size is defined in App_Code.OPTION_1 and App_Code.OPTION_2 where App_Code.TYPE = 'APP' and App_Code.TYPE = 'IMAGE_RESIZE' and App_Code.CODE = IMAGE_RESIZE_CODE	App_Code.CODE where App_Code.SUBSYSTEM = 'APP' and App_Code.TYPE = 'IMAGE_RESIZE' and App_Code.ACTIVE_FLAG = 'Y' The Image group box should only be displayed for App_Code records where App_Code.TYPE in ('PRODUCT_CLASS','PRODUCT_CATEGOR Y','EVENT_FORMAT')
Clear	Comma nd that allows the user to remove the image from the App_Co de record.		When clicked, sets App_Code. IMAGE_FILE_PATH to null	

Product Central Screen > Product Category Page

As discussed in the previous section, Product Category icon images are added at the App_Code level as a convenient place to store each icon, but the system will evaluate each Product_Category record linked to a product to determine whether a product category image should be displayed.

Product Maintenance | Search Categories

Parent Product: A-INV2 Product Code: A-INV2 Product Name: A-INV2

Coded Search Categories


Add Delete

Category

- Books
- CDs

Category Details

Category: Books

Image:  Clear

Sub Category

Add Delete

Sub Category

Sub Category Details

Sub Category:

User Defined Search Keywords

Add Delete

Keyword

- test
- HI-90233

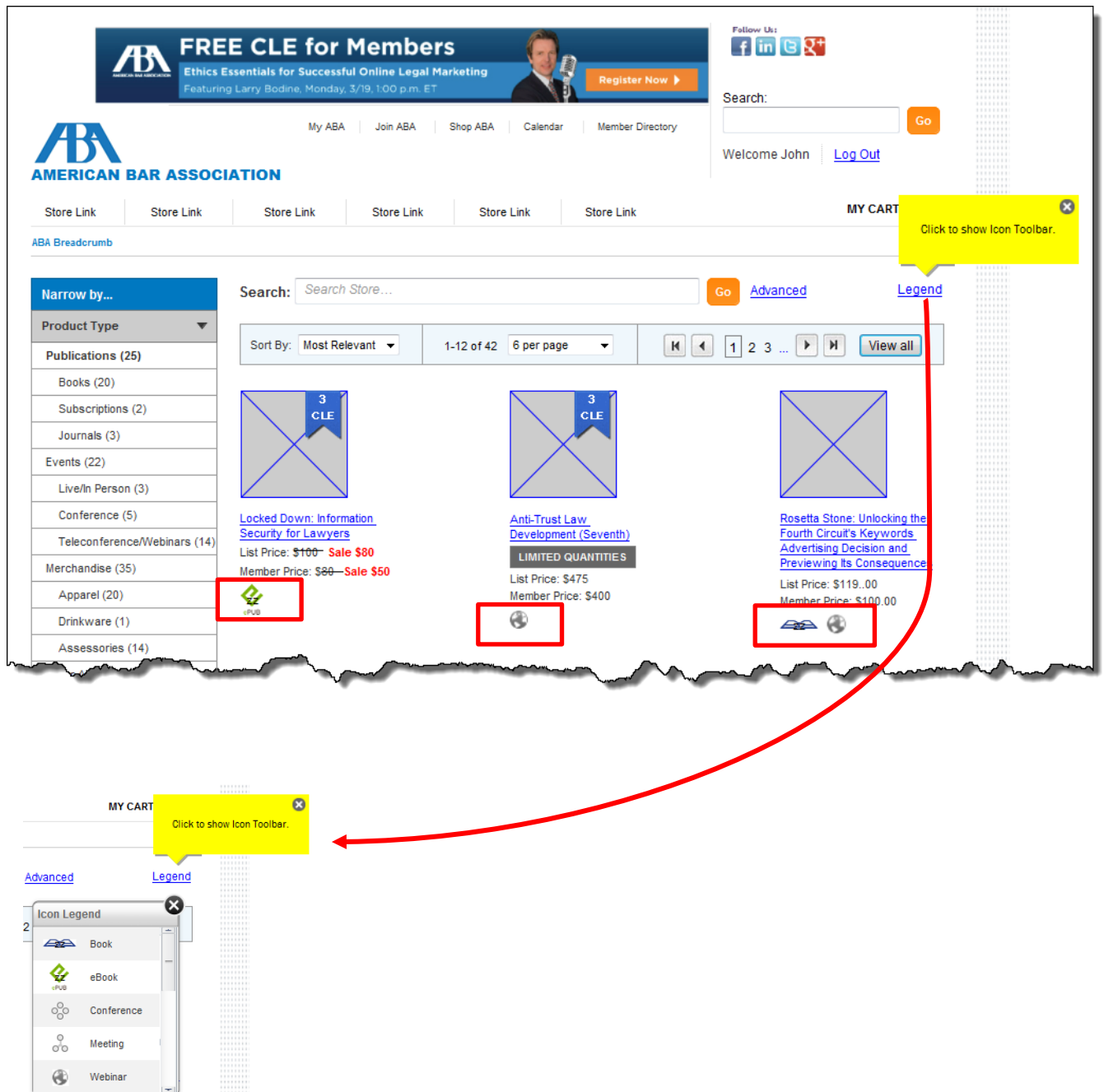
Keyword

Keyword: test

Screen Caption/ Table.FIELD Name	Description	Required ?	Business Logic	Validations/Defaults
Header				
Image Product_Category .IMAGE_FILE_PA TH (new field)	When clicked, copies the image from App_Code.IMAGE_FILE_PATH where App_Code.SUBSYSTEM = 'ORD' and App_Code.TYPE = 'PRODUCT_CATEGORY' and App_Code.CODE = Product_Category.	No	If an image is stored with the category code, it will be displayed on the product listing and product detail e-business pages.	App_Code.CODE where App_Code.SUBSYSTEM = 'APP' and App_Code.TYPE = 'IMAGE_RESIZE' and App_Code.ACTIVE_FLAG = 'Y'

Screen Caption/ Table.FIELD Name	Description	Required ?	Business Logic	Validations/Defaults
	CATEGORY. Note that the user cannot browse for a different image; the image stored at the App_Code level must be used. In this way, a legend can be generated on the product listing page.			
Clear	Command that allows the user to remove the image from the Product_Category record.		When clicked, sets Product_Category . IMAGE_FILE_PATH to null	

E-Business Product Listing Page



On the general product listing page, if an icon image has been selected for the product's product class code, that icon is displayed as the first icon on the left. If one or more icon images have been selected for any Product_Category.CATEGORY_CODE linked to the product, those are displayed to the right of the product class icon in order by App_Code.DISPLAY_ORDER. Product.CATEGORY. (App_Code.DISPLAY_ORDER where App_Code.CODE = Product_Category.CATEGORY and App_Code.SUBSYSTEM = 'ORD' and App_Code.TYPE = 'PRODUCT_CATEGORY'.)

If no icon image is defined for a category, no icon is displayed.

Legend:

A legend needs to be displayed that shows all icons used on the page; i.e., the legend needs to be a dynamic list that only shows the icons on the page. It should be sorted alphabetically by App_Code.DESCR.

Icons Images to be Delivered with Base

The system will be delivered with icons for the following

- Book (product class)
- Journal (product class)
- Newsletter (product class)
- Ebook (product class)
- Webinar (product class)
- Event (product class)
- Conference (product class)
- Download (category)
- Finance (category)
- Management (category)
- Technical (category)
- Tool (category)
- Medical (category)

Developers will need to deliver update/insert scripts. Also, developers should provide written instructions about where icon files are stored.

Hovering on Icon

A user should be able to hover on the icon and see a description (App_Code.DESCR for either product class code or product category code).

User Story 1.5 Additional Pre-Defined Filters for Product Listings Page

Requirement from MRD

Product listings need to be configurable so that the merchant can have a particular set of filters applied that the consumer would not be able to modify.

Business Process Scenario from MRD

- The organization should be able to configure product listing filters based on groupings such as product category, topical categories or other groupings.
- The user shouldn't be able to change the fundamental grouping that appears.
- This could be achieved via code; this does not need to be configurable.
 - For example, a product listing of automotive products could not be expanded to include boating products that would appear in a different area of the site. The merchant could choose to include them all however.

Exception Business Scenarios and Caveats from MRD

- This does not need to be a configurable parameter; the system just needs to allow for organizations to customize the controls in such a manner that this can be done through code. [Designer note: this will be implemented as configuration options on the Online Store control.]

Persona

This functionality will be used by the Site Administrator.

Functional Design

The Online Store control supports a number of configuration options which are accessible to system administrators. We will add 6 additional parameters to the online store product listing configuration screen (shown outlined by a red box in the wireframe below) to support administrators being able to specify the products that will appear on the product listing page as well as a parameter that will allow the administrator to specify how the products should be sorted on the page.

The fields to be implemented as additional product-listing filters are fields available for all products.

Note: because items on the configuration page are simply sorted alphabetically, the word “Filter” should be the first word in the title for all of the predefined filters, so that they will be sorted together.

The screenshot shows the DOTNETNUKE configuration interface. The top navigation bar includes 'Admin', 'Host', 'Tools', 'Help', 'Modules', 'Pages', and 'Users'. A blue 'Edit Page' button is in the top right. The main content area contains various configuration options:

- Additional CSS Class For Control:
- Error Message: [Not Set] [edit](#)
- Exclude Primary Member Group: [No]
- Filter : Category Code(s):
- Filter : Product Class Code(s):
- Filter : Product ID(s):
- Filter : Subsystem Code(s):
- Image Directory: [Not Set] [edit](#)
- Membership Join Url: [Not Set] [edit](#)
- Number of Columns:
- Product Detail Url: [Not Set] [edit](#)
- Product Meeting Url: [Not Set] [edit](#)
- Productid URL Parameter:
- Search Button Text:
- Search Redirect URL: [Not Set] [edit](#)
- Search Text Width:
- Search Title:
- Width:

At the bottom of the configuration area are buttons: 'Change Control', 'Save', 'Cancel', and 'Load Default'.

Note: for 7.5.0, New Release Months, Exclude Non-Master Products and Members Only will not be implemented.

Pre-Defined Filters for Product Listing Page		
Control Type and Caption	Field	Description
Text Box	Product.	To filter the list of products displayed on the page by product

Pre-Defined Filters for Product Listing Page		
Control Type and Caption	Field	Description
Filter: Product ID(s)	PRODUCT_ID	<p>(such as is currently available in DNN), the administrator should be able type one or more product IDs, separated by commas.</p> <p><u>Filter Logic:</u> Select products where Product.PRODUCT_ID in [parameter value(s)] where Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria</p> <p><u>Required?</u> No</p> <p><u>Example of Use:</u> A set of products that cannot be selected by any other common data can be selected by using the product ID of each product.</p> <p><u>Helptext:</u> Pending</p>
Text Box Filter: Subsystem Code(s)	Product. SUBSYSTEM	<p>To filter the list of products displayed on the page by subsystem, the administrator should be able type one or more subsystems, separated by commas.</p> <p><u>Filter Logic:</u> Select products to be displayed where Product.SUBSYSTEM in [parameter value(s)] and Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria</p> <p><u>Required?</u> No</p> <p><u>Example of Use:</u> DCD and INV products could be displayed on a specific page.</p> <p><u>Helptext:</u> Pending</p>
Text Box Filter: Product Class Code(s) to Exclude	Product. PRODUCT_CLASS_CODE	<p>To filter the list of products displayed on the page to exclude products by product class, the administrator should be able type one or more product class codes, separated by commas.</p> <p><u>Filter Logic:</u> Select products to be displayed where Product.SUBSYSTEM in [parameter value(s)] and Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site and Product.PRODUCT_CLASS_CODE not in (list of comma separated values) plus regular web product criteria</p> <p><u>Required?</u> No</p> <p><u>Example of Use:</u> Committee meetings can be excluded from being displayed on Product Listing page based on a PRODUCT_CLASS_CODE of "COMMITTEE".</p> <p><u>Helptext:</u> Pending</p>
Text Box Filter: Product Class Code(s) to Include	Product. PRODUCT_CLASS_CODE	<p>To filter the list of products displayed on the page by product class, the administrator should be able type one or more product class codes, separated by commas.</p> <p><u>Filter Logic:</u> Select products to be displayed where Product.SUBSYSTEM in [parameter value(s)] and Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site and Product.PRODUCT_CLASS_CODE in (list of comma-separated values) plus regular web product criteria</p>

Pre-Defined Filters for Product Listing Page		
Control Type and Caption	Field	Description
		<p><u>Required?</u> No</p> <p><u>Example of Use:</u> Webinar meeting products can be shown on a different page than Annual Conference meetings based on their product class.</p> <p><u>Helptext:</u> Pending</p>
Text Box Filter: Category Code(s)	Product_Category.CATEGORY_CODE	<p>To filter the list of products displayed on the page by category, the administrator should be able type one or more category codes, separated by commas.</p> <p><u>Filter Logic:</u> Product_Category.CATEGORY in [parameter value(s)] where Product_Category.PRODUCT_ID = Product.PRODUCT_ID and Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site Product.PRODUCT_ID where Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria.</p> <p><u>Example of Use:</u> A set MBR and MTG products with a category code of CAREER_STARTER can be listed together on a separate page.</p> <p><u>Helptext:</u> Pending</p>
Text Box New Release Months	Product.AVAILABLE_DATE	<p>Administrator can enter a number the number of months a product is considered "New". The number of months will be added to the Product.AVAILABLE_DATE</p> <p><u>Filter Logic:</u> Select products where Product.AVAILABLE_DATE + [parameter value number of months] <= current date and Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria</p> <p><u>Required?</u> No</p> <p><u>Example of Use:</u> Only show new products — e.g., products that have been made available for sale in the last 6 months — on a page dedicated to new products.</p> <p><u>Helptext:</u> Pending</p>
Combo Box Exclude Non-Master Products?	Product.MASTER_PRODUCT_FLAG	<p>Only master products can be added to a shopping cart, so the product listing control typically excludes non-master products. Subsystems that use non-master products have their own workflow that allows users to select non-master products after the master product has been purchased.</p> <p>With this filter, the Administrator can opt to create a product listing page that will include non-master products that can be used in a workflow.</p> <p><u>Filter Logic:</u> When set to Y, Exclude products where Product.MASTER_PRODUCT_FLAG = N where Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria</p> <p><u>Default:</u> Yes</p>

Pre-Defined Filters for Product Listing Page		
Control Type and Caption	Field	Description
		<p><u>Validation:</u> Yes, No, Null</p> <p><u>Example of Use:</u> The organization has a separate page for section memberships (which are always non-master products) that users can access after they go through the Join or Renew workflow.</p> <p><u>Helptext:</u> Pending</p>
<p>Combo Box</p> <p>Filter: Exclude Primary Member Group?</p>	<p>Mbr_Group. PRIMARY_FLAG</p>	<p>Administrator can exclude membership products belonging to the organization's primary member group from being displayed on the page.</p> <p><u>Filter Logic:</u> When set to Y, exclude products where Mbr_Group.PRIMARY_FLAG = Y where Mbr_Group.ORG_ID = ORG_ID of site and Mbr_Group.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria.</p> <p>When set to N or NULL, ignore this filter.</p> <p><u>Default:</u> Null</p> <p><u>Validation:</u> Yes, No, Null</p> <p><u>Required:</u> N</p> <p><u>Example of Use:</u> The organization has a separate page for memberships that takes users through a Join or Renew workflow.</p> <p><u>Helptext:</u> Pending</p>
<p>Combo Box</p> <p>Members Only?</p>	<p>Product.MEMBERS_ ONLY_FLAG</p>	<p>Administrator can limit products displayed on a page to member-only products.</p> <p><u>Filter Logic:</u> When set to Y or N, select products where Product.MEMBER_ONLY_FLAG = [parameter value] where Product.ORG_ID = ORG_ID of site and Product.ORG_UNIT_ID = ORG_UNIT_ID of site plus regular web product criteria</p> <p>When set to NULL, ignore this filter.</p> <p><u>Default:</u> Null</p> <p><u>Validation:</u> Yes, No, Null</p> <p><u>Required?:</u> No</p> <p><u>Example of Use:</u> A set of webinar meeting products that are only available for members can be defined to be listed on a separate page.</p> <p><u>Helptext:</u> Pending</p>

Help Text

Page Title

Developers, do we need a separate parameter for page title or can users manually set it? The page title needs to be correlated with the products that will appear in the product listing.

Left Menu Navigation

The left-menu navigation should only include items relevant to the products being displayed in the product listing.

User Story 1.6 Product Preview (General)

Requirement from MRD

Users want the ability to be able to mouse-over the product to see additional information without having to click on the details. [Designer note: this feature will be implemented as a pop-up modal screen.]

Business Process Scenario from MRD

- The system should allow for a mouse over detail box that would provide additional information about the product from a product listing.
- The specific details would be customized by each customer, however by default we should offer basic information such as the name, short web description, pricing and thumbnail images. [Designer note: this will not be configurable in the first release.]
- The pop-up should allow the user to click on the item to get the full product detail page.
- There should be a delay so the user is not confused by pop-ups from normal mouse navigation. [Designer note: the user will need to click the icon to have the preview screen open.]

○

Exception Business Scenarios and Caveats from MRD

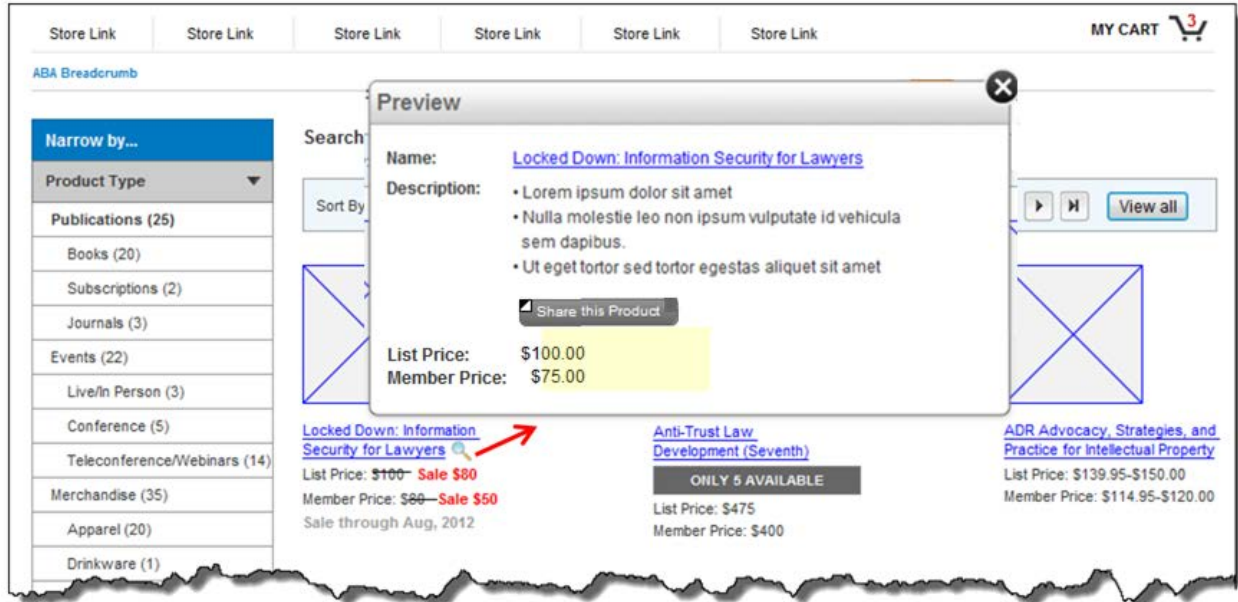
The pricing would only include the basic prices, not discounts for that particular user.

Persona

This affects the web user, whether logged on or anonymous.

Functional Design

For each product listed on a product listing page, an icon will be provided that, when clicked, pops a product preview screen, such as shown in the wireframe below.



All product previews will show the following information:

Caption	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item").
List Price: Member Price:	Use existing logic. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. If user is not logged on, displays List Price and Member Price.

User Story 1.6.1 Product Preview – CRT, DCD, INV, MISC Products



Item	Logic
Product Criteria:	Product.SUBSYSTEM in ('CRT','MISC')
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
List Price: Member Price:	Use existing logic. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Note: Ideally, if the product is an INV product that is only available for pre-order, "Available On:" + Inv_Product. PREORDER_AVAILABLE_DATE should be displayed at the bottom of the Product Preview.

User Story 1.6.2 Product Preview - FND Products

Preview

Name: [Locked Down: Information Security for Lawyers](#)

Description:

- Lorem ipsum dolor sit amet
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet

Share this Product

Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'FND'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
	Note that no information is displayed related to pricing.

User Story 1.6.3 Product Preview – MBR and SUB Products

Preview

Name: [Locked Down: Information Security for Lawyers](#)

Description:

- Lorem ipsum dolor sit amet
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet

Share this Product

Price;

\$100.00 (1 YR)
\$150.00 (2 YR)

Item	Logic
------	-------

Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'MBR' or 'SUB'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
If MBR display "Price:". If SUB, display List Price:	Pricing is displayed for each term (e.g., 1YR, 2YR): Display Product_Pricing.PRICE (Product_Pricing.RATE_CODE) where Product_Rate_Code.ACTIVE_FLAG = Y
Member Price:	Order by Product_Rate_Code.RATE_STRUCTURE, Product_Rate_Code.SORT_ORDER

User Story 1.6.4 Product Preview - PCK Products

Preview

Name: [Locked Down: Information Security for Lawyers](#)

Description:

- Lorem ipsum dolor sit amet
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet

Includes:

- CD1: Mark Robertson Q/A
- CD2: Small Firm Attorney Tools (Quantity: 2)
- CD3: Law Student Tools
- CD4: Retired Attorney Gude (Quantity: 2)
- Printed Course Materials
- Leather Binder

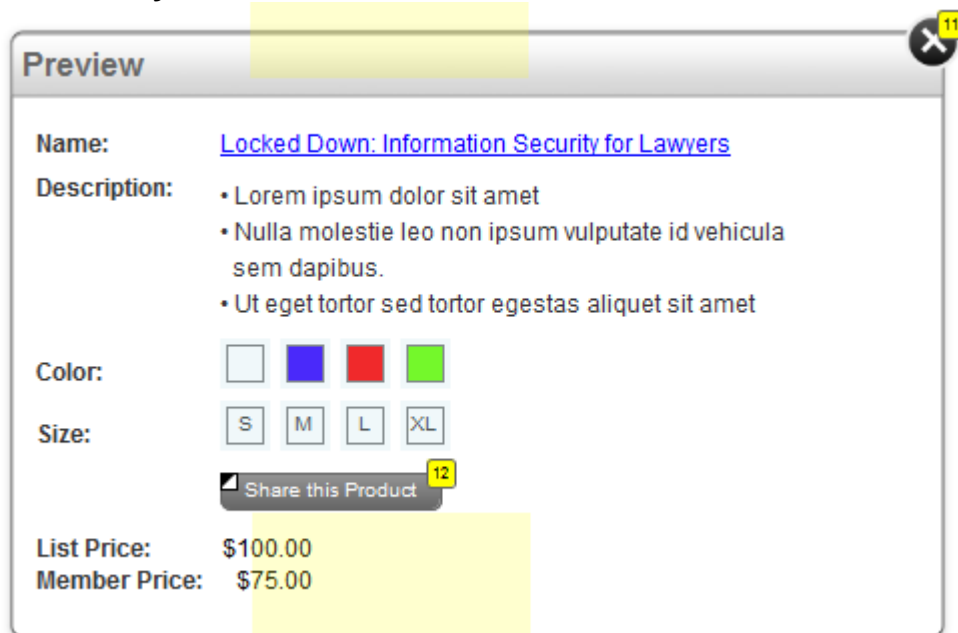
Share this Product

List Price: \$100.00
Member Price: \$75.00

Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'PCK' and Product. PACKAGE_SELECTION_TYPE_CODE = 'FIXED'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.

Item	Logic
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Includes:	Displays records linked to the package product in Product_Component. Product.SHORT_NAME + (Product_Component.COMPNONENT_QTY if Product_Component.COMPONENT_QTY > 1). Order by Product_Component.PRIORITY_SEQ
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
List Price:	See User Story 1.7.6 for the logic for how pricing for packages should be calculated.
Member Price:	The existing logic for select Your Price, Member Price and List Price should still be used.

User Story 1.6.5 Product Preview for Umbrella Products



Item	Logic
Product Criteria:	Product.SUBSYSTEM in ('INV','SUB','DCD') and Product.PRODUCT_TYPE_CODE = 'U'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'

Item	Logic
[Option 1 Name]: [Option 2 Name]: List Price: Member Price:	Product_Option.OPTION1_SUBCODE Product_Option.OPTION2_SUBCODE Use existing logic. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. If the product is an umbrella product, the pricing may need to be displayed as a range, if the products linked to the umbrella product have different pricing. Usually all of the products would have the same price, but it's possible that they won't. If the products have different pricing, then a range of prices should be displayed, showing the minimum price available for the rate structure for all products linked to the umbrella product, following by a dash and then the maximum price available for the rate structure for all products linked to the umbrella product.

User Story 1.7 Product Metadata (Product Listing)

Requirement from MRD

When products are comingled (multiple subsystems on a single page) certain fields, regardless of subsystem, should be displayed (i.e., image, title, price, learn more (call to action)).

Business Process Scenario from MRD

- Product listings should be developed so that items from different sub-systems will appear together in an intelligible manner.
- Standard fields shared by all sub-systems would be displayed clearly (title, prices, images, etc).
- Additional fields may be displayed that are product class specific (meeting dates, file formats, etc) and should generally appear in a similar location (column) of the display.
- **Note:** it is possible this has already been accounted for; it is noted as it was a requirement for ABA.

Exception Business Scenarios and Caveats from MRD

None

Functional Design

Standard Filters

Products should be selected for inclusion on the product listing page based on the following standard rules. If a subsystem has additional rules or exceptions to these rules, the exceptions are covered in the subsystem-specific user stories that follow this user story. The standard selection criteria for each Product Listing page are:

Product_Web_Control.ECOMMERCE_BEGIN_DATE is not null and is <= current date
 and (Product_Web_Control.ECOMMERCE_END_DATE is null or is >= current date)
 and Product.VALID_FLAG = Y
 and Product.MASTER_PRODUCT_FLAG = Y
 and Product.AVAILABLE_TO_ORDERS_FLAG = Y

Products contained in umbrella products (i.e., products that exist in Product_Option) are not listed individually on the product listing page; only the umbrella product is listed.

Note that we are not using Product.AVAILABLE_DATE, Product.EXPIRATION_DATE or Product.PRODUCT_STATUS_CODE as part of the product listing criteria, because organizations may want to still show products on product listing pages that are expired or are available in the future. Therefore, ECOMMERCE_BEGIN_DATE and ECOMMERCE_END_DATE will determine whether the product appears on the page

~~Also, we are not using Product.MASTER_PRODUCT_FLAG = Y. Rather, we are providing a pre-defined filter so that organizations can define for each page whether non-master products should be displayed on the product listing page. Because we had to cut scope, the implementation of a predefined filter to control whether non-master products are included in the product listing is not being implemented in 7.5.0.~~

In addition, the system needs to respect criteria entered as part of the pre-defined filters of the Product Listing page. See User Story 1.5

~~Note that, if a product has a locked currency that is different than the user's preferred currency, the system currently does not include the product on the product listing page. This should be changed so that the product is included. The locked currency information will be displayed in the "Buy Box" section on the Product Detail page (i.e., remove this criteria: Product.CURRENCY_LOCK_CODE <-> Customer.CURRENCY_CODE). Because we had to cut scope, the inclusion of products with locked currencies where the locked currency is different than the customer's preferred currency is not being implemented in 7.5.0.~~

If a user enters search criteria to reach the Product Listing page, then products are sorted in order by "Relevance" to the search criteria. If the user does not enter search criteria, then products should be sorted by:

- Product.SUBSYSTEM
- Product.SHORT_NAME

If the product listings are being sorted by star rating, then within each star rating, products should also be sorted by subsystem and short name.

Logic for Displaying Rates

The rates that are displayed vary based on whether the user is logged in or not. For users who are not logged in, the system will show the LIST (where Rate_Structure.DEFAULT_STRUCTURE_FLAG = Y) rate and the Member Rate (where Rate_Structure.Product_Rate_Code.MEMBER_PRICE_FLAG = Y) and Product_Rate_Code.ECOMMERCE_FLAG = Y and Product_Rate_Code.ACTIVE_FLAG = Y.

Only MBR and SUB products allow the user to select a product rate code; for all other products, the default rate code is displayed; i.e., where Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = 'Y'.

Member-Only Products

If a customer is logged on and is not a member, the customer will still be allowed to add member-only products to their shopping cart. If the customer does not go through the member join process, before they check-out, they will get a message informing them that they are not eligible to purchase the product.

Images and Icons

On the product listing page, each product includes images. If the product is defined to convey continuing education units, the image has a small ribbon icon that shows the number of CE credits. The logic for

displaying the continuing education credit units is contained in the ebusiness Meetings functional design and is described below:

Logic for Selecting and Displaying CE Credits

To optimize performance, we want to keep the logic for selecting and displaying CE credits simple, so online store and product detail pages will simply select from Product_Education_CE. If organizations link transcript programs to a meeting, and if the CE credits has been defined for the transcript program, users will need to manually add the CE credits to the meeting as well. In a future release, we will fix Personify so that, when a transcript program is added to a meeting, if there are CE credits defined for the transcript program, the system will copy records from Trn_Program_CE and insert them into Product_Education_CE.

Only one CE credit type and amount will be displayed in the online store product listing image and on the product image on product detail pages. The CE credit type to be displayed will be selected based on App_Code.DISPLAY_ORDER for the CE credit type with the lowest display order. If more than one CE credit type exists with the lowest display order, then the CE credit type will be selected based on alphabetic sort in ascending order.

Note that a CE credit can have up to decimal places.

```
Select Top 1 App_Code.CODE + " " + Product_Education.CE_CREDITS
From App_Code,
      Product_Education
Where App_Code.TYPE = 'CE_CREDIT_TYPE'
And App_Code.SUBSYSTEM = 'TRN'
And App_Code.ACTIVE_FLAG = 'Y'
And App_Code.AVAILABLE_TO_WEB_FLAG = 'Y'
And App_Code.CODE = Product_Education_CE.CE_CREDIT_TYPE_CODE
Order by App_Code.DISPLAY_ORDER, App_Code.CODE
```

If an icon has been defined for the product class and/or for any product category records defined for the product, those are displayed under product alerts. If no product alerts are displayed on the product, then the icons are displayed under the pricing information. See User Story 1.4.

Product Alerts

Some products may qualify for more than one product alertproduct alert. In that case, the product alerts should be stacked in order of the priority defined in the chart below:

Subsystem	Priority	Product alert	Product Qualification Logic
All	1	New	If Product.AVAILABLE_DATE > current date minus number of months defined for "New Release Months" configuration parameter (see user story 1.5). If no value entered for "New Release Months", the "New" badge is not displayed. Because we had to cut scope, the "New" product alert is not being implemented in 7.5.0.
All	2	Member-Only	If Product.MEMBER_ONLY_FLAG = Y
All	N/A	Sold Out	Not being implemented
INV	3	Discontinued	Product.SUBSYSTEM = 'INV' and Product.PRODUCT_STATUS_CODE

Subsystem	Priority	Product alert	Product Qualification Logic
			= 'D'
INV	4	Pre-Order Available	
INV	5	Only XX Available Out of Stock Backorder Available (a product would only ever qualify for one of the above)	See logic after this chart for "Inv Product Alerts"
MTG	3	Cancelled Only XX Seats Available Meeting Full Available for Waitlist Available Soon (a product would only ever qualify for one of the above)	See User Story 1.7.4 for logic
All except INV and MTG	4	No Longer Available	Where Product.SUBSYSTEM not in ('INV','MTG') and Product.PRODUCT_STATUS_CODE in ('C','D').

INV Product Alerts

Product alert	Logic
Pre-Order Available	If the product is out of stock (Inv_Product_Detail.AVAILABLE_QTY (sum) = 0 for the product) and if Inv_Product.ALLOW_BACKORDERS_FLAG = 'Y' and Product.PREORDER_AVAILABLE_DATE > Product.AVAILABLE_DATE and Product.PREORDER_AVAILABLE_DATE > current date, the product will show the "Pre-Order Available" product alert in the product listing.
Backorder Available	If the product is out of stock and if backorders are allowed (Inv_Product_Detail.AVAILABLE_QTY (sum) = 0 for the product and Inv_Product.ALLOW_BACKORDERS_FLAG = Y), the product will show the "Backorder Available" product alert. Note that this product alert should be displayed, not "Out of Stock" product alert if the product allows backorders.. Also, if a product qualifies for pre-order, only the pre-order product alert will be displayed, not this one.
Discontinued	If there is currently inventory available (Inv_Product_Detail.AVAILABLE_QTY (sum) > 0 for the product) and the Product.PRODUCT_STATUS_CODE = D, the product will show the "Discontinued" product alert.
Only X Available	If Inv_Product_Detail.AVAILABLE_QTY (sum) for the product <= Inv_Product.LIMITED_QTY_THRESHOLD, the "Only X Available" product alert will display, where X = Inv_Product_Detail.AVAILABLE_QTY for the product (sum)
Out of Stock	If the product is out of stock and if backorders are not allowed (Inv_Product_Detail.AVAILABLE_QTY = 0 for the product and Inv_Product.ALLOW_BACKORDERS_FLAG = N), the product will show the "Out of Stock" product alert. Note that this product alert would not be displayed if Backorder Available product alert is displayed. This product alert is also displayed if the INV product status is 'D' (discontinued), regardless whether the product allows backorders.

Scenarios for Inventory Product Alerts

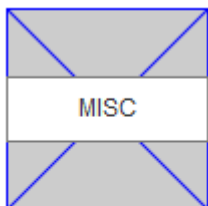
Scenario	Member Only	Discontinued	Pre-Order Available	Only XX Available	Backorder Available	Out of Stock
INV product has a status of active and has available quantity above the "Limited Quantity Threshold"						
INV product has a status of active and is a member only product and has available quantity above the "Limited Quantity Threshold"	X					
INV product has a status of active and has available quantity that is less than or equal to the "Limited Quantity Threshold"				X		
INV product has a status of active and is a member only product and has available quantity that is less than or equal to the "Limited Quantity Threshold"	X			X		
INV product has a status of active and has no available quantity and "Allow Backorders" = Y					X	
INV product has a status of active and is a member only product and has no available quantity and "Allow Backorders" = Y	X				X	
INV product has a status of active and has no available quantity and "Allow Backorders" = N and "Inventoried Product" = Y						X
INV product has a status of active and is a member only product and has no available quantity and "Allow Backorders" = N and "Inventoried Product" = Y	X					X
INV product has a status of active and "Inventoried Product" = N and "Allow Backorders" = N						
INV product has a status of active and is a member only product and and "Inventoried Product" = N and "Allow Backorders" = N	X					
INV product has a status of discontinued but has		X				

Scenario	Member Only	Discontinued	Pre-Order Available	Only XX Available	Backorder Available	Out of Stock
available quantity above the "Limited Quantity Threshold"						
INV product has a status of discontinued and is a member only product but has available quantity above the "Limited Quantity Threshold"	X	X				
INV product has a status of discontinued but has available quantity but the available quantity is less than or equal to the "Limited Quantity Threshold"		X		X		
INV product has a status of discontinued and is a member only product and has available quantity but the available quantity is less than or equal to the "Limited Quantity Threshold"	X	X		X		
INV product is discontinued and no quantity remains in inventory, regardless of value of "Allow Backorders"		X				X
INV product is discontinued, and is a member-only product, and no quantity remains in inventory, regardless of value of "Allow Backorders"	X	X				X

Subsystem-Specific Details

Each subsystem is detailed separately in user stories 1.7.1 through 1.7.8.

User Story 1.7.1 Product Listing Metadata - CRT, DCD, INV, MISC and UMB Products



Section Law Rules

List Price: \$80

Member Price: \$60

Related User Stories

User Story 1.7 contains information about generic selection criteria for products to be included in the online store product listing page. It also contains information about logic for the “Member Only” product alert and for product alerts specifically for INV products.

User Story 2.1 contains the functional design for implementing the “Limited Quantity” threshold definition for INV products.

Functional Design

Selection Criteria for Products

There are no exceptions to the standard selection criteria detailed in user story 1.7 for CRT, DCD, MISC and UMB products. These products are products where Product.SUBSYSTEM in ('CRT','DCD','MISC','PCK') or Product.PRODUCT_TYPE_CODE = 'U' or (Product.SUBSYSTEM = 'INV' and Inv_Product.INVENTORIED_FLAG = 'N').

If the INV product is inventoried but is out of stock (i.e., Product.SUBSYSTEM = 'INV' and Inv_Product.INVENTORIED_FLAG = 'Y' and sum of Inv_Product_Detail.AVAILABLE_QTY = 0 where Inv_Product_Detail.PRODUCT_ID = Product.PRODUCT_ID of product), the INV product is selected for inclusion in the online store only if Inv_Product.ALLOW_BACKORDERS_FLAG = 'Y' and Inv_Product.WEB_DISPLAY_OUT_OF_STOCK_FLAG = 'Y'. See user story 2.1 – Display of Inventory Products.

Note about umbrella products: Only the umbrella product itself should be displayed on the product listing page, not the products contained in the umbrella product. For example, if an organization is selling a tee-shirt that comes in 3 colors and 3 sizes, only the tee-shirt umbrella product would be displayed in the product listing, not the 9 other INV tee-shirt products for the three different colors and three sizes.

Product Listing Detail

Generic products listed on the online store are displayed on the Product Listing page with the following information:

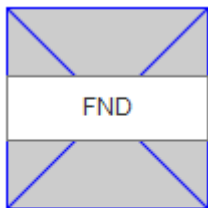
Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
List Price: Member Price:	Use existing logic. List Price and Member Price are displayed, along with Strikethrough Pricing if exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in 7.5.0. If the product is an umbrella product, the pricing may need to be displayed as a range, if the products linked to the umbrella product have different pricing. Usually all of the products would have the same price, but it's possible that they won't. If the products have different pricing, then a range of prices should be displayed, showing the minimum price available for the rate structure for all products linked to the umbrella product, following by a dash and then the maximum price available for the rate structure for all products linked to the umbrella product.

Item	Logic
	If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Product Alerts

Product alert	Logic
New	In the Product Listing Online Store configuration, if the user has entered a value for "New Release Months", the "New" badge is displayed if Product.AVAILABLE_DATE + the number of months defined for "New Release Months" is less than the current date. Because we needed to cut scope, New product alert is not being implemented.
Member Only	If Product.MEMBERS_ONLY_FLAG = Y, the "Members Only" product alert is displayed.

User Story 1.7.2 Product Listing Metadata - FND Products



[Fund for Justice in Education](#)

Functional Design

Selection Criteria for FND Products

There are no exceptions for FND product to the standard selection criteria detailed in user story 1.7. FND products are products where Product.SUBSYSTEM = 'FND'.

Product Listing Detail

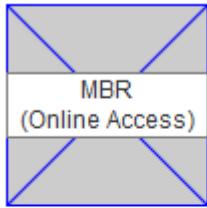
Meeting products are displayed on the Product Listing page with the following information:

Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.

Product Alerts

No product alerts should be displayed for FND products.

User Story 1.7.3 Product Listing Metadata- MBR Products



[Online Medical Journals](#)

Price: \$100.00 (1 YR)
\$150.00 (2 YR)

NEW

MEMBER ONLY

Functional Design

Selection Criteria for Membership Products

There are no exceptions for MBR products to the standard selection criteria detailed in user story 1.7. MBR products are products where Product.SUBSYSTEM = 'MBR'.

Product Listing Detail

"Online Access" Memberships are displayed on the Product Listing page with the following information:

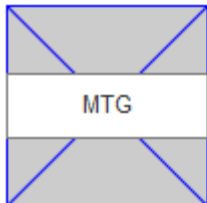
Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the Join Workflow.
Price:	<p>LIST and MEMBER pricing is displayed, but on the Product Listing page, pricing is only displayed for the default term DisplayProduct_Pricing.PRICE + "(" + Product_Pricing.RATE_CODE + ")" where Product_Rate_Code.ACTIVE_FLAG = Y and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = Y Order by Product_Rate_Code.SORT_ORDER</p> <p>Also list strikethrough pricing, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in 7.5.0.</p>

Product Alerts

Product Alert	Logic
New	In the Product Listing Online Store configuration, if the user has entered a value for "New Release Months", the "New" badge is displayed if Product.AVAILABLE_DATE + the number of months defined for "New Release Months" is less than the current date. Because we needed to cut scope, the "New" product alert is not being implemented.
Member Only	Some customers will use membership products to sell access to member-only web content. So while it may seem odd to show a "Member Only" product alert on a membership product, it's legitimate for Online Access products.

Product Alert	Logic
	If Product.MEMBERS_ONLY_FLAG = Y, the “Members Only” product alert is displayed.

User Story 1.7.4 Product Listing Metadata - MTG Products



[2012 Annual Conference](#)

Date: Wednesday, May 3 2012

Location: Washington, DC

ONLY 5 SEATS AVAILABLE

WAITLIST AVAILABLE

List Price: ~~\$100~~ Sale \$80

Member Price: ~~\$80~~ Sale \$50



Functional Design

Selection Criteria for Meeting Products

In addition to the standard selection criteria detailed in user story 1.7, if the product is a MTG product that is out of registration and waitlist capacity, if the product is defined to not display out-of-waitlist meetings (`Mtg_Product.WEB_DISPLAY_OUT_OF_WAITLIST_FLAG = N`), then the product should not be selected for display in the Product Listing page. See User Story 2.1.2 for more information about implementing the new `Mtg_Product.WEB_DISPLAY_OUT_OF_WAITLIST_FLAG`. Because we had to cut scope, the new flag to control whether out-of-waitlist meetings are included in the Online Store is not being implemented in 7.5.0.

Otherwise, there are no exceptions for MTG products to the standard selection criteria detailed in user story 1.7. Meeting products are products where `Product.SUBSYSTEM = 'MTG'`.

We also need to implement the ability to define a threshold for meeting products that will identify when a “Limited Seats Available” message will display.

Last, only master products should be displayed (`Product.MASTER_PRODUCT_FLAG = 'Y'`). Also, the meeting start and end dates are not relevant to whether the meeting is included in the online store. If the organization wants to continue to show past meetings, they control that with the `Product_Web_Control` begin/end dates.

Product Listing Detail

Note that this is probably also in Susannah’s Meetings e-Business functional design, so developers need to coordinate so that the work isn’t done twice. Meeting products are displayed on the Product Listing page with the following information:

Item	Logic
<p>Name:</p> <p>Date:</p> <p>Time:</p> <p>Location:</p> <p>List Price:</p> <p>Member Price:</p>	<p>Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.</p> <p>Mtg_Product.START_DATE (date only)</p> <p>Mtg_Product.START_DATE (time only)</p> <p>Logic documented by Susannah and Theresa in the Meetings product listing functional design</p> <p>Use existing logic.</p> <p>List Price and Member Price are displayed, along with Strikethrough Pricing if exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in 7.5.0.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.</p>
<p>Product Alerts</p>	<p>Meeting products can display the following product alerts:</p> <ul style="list-style-type: none"> • Member Only – see User Story 1.7 for details • Cancelled • Only XX Seats Available • Meeting Full • Available for Waitlist • Available Soon <p>See the section below entitled “Meeting Specific Product Alerts” for logic</p>

Organizational Unit Maintenance | Meeting Parameters

Organization: NASE
 Org Unit: National Association for Software Engineers

Meeting Capacity Control
 Commit Meeting Inventory for Proforma Orders

e-Business Defaults
 ~~Default Display Out-of-waitlist Meetings~~
 Default Limited Seating Threshold:

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
e-Business Default Group Box				
Default Display Out of Waitlist Meetings App_Org_Unit. DEFAULT_MTG_ WEB_DISPLAY_OUT_OF_ WAITLIST_FLAG (new field)	Identifies the default behavior related to displaying out of waitlist MTG product on the product listing page.	Y	When a new MTG product is created, the value defined here defaults into Mtg_Product. WEB_DISPLAY_OUT_OF_WAITLIST_FLAG, where it can be changed.	Default to Y Valid values are Y or N User is allowed to edit, but changes only affect new MTG products. Because we had to cut scope, the flag to control whether meetings that have no capacity and no waitlist availability are included in the online store is not being implemented in 7.5.0.
Default Limited Seats Threshold App_Org_Unit. DEFAULT_MTG_LIMITED_SEATS_THRESHOLD	Identifies the default available-seating level at which customers will start seeing a "Limited Seats Available" message on the web	Y	When a new MTG product of product type M, S, COURSE or EXAMPROCT is created, the value defined here defaults into Mtg_Product. LIMITED_SEATS_THRESHOLD, where it can be changed.	Default to 0 User is allowed to edit, but changes only affect new products.

Product Maintenance | eBusiness Control

Parent Product: A-MTG1 Product Code: A-MTG1 Product Name: A-MTG1

eBusiness Control Setup Summary

Add eBusiness Control

Display Settings

<input type="checkbox"/> Display on Web	Web Display Dates:	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Add to Cart	Product URL:	<input type="text"/>	
<input type="checkbox"/> Allow Bill-Me	Web Shipping Message:	<input type="text"/>	
Limited Seats Threshold:		<input type="text"/>	

Promotional Settings

<input type="checkbox"/> Featured Product	Featured Product Dates:	<input type="text"/>	<input type="text"/>	Sort order:	<input type="text"/>
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Brief Description Text:

Long Description Text:

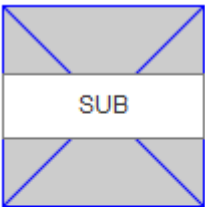
Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Display Settings				
Limited Seats Threshold: Mtg_Product.LIMITED_SEATS_THRESHOLD	Identifies the available-capacity level at which web users will see the "Limited Seats Available" product alert	No	When the product is created, this field is set to App_Org_Unit.DEFAULT_MTG_LIMITED_SEATS_THRESHOLD	Only visible for MTG products

Meeting-Specific Product Alerts

Product Alert	Logic
Waitlist Available	If meeting capacity has been sold out (if Mtg_Product.CAPACITY minus Mtg_Product.REGISTRATIONS = 0), if waitlist is allowed (Mtg_Product.WAIT_LIST_CAPACITY > 0), and if there is available wait-list

Product Alert	Logic
	capacity (if Mtg_Product. WAIT_LIST_CAPACITY minus Mtg_Product.WAIT_LIST_REGISTRATIONS > 0), the product will show the "Waitlist Available" product alert.
Only X Seats Available	If meeting capacity for the product (Mtg_Product.CAPACITY minus Mtg_Product.REGISTRATIONS) <= Mtg_Product.LIMITED_SEATS_THRESHOLD, the "Only X Seats Available" product alert will display, where X = Mtg_Product.CAPACITY minus Mtg_Product.REGISTRATIONS
Meeting Full	If meeting capacity has been sold out (if Mtg_Product.CAPACITY minus Mtg_Product.REGISTRATIONS = 0), and if waitlist capacity has also been sold out (Mtg_Product. WAIT_LIST_CAPACITY minus Mtg_Product.WAIT_LIST_REGISTRATIONS = 0), the product will show the "Meeting Full" product alert
Available Soon	Product.SUBSYSTEM = 'MTG' and Product.PRODUCT_STATUS_CODE = 'A' and Product.AVAILABLE_DATE > current date
Cancelled	If Product.PRODUCT_STATUS_CODE = 'C', the product will show the "Cancelled" product alert.

User Story 1.7.5 Product Listing Metadata - SUB Products



[Law Journal](#)

Frequency: 4x / YR

Format: Print

List Price: \$139.95

Member Price: \$114.95

Functional Design

Selection Criteria for Inventory Products

There are no exceptions for SUB products to the standard selection criteria detailed in user story 1.7. SUB products are products where Product.SUBSYSTEM = 'SUB'.

Product Listing Detail

Subscription products are displayed on the Product Listing page with the following information:

Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Frequency:	App_Code.DESCR where App_Code.SUBSYSTEM = 'SUB' and App_Code.TYPE = 'FREQUENCY' and App_Code.CODE = Sub_Product.FREQUENCY_CODE and Sub_Product.PRODUCT_ID = Product.PRODUCT_ID of subscription product being displayed. (See the section entitled "Supporting Display of Subscription Frequency Information" in User Story 2.2.5 for more information about storing subscription

Item	Logic
	frequency information.)
	If Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Print/Digital' else if Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'N' and then 'Print' else if Sub_Product.PRINT_EDITION_FLAG = 'N' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Digital'
Format:	Pricing is displayed for each term (e.g., 1YR, 2YR): Display Product_Pricing.PRICE + "(" + Product_Pricing.RATE_CODE + ")" where (Rate_Structure.DEFAULT_STRUCTURE_FLAG = Y (List Price) or Rate_Structure.MEMBER_PRICE_FLAG = Y (Member Price)) and Product_Rate_Code.ACTIVE_FLAG = Y and Product_Rate_Code.ECOMMERCE_FLAG = Y Order by Product_Rate_Code.SORT_ORDER
List Price: Member Price:	LIST and MEMBER pricing is displayed, but on the Product Listing page, pricing is only displayed for the default term Display Product_Pricing.PRICE + "(" + Product_Pricing.RATE_CODE + ")" where Product_Rate_Code.ACTIVE_FLAG = Y and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = Y Order by Product_Rate_Code.SORT_ORDER There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in 7.5.0.
	If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Product Alerts

Product alert	Logic
New	In the Product Listing Online Store configuration, if the user has entered a value for "New Release Months", the "New" badge is displayed if Product.AVAILABLE_DATE + the number of months defined for "New Release Months" is less than the current date. Because we needed to cut scope, the "New" product alert is not being implemented in 7.5.0.
Member Only	If Product.MEMBERS_ONLY_FLAG = Y, the "Members Only" product alert is displayed.

System Types and Codes

A new App_Type record needs to be created for the new "Frequency" code:

App_Type Field	Value to be Set
SUBSYSTEM	SUB
TYPE	FREQUENCY
DESCR	Publication Frequency
SYSTEM_FLAG	Y

App_Type Field	Value to be Set
FIXED_CODES_FLAG	N
CODE_LENGTH	24
SCREEN_RESTRICTION	NULL
PRIMARY_CODE	MONTHLY
ACTIVE_FLAG	Y
STATUS_CHANGE_DATE	System date
OPTION_1	NULL
OPTION_2	NULL
OPTION_3	NULL
CODE_OPTION_1_REQD_FLAG	N
CODE_OPTION_2_REQD_FLAG	N
CODE_OPTION_3_REQD_FLAG	N
CODE_OPTION_1_CAPTION	NULL
CODE_OPTION_2_CAPTION	NULL
CODE_OPTION_3_CAPTION	NULL
ADDOPER	Standard system field
ADDDATE	Standard system field
MODOPER	NULL
MODDATE	NULL
CONCURRENCY_ID	0
OPTION_4	NULL
CODE_OPTION_4_REQD_FLAG	N
CODE_OPTION_4_CAPTION	NULL
OPTION_5	NULL
OPTION_6	NULL
CODE_OPTION_5_REQD_FLAG	N
CODE_OPTION_6_REQD_FLAG	N
CODE_OPTION_5_CAPTION	NULL
CODE_OPTION_6_CAPTION	NULL

Create the following App_Code records:

App_Code Field	Record 1	Record 2	Record 3
SUBSYSTEM	SUB	SUB	SUB
TYPE	FREQUENCY	FREQUENCY	FREQUENCY
CODE	DAILY	MONTHLY	QUARTERLY
DESCR	Daily	Monthly	Quarterly
SYSTEM_FLAG	Y	Y	Y
DISPLAY_ORDER	0	0	0
SCREEN_RESTRICTION	NULL	NULL	NULL
PRIMARY_SUBCODE	MONTHLY	MONTHLY	MONTHLY
ACTIVE_FLAG	Y	Y	Y
STATUS_CHANGE_DATE	System date	System date	System date
AUTO_POPULATE_FLAG	N	N	N
AVAILABLE_TO_WEB_FLAG	Y	Y	Y
OPTION_1	NULL	NULL	NULL
OPTION_2	NULL	NULL	NULL
OPTION_3	NULL	NULL	NULL
SUBCODE_OPTION_1_REQD_FLAG	N	N	N
SUBCODE_OPTION_2_REQD_FLAG	N	N	N
SUBCODE_OPTION_3_REQD_FLAG	N	N	N
SUBCODE_OPTION_1_CAPTION	NULL	NULL	NULL
SUBCODE_OPTION_2_CAPTION	NULL	NULL	NULL
SUBCODE_OPTION_3_CAPTION	NULL	NULL	NULL
ADDOPER	Standard system field	Standard system field	Standard system field
ADDDATE	Standard system field	Standard system field	Standard system field
MODOPER	NULL	NULL	NULL
MODDATE	NULL	NULL	NULL
CONCURRENCY_ID	Standard system field	Standard system field	Standard system field
OPTION_4	NULL	NULL	NULL
PUBLIC_CODE_FLAG	Y	Y	Y
OPTION_5	NULL	NULL	NULL
OPTION_6	NULL	NULL	NULL
CODE_OPTION_5_REQD_FLAG	N	N	N
CODE_OPTION_6_REQD_FLAG	N	N	N
CODE_OPTION_5_CAPTION	NULL	NULL	NULL

App_Code Field	Record 1	Record 2	Record 3
CODE_OPTION_6_CAPTION	NULL	NULL	NULL
ACCESSPOINT_CODE	NULL	NULL	NULL
USER_INSTRUCTION	NULL	NULL	NULL
HELP_TEXT	NULL	NULL	NULL

ProductCentral Screen > Subscription Product Page

The Frequency field needs to be added to the ProductCentral screen

The screenshot shows the 'Product Maintenance | General Setup' interface. At the top, it displays 'Parent Product: REVIEW', 'Product Code: REVIEW', and 'Product Name: REVIEW, Individual Magazine'. Below this is the 'General Product Setup' section with fields for 'Subsystem: Subscription', 'Product Code: REVIEW', and 'Parent Product: REVIEW'. To the right is an 'Options' section with checkboxes for 'Master Product', 'Returnable', 'Allow Price Update', 'Available to Order', 'Members Only', 'Renewable', 'Zero Price', 'One Price Only', and 'Has Assigned Sales Rep'. The 'Product Name' and 'Invoice Description' fields are highlighted in yellow. Below these are 'Product Type: Individual Product', 'Product Class: Magazine', 'Product Status: Active', 'Currency Code', 'Status Date: 2/15/2006', 'Available from: 6/1/2004', and 'Available thru'. The 'Subscription Products' section includes 'Fulfill Type: Issue Based', 'Renew Window: 3 Month(s)', 'Start Issue Code: Next Issue Mailed', 'Default Grace Issues: 2', 'Ship Country: United States', 'Ship Location', and checkboxes for 'Can Change Start Date', 'Print Edition', 'Can Change End Date', 'Digital Edition', 'Update Transcript Service', and 'Provide Opt-Out of Digital Email Alert'. The 'ICN Code' and 'Frequency' dropdown menus are at the bottom, with the 'Frequency' dropdown highlighted by a red box.

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Display Settings				
Frequency:	Identifies how often the	No	Defaults to App_Type.PRIMARY_CODE	App_Code.CODE where App_Code.SUBSYSTEM =

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Sub_Product. FREQUENCY_CODE	publication is published; defaults in the base application to MONTHLY		where App_Type.SUBSYSTEM = SUB and App_Type.TYPE = FREQUENCY	SUB and App_Code.TYPE = FREQUENCY

User Story 1.7.6 Product Listing Metadata – PCK Products



Section Law Rules

List Price: \$80

Member Price: \$60

Functional Design

Selection Criteria for Products

There are no exceptions to the standard selection criteria detailed in user story 1.7 for PCK products, except that, in addition to standard product selection logic, the only package products available in ebusiness are those where Product.SUBSYSTEM = 'PCK' and Product.PACKAGE_SELECTION_TYPE_CODE = 'FIXED'.

Note that, when a product is created in the back-office application, the system defaults the subsystem to PCK but users can change that.

Product Listing Detail

Package products listed in the online store are displayed on the Product Listing page with the following information:

Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
List Price: Member Price:	Use existing logic. List Price and Member Price are displayed, along with Strikethrough Pricing if exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in 7.5.0. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Item	Logic
	When a product is added to a package, the setup allows for a specific Rate Structure or Rate Structure and Rate code to be defined, so the logic for calculating package pricing needs to select pricing for the Rate Structure and Rate Code defined for the package, if that is how the package has been defined. See the logic listed below for how package pricing is calculated. The existing logic for select Your Price, Member Price and List Price should still be used.

Calculating Package Pricing

- o List Price

If Product_Component.RATE_STRUCTURE is null

```
select Product_Pricing.PRICE times [Package Product]Product.PACKAGE_DISCOUNT_PCT
where [Package Product]Product.PRODUCT_ID = Product_Component.PRODUCT_ID
and [Package Component Product]Product_Component.COMPONENT_PRODUCT_ID =
Product.PRODUCT_ID
and Product_Component.ACTIVE_FLAG = 'Y'
and [Package Component Product]Product.ORG_ID = Rate_Structure.ORG_ID
and [Package Component Product]Product.ORG_UNIT_ID = Rate_Structure.ORG_UNIT_ID
and [Package Component Product]Product.PRODUCT_ID = Product_Rate_Code.PRODUCT_ID
and Product_Rate_Code.RATE_STRUCTURE = Rate_Structure.RATE_STRUCTURE
and [Package Component Product]Product.PRODUCT_ID = Product_Pricing.PRODUCT_ID
and Product_Pricing.RATE_STRUCTURE = Rate_Structure.RATE_STRUCTURE
and Rate_Structure.DEFAULT_STRUCTURE_FLAG = 'Y'
and Product_Rate_Code.ACTIVE_FLAG = 'Y'
and Product_Rate_Code.ECOMMERCE_FLAG = 'Y'
and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = 'Y'
```

else

If Product_Component.RATE_STRUCTURE is not null and Product_Component.RATE_CODE is not null

```
select Product_Pricing.PRICE times [Package Product]Product.PACKAGE_DISCOUNT_PCT
where [Package Product]Product.PRODUCT_ID = Product_Component.PRODUCT_ID
and [Package Component Product]Product_Component.COMPONENT_PRODUCT_ID =
Product.PRODUCT_ID
and Product_Component.ACTIVE_FLAG = 'Y'
and [Package Component Product]Product.ORG_ID = Rate_Structure.ORG_ID
and [Package Component Product]Product.ORG_UNIT_ID = Rate_Structure.ORG_UNIT_ID
and [Package Component Product]Product.PRODUCT_ID = Product_Rate_Code.PRODUCT_ID
and Product_Rate_Code.RATE_STRUCTURE = Product_Component.RATE_STRUCTURE
and Product_Rate_Code.RATE_CODE = Product_Component.RATE_CODE
and [Package Component Product]Product.PRODUCT_ID = Product_Pricing.PRODUCT_ID
and Product_Pricing.RATE_STRUCTURE = Product_Component.RATE_STRUCTURE
and Product_Pricing.RATE_CODE = Product_Component.RATE_CODE
and Product_Rate_Code.ACTIVE_FLAG = 'Y'
and Product_Rate_Code.ECOMMERCE_FLAG = 'Y'
```

else

If Product_Component.RATE_STRUCTURE is not null and Product_Component.RATE_CODE is null

```
select Product_Pricing.PRICE times [Package Product]Product.PACKAGE_DISCOUNT_PCT
where [Package Product]Product.PRODUCT_ID = Product_Component.PRODUCT_ID
and [Package Product]Product.MEMBERS_ONLY_FLAG = 'N'
```

```

and [Package Component Product]Product_Component.COMPONENT_PRODUCT_ID =
Product.PRODUCT_ID
and Product_Component.ACTIVE_FLAG = 'Y'
and [Package Component Product]Product.ORG_ID = Rate_Structure.ORG_ID
and [Package Component Product]Product.ORG_UNIT_ID = Rate_Structure.ORG_UNIT_ID
and [Package Component Product]Product.PRODUCT_ID = Product_Rate_Code.PRODUCT_ID
and Product_Rate_Code.RATE_STRUCTURE = Product_Component.RATE_STRUCTURE
and Product_Rate_Code.ACTIVE_FLAG = 'Y'
and Product_Rate_Code.ECOMMERCE_FLAG = 'Y'
and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = 'Y'

```

- o Member Price

If Product_Component.RATE_STRUCTURE is null

```

select Product_Pricing.PRICE times [Package Product]Product.PACKAGE_DISCOUNT_PCT
where [Package Product]Product.PRODUCT_ID = Product_Component.PRODUCT_ID
and [Package Component Product]Product_Component.COMPONENT_PRODUCT_ID =
Product.PRODUCT_ID
and Product_Component.ACTIVE_FLAG = 'Y'
and [Package Component Product]Product.ORG_ID = Rate_Structure.ORG_ID
and [Package Component Product]Product.ORG_UNIT_ID = Rate_Structure.ORG_UNIT_ID
and [Package Component Product]Product.PRODUCT_ID = Product_Rate_Code.PRODUCT_ID
and Product_Rate_Code.RATE_STRUCTURE = Rate_Structure.RATE_STRUCTURE
and [Package Component Product]Product.PRODUCT_ID = Product_Pricing.PRODUCT_ID
and Product_Pricing.RATE_STRUCTURE = Rate_Structure.RATE_STRUCTURE
and Rate_Structure.MEMBER_PRICE_FLAG = 'Y'
and Product_Rate_Code.ACTIVE_FLAG = 'Y'
and Product_Rate_Code.ECOMMERCE_FLAG = 'Y'
and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = 'Y'

```

else

If Product_Component.RATE_STRUCTURE is not null and Product_Component.RATE_CODE is not null

```

select Product_Pricing.PRICE times [Package Product]Product.PACKAGE_DISCOUNT_PCT
where [Package Product]Product.PRODUCT_ID = Product_Component.PRODUCT_ID
and [Package Component Product]Product_Component.COMPONENT_PRODUCT_ID =
Product.PRODUCT_ID
and Product_Component.ACTIVE_FLAG = 'Y'
and [Package Component Product]Product.ORG_ID = Rate_Structure.ORG_ID
and [Package Component Product]Product.ORG_UNIT_ID = Rate_Structure.ORG_UNIT_ID
and [Package Component Product]Product.PRODUCT_ID = Product_Rate_Code.PRODUCT_ID
and Product_Rate_Code.RATE_STRUCTURE = Product_Component.RATE_STRUCTURE
and Product_Rate_Code.RATE_CODE = Product_Component.RATE_CODE
and [Package Component Product]Product.PRODUCT_ID = Product_Pricing.PRODUCT_ID
and Product_Pricing.RATE_STRUCTURE = Product_Component.RATE_STRUCTURE
and Product_Pricing.RATE_CODE = Product_Component.RATE_CODE
and Product_Rate_Code.ACTIVE_FLAG = 'Y'
and Product_Rate_Code.ECOMMERCE_FLAG = 'Y'

```

else

If Product_Component.RATE_STRUCTURE is not null and Product_Component.RATE_CODE is null

```

select Product_Pricing.PRICE times [Package Product]Product.PACKAGE_DISCOUNT_PCT
where [Package Product]Product.PRODUCT_ID = Product_Component.PRODUCT_ID
and [Package Product]Product.MEMBERS_ONLY_FLAG = 'N'

```

and [Package Component Product]Product.Component.COMPONENT_PRODUCT_ID =
 Product.PRODUCT_ID
 and Product.Component.ACTIVE_FLAG = 'Y'
 and [Package Component Product]Product.ORG_ID = Rate_Structure.ORG_ID
 and [Package Component Product]Product.ORG_UNIT_ID = Rate_Structure.ORG_UNIT_ID
 and [Package Component Product]Product.PRODUCT_ID = Product_Rate_Code.PRODUCT_ID
 and Product_Rate_Code.RATE_STRUCTURE = Product.Component.RATE_STRUCTURE
~~and Product_Rate_Code.ACTIVE_FLAG = 'Y'~~
 and Product_Rate_Code.ECOMMERCE_FLAG = 'Y'
 and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = 'Y'

Product Alerts

Product Alert	Logic
New	The New product alert is not being implemented
Member Only	If Product.MEMBERS_ONLY_FLAG = Y, the "Members Only" product alert is displayed.

User Story 1.8 Pre-Order

Requirement from MRD

System should display items that are available for pre-order and allow them to save it for later. This would appear in both the product listing and product detail pages.

Business Process Scenario from MRD

- If an item has been configured for pre-order, customers should be given the option to save the item for later.
- Generally speaking the user shouldn't be able to purchase the product at this time.

Exception Business Scenarios and Caveats from MRD

- There is no special logic associated with this functionality, such as notifying the user when it is available.
 - Items saved for later should be available in reporting through the universes, and at this time customers would develop their own reports if they wanted to be aware of customers who have saved products of this nature.
 - **Note:** If this is not the case that this data is available in the universes, we should discuss.
 -

Functional Design

~~There is a difference between "Pre-Order" and "Notify When Available". The requirements for "Notify When Available" are covered in User Story 1.8.1. Because we needed to cut scope, "Notify Me When Available" user story is not being implemented in 7.5.0.~~

A pre-order is a real order made by customers prior to the product being available. For INV orders, it is similar to a backorder; however, backorders are for items temporarily out-of-stock that are expected to be fulfilled relatively quickly. With a pre-order, the item has never been in stock. When an item is available for pre-order, the organization publishes the date the pre-order will be fulfilled (this meets FTC requirements). If customers want to place a pre-order, their credit card is authorized, but not charged.

Organizations solicit pre-orders for a number of reasons. A product might historically sell out quickly and customers have requested the option of pre-ordering. An organization may want to ensure a certain level of sales before committing to the purchase of the product.

In e-business, a pre-order product will have a “Pre-Order Available” product alert displayed in the product listing and on the product detail page.

ABA has requested pre-order functionality for MTG products (recorded webinars) as well; however, it doesn’t make sense for MTG products, because customers can register early for a MTG.

To support the concept of pre-orders, a new field will be added to the Product table called PREORDER_AVAILABLE_DATE. When an INV product is created, the value populated to the new field is the value in Product.AVAILABLE_DATE. If the user changes the Product.PREORDER_AVAILABLE_DATE to be > Product.AVAILABLE_DATE, the product will show the “Pre-Order Available” product alert in the product listing if the product is out of stock (Inv_Product.AVAILABLE_QTY = 0) and if Product.PREORDER_AVAILABLE_DATE to be > Product.AVAILABLE_DATE and if Product.PREORDER_AVAILABLE_DATE > current date.

Note that this field should only be available for INV inventoried products (Product.SUBSYSTEM = ‘INV’ and Inv_Product.INVENTORIED_FLAG = ‘Y’ and Inv_Product.ALLOW_BACKORDERS_FLAG = ‘Y’).

Product Central Screen

Product Maintenance | General Setup

Parent Product: A-INV1 Product Code: A-INV1 Product Name: A-INV1 Invoice

General Product Setup

Subsystem: Inventoried Products

Product Code: A-INV1

Parent Product: A-INV1

Options

Master Product Returnable Allow Price Update

Available to Order Members Only

Zero Price One Price Only Has Assigned Sales Rep

Product Name: A-INV1

Invoice Description: A-INV1 Invoice

Product Sub-Title: Subtitle here

Product Type: Individual Product

Product Class: Books

Product Status: Active

Currency Code:

Status Date: 1/12/2009

Available from: 1/12/2009

Available thru:

Inventoried Products

Unit Weight: 0.000 Inventoried Is a Donation

Unit Measure: Each Allow Back Order

Quantity: 5 Reorder Quantity: 0

ISBN: Reorder Level: 0

Cost Method: Calculated Average Cost

Average Unit Cost: \$0.04 YTD Sold Quantity: 148

Cost Calc Date: 12/5/2011 Total Sold Quantity: 148

Next Inventory Arrival: Last Sold:

[Preferred Vendor](#)

[Inventory Account](#) 1-19999-00-000 Inventory

[Cost of Goods Account](#) 1-50100-01-000 INV COGS

Pre-Order Available: ▼

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Inventoried Products Group Box				
Pre-Order Available Product.PREORDER_ AVAILABLE_DATE	If a product is available for pre-order from the web, the date the product will be shipped or fulfilled is identified here.	No		<u>Validation</u> : Cannot be < Product.AVAILABLE_DATE <u>Default</u> : Product.AVAILABLE_DATE <u>Allow Edit</u> : Yes for inventoried INV products i.e., where Inv_Product.INVENTORIED_FLAG = Y and ALLOW_BACKORDERS_FLAG = Y

2.0 Display of Product Details

User Story 2.1. Display of Inventory Products

Requirement from MRD

Merchants want to be able to control whether products on back order are displayed or not, or specific inventory levels.

Business Process Scenario from MRD

- Merchants should be able to control whether sold-out items are displayed on the web site.
- In some cases, merchants want to display the number of items are left to help drive demand (e.g., clearance items).
- Merchants should be able to set a threshold inventory at which “only X items left” type of messaging would be displayed.

Exception Business Scenarios and Caveats from MRD

- It is not expected that this would be managed on a product by product basis, but would be a system wide setting, unless such values were already available at the product or product class level in Personify.

Existing DNN Functionality from MRD

This is not existing functionality.

Functional Design

Organizations need to be able to define whether out-of-stock products should display on the web. We can't just say that if the product is defined to not allow backorders, it shouldn't display, because some organizations want to “advertise” the product, even if it's temporarily out of stock. Conversely, even if a product allows backorders, an organization may not want to have it display in the product listing because inventory replenishment is sporadic. The organization will be able to define a default “Display Out of

Stock Items on the Web” parameter setting at the org unit level, which will default into the INV product, where it can be changed.

Also, when a product is reaching low inventory/low capacity, organizations want to display a “limited quantity” message (for inventory products) or a “limited seats” message (for meeting products). Because the threshold can vary greatly between products, this needs to be able to set at the product level.

APP003 Org Unit Maintenance > Inventory Subsystem Parameters Page

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
e-Business Defaults Group Box				
Default Display Out-of-Stock Items App_Org_Unit. DEFAULT_INV_ WEB_DISPLAY_OUT_OF_ STOCK_FLAG (new field)	Identifies the default behavior related to displaying out-of-stock products on	Y	When a new INV product is created, the value defined here defaults into Inv_Product. WEB_DISPLAY_OUT_OF_STOCK_FLAG, where it can be changed.	Default to Y Valid values are Y or N User is allowed to edit, but changes only affect new products.

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
	the web.			
Default Limited Quantity Threshold App_Org_Unit. DEFAULT_INV_ LIMITED_QTY_ THRESHOLD (new field)	Identifies the default available-inventory level at which customers will start seeing a "Limited Quantity Available" message on the web	Y	When a new INV product is created, the value defined here defaults into Inv_Product.LIMITED_QTY_THRESHOLD, where it can be changed.	Default to 0 User is allowed to edit, but changes only affect new products.

Product Central > Inventory Products > Product Web Control Page

Product Maintenance | eBusiness Control

Parent Product: A-INV1 Product Code: A-INV1 Product Name: A-INV1 Invoice

eBusiness Control Setup Summary

Add eBusiness Control

Display Settings

Display on Web Web Display Dates: [] []
 Add to Cart Product URL: []
 Allow Bill-Me Web Shipping Message: []
 Display Out of Stock on Web Limited Qty Threshold: []

Promotional Settings

Featured Product Featured Product Dates: [] [] Sort order: []

Brief Description Text:
[]

Long Description Text:
[]

Screen Caption/ Table.FIELD Name	Description	Required ?	Business Logic	Validations/Defaults
Display Settings				
Display Out of Stock on Web Inv_Product. WEB_DISPLAY_OUT_OF_STOCK_FLAG (new field)	Allows the organization to define whether they want out of stock products to display on the web.	Y	When set to Y, even if the product is out of stock and even if the product has been defined to not allow backorders, the product will still be included on the Product Listing page, with an Out of Stock product alert.	Only enabled for inventoried INV products that allow backorder (Product.SUBSYSTEM = 'INV' and Inv_Product.INVENTORIED_FLAG = 'Y' and Inv_Product.ALLOW_BACKORDER_FLAG = 'Y'). Default: App_Org_Unit. DEFAULT_INV_WEB_DISPLAY_OUT_OF_STOCK_FLAG Y or N. Must = 'N' Inv_Product.INVENTORIED_FLAG = 'N' or Inv_Product.ALLOW_BACKORDER_FLAG = 'N' User can edit if Inv_Product.INVENTORIED_FLAG = 'Y' and Inv_Product.ALLOW_BACKORDER_FLAG = 'Y'.
Limited Qty Threshold:	Identifies the available-quantity inventory level at which web users will see the "Limited Quantity Available" product alert	No	When the product is created, this field is set to App_Org_Unit. DEFAULT_INV_LIMITED_QTY_THRESHOLD	Only enabled for inventoried INV products (Product.SUBSYSTEM = 'INV' and Inv_Product.INVENTORIED_FLAG = 'Y') Default: App_Org_Unit. DEFAULT_INV_LIMITED_QTY_THRESHOLD User can edit at any time

INV Threshold Setting in DNN Control

Currently there is a limited quantity threshold configuration option for INV products. It should be removed, and the code should be updated to reference the new Inv_Product.LIMITED_QTY_THRESHOLD field.

Upgrade Scripts

A script needs to be provided to update

App_Org_Unit.DEFAULT_INV_WEB_DISPLAY_OUT_OF_STOCK_FLAG. It should be set to 'Y' (either that, or it can be defined to default to Y at the database level).

A script needs to be provided to update Inv_Product.WEB_DISPLAY_OUT_OF_STOCK_FLAG. It should be set to N for all products where Product.SUBSYSTEM <> 'INV'. If Product.SUBSYSTEM = 'INV' and Inv_Product.INVENTORIED_FLAG = 'N' or Inv_Product.ALLOW_BACKORDERS_FLAG = 'N', it should be set to 'N'. If Product.SUBSYSTEM = 'INV' and Inv_Product.INVENTORIED_FLAG = 'Y' and Inv_Product.ALLOW_BACKORDERS_FLAG = 'Y', it should be set to 'Y'.

User Story 2.2 Product Detail Pages Should be Optimized Based on the Type of Product Being Promoted

Requirement from MRD

Merchants want product detail pages that are optimized for the particular type of product being displayed.

Business Process Scenario from MRD

- Product detail pages should be optimized based on the type of product being promoted.
- For example, a meeting page should have fields that are specific to that type of product, such as dates and locations.
- There should not be extraneous fields that are not applicable, such as location for a DCD product.
- Otherwise, this requirement is covered in each of the specific subsystem MRDs and designs.
- **ABA Requirement:** If it does not already exist, a DCD specific product detail template page should be created.

Exception Business Scenarios and Caveats from MRD

- Note: this user story encompasses both the “Product Detail Configuration”, “Product Descriptions” and “Hard Core Product Details” items from the ABA list.
- Note: As this item is addressed by other MRD and Design documents, it is being included as one of the items in the ABA agreement.

Existing DNN Functionality from MRD

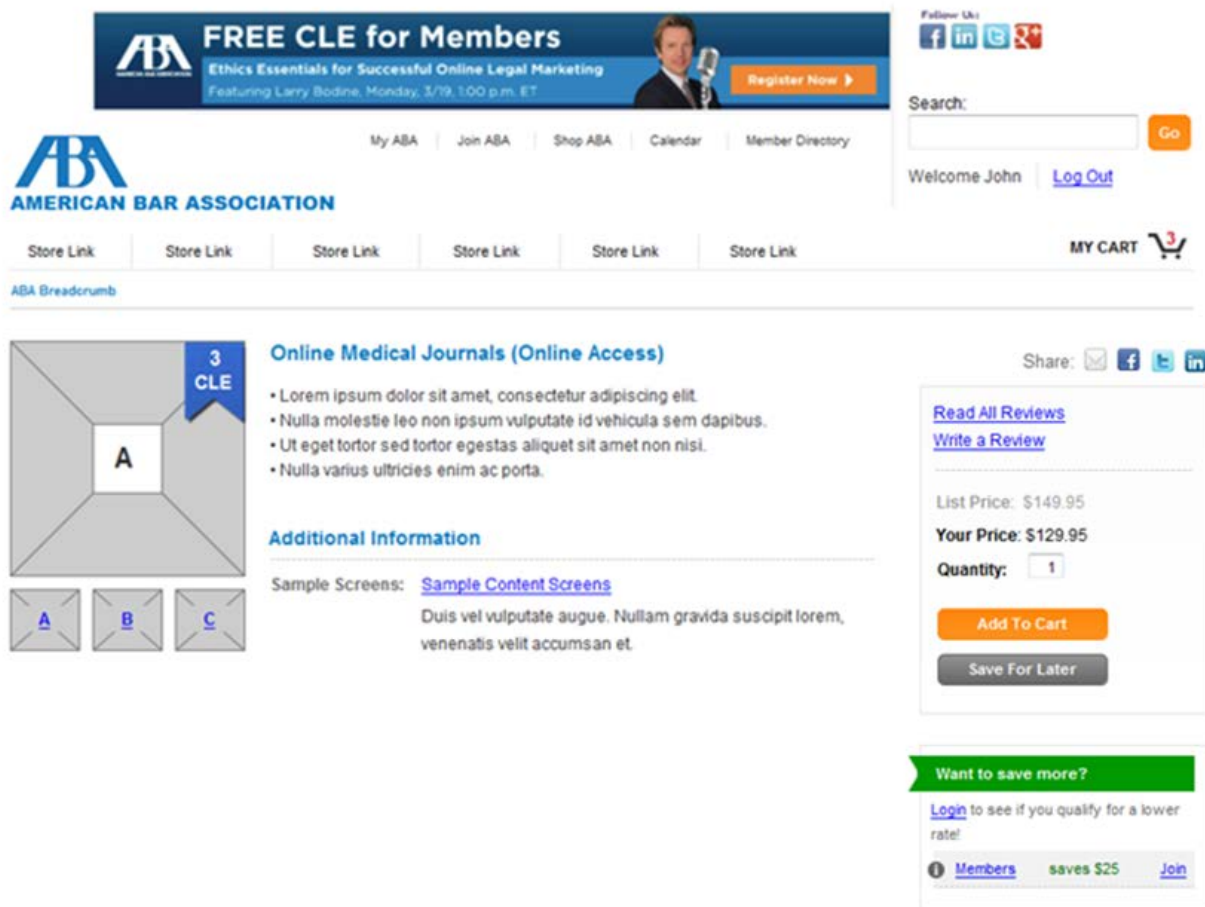
This is existing functionality.

Functional Design

Designs for individual subsystem products are in User Stories 2.2.1 through 2.4.

For the 7.5.0 release, “Related Links” on the Product Detail page is only being implemented for Meetings products. It may be implemented on the Product Detail page for other subsystem products in a future release.

User Story 2.2.1 Generic Product Detail Page – CRT, MISC Products



Note about wireframe: “Read All Reviews” and “Write a Review” are features that are only available for DCD/ECD, INV, MBR and SUB products, so those links should not be available for CRT or MISC products.

Assumptions

Regular membership products that are not ONLINE_ACCESS products do not have a product detail page. From the online store, clicking the link for a membership product takes the customer into a “Join” workflow.

The Meetings product detail page is covered in Susannah’s meetings e-business functional design.

Functional Design

On the generic product detail page, the information that should be displayed is listed in the chart below. The generic product detail page should include the Components control (which displays records from the Product_Component table) and the Attachments control, which is covered in detail in User Story 2.3

Products that will use this page are products where Product.SUBSYSTEM in ('CRT','MISC') or Product.PRODUCT_TYPE_CODE = 'U'

Caption	Description
(No caption)	Existing functionality

Caption	Description
Images	
(No caption) Product Title	Product.SHORT_NAME
Product Alerts	Any of the product using this page might have a “New” badge, which should appear under the product title. Because we needed to cut scope, we will not be implementing the “New” product alert in 7.5.0. Any of the subsystem products using the generic product detail page might have a “Member Only” product alert.
(No caption) Short description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_SHORT’. Users need to be aware that member-benefit subscriptions need to be described in the description, because member benefit subscriptions are given based on rate structure and rate code, which would make the page confusing.
Includes	<p>This is not depicted in the wireframe, but it is shown on the PCK user story (2.2.6). It is at the same level as “Additional Information” and should appear above “Additional Information”.</p> <p>Ideally, “Components” would be a separate control. Development of the control to display records from the Product_Component table may also be detailed in Susannah’s Meetings design, so the development should not be done twice.</p> <p>What will be displayed in the “Includes” section is the Product.SHORT_NAME for for each Product_Component.COMPONENT_PRODUCT_ID product where Product_Component.COMPONENT_PRODUCT_ID = Product.PRODUCT_ID and Product_Component.ACTIVE_FLAG = ‘Y’. The component product must meet the standard product selection criteria detailed in user story 1.7.</p> <p>The “Includes” heading should only appear if there are records in Product_Component for the product open in the Product Detail page. Otherwise, the control should not take up any space.</p> <p>List of products should be sorted in order by Product_Component.PRIORITY_SEQ.</p>
Additional Information	<p>Attachments control (see User Story 2.3)</p> <p>The “Additional Information” heading should only appear if there are records in Product_File for the product open in the Product Detail page. Otherwise, the control should not take up any space.</p>
Details	<p>This is not depicted in the wireframe. It is at the same level as “Additional Information” and should appear below “Additional Information”.</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_LONG’</p>
Right side of screen	
Share	Existing functionality
I want to automatically renew my membership	When this is checked and the subscription order is created, Order_Detail.AUTO_PAY_METHOD_CODE is set to ‘CC’, a record is created in Order_Detail_CC_Info for the credit card used to pay for the membership (the token is stored), and Order_Detail.

Caption	Description
	<p>RENEW_TO_CC_FLAG is set to 'Y'</p> <p>This has already been implemented for simple membership.</p>
Price:	<p>Use existing logic.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in Personify 7.5.0.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. Only the default product rate code for the List/Your or List/Member rate structure should be displayed.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + " Only".</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY. Existing functionality
Action Buttons	<p>Add to Cart – existing functionality</p> <p>Save for Later – existing functionality</p>
Want to Save More?	The organization should be able to add this control to the product detail page, if so desired. This is a control that either already exists or is being developed by the membership team.


ONLINE_ACCESS App_Code Record

As part of the work for this user story, a record should be created in the App_Code table for a new product class code called ONLINE_ACCESS:

App_Code Field	Value to be Set
SUBSYSTEM	MBR
TYPE	PRODUCT_CLASS
CODE	ONLINE_ACCESS
DESCR	Online Access
SYSTEM_FLAG	Y
DISPLAY_ORDER	0
SCREEN_RESTRICTION	NULL
PRIMARY_SUBCODE	NULL
ACTIVE_FLAG	Y
STATUS_CHANGE_DATE	Getdate()
AUTO_POPULATE_FLAG	N
AVAILABLE_TO_WEB_FLAG	Y
OPTION_1	NULL
OPTION_2	NULL
OPTION_3	NULL
SUBCODE_OPTION_1_REQD_FLAG	N
SUBCODE_OPTION_2_REQD_FLAG	N
SUBCODE_OPTION_3_REQD_FLAG	N

App_Code Field	Value to be Set
SUBCODE_OPTION_1_CAPTION	NULL
SUBCODE_OPTION_2_CAPTION	NULL
SUBCODE_OPTION_3_CAPTION	NULL
ADDOPER	Standard system field
ADDDATE	Standard system field
MODOPER	NULL
MODDATE	NULL
CONCURRENCY_ID	0
OPTION_4	NULL
PUBLIC_CODE_FLAG	Y
OPTION_5	NULL
OPTION_6	NULL
CODE_OPTION_5_REQD_FLAG	N
CODE_OPTION_6_REQD_FLAG	N
CODE_OPTION_5_CAPTION	NULL
CODE_OPTION_6_CAPTION	NULL
ACCESSPOINT_CODE	NULL
USER_INSTRUCTION	NULL
HELP_TEXT	NULL

User Story 2.2.2 Product Detail Page - DCD Product



AMERICAN BAR ASSOCIATION

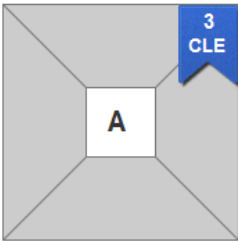
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Search: [Go](#)

Welcome John | [Log Out](#)

Store Link | Store Link | Store Link | Store Link | Store Link | Store Link

ABA Breadcrumb



Locked Down: Information Security for Lawyers

Max downloads: 2
Downloads allowed for: 4 Weeks

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet non nisi.
- Nulla varius ultricies enim ac porta.

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Share: [✉](#) [f](#) [t](#) [in](#)

[Read All Reviews](#)
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List Price: \$149.95
Your Price: \$129.95

Quantity:

[Add To Cart](#)

[Save For Later](#)

Want to save more?

[Login](#) to see if you qualify for a lower rate!

[Members](#) saves \$25 [Join](#)

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis

Functional Design

On the ECD product detail page, the information that should be displayed is listed in the chart below. The difference between the generic product detail page and the ECD product detail page is that “Max Downloads”, “Downloads allowed until” and ISBN number are displayed along with records in the DCD_Setup table.

Products that will use this page are products where Product.SUBSYSTEM = ‘ECD’, along with standard product-selection criteria.

Caption	Description
(No caption) Images	Existing functionality
(No caption) DCD/ECD Product Title	Product.SHORT_NAME
Product Alerts	Products on this page may have a “New” badge, which should appear under the product title. Because we needed to cut scope, we will not be implementing the “New” product alert in 7.5.0. DCD products might have a

Caption	Description
	"Member Only" product alert.
Max downloads	<p>Each file available for an ECD product has a value for DCD_Setup.LIMITED_DOWNLOADS. If the first file has LIMITED_DOWNLOADS = 0, then "Max Downloads" should say "Unlimited Downloads". Otherwise, display DCD_Setup.LIMITED_DOWNLOADS for the first file associated with the DCD product.</p> <p>Documentation Note: It is assumed that an organization has the same setup for all files included in an ECD product, which is why information is displayed for the first file only.</p>
Downloads allowed until	<p>The caption should be "Downloads allowed for " + Dcd_Setup.ALLOWED_TIME_TO_DOWNLOAD + " " + App_Code.DESCR where App_Code.SUBSYSTEM = 'ECD' and App_Code.TYPE = 'TIME_TO_DOWNLOAD_UNIT'</p> <p>If DCD_Setup.VALID_TO is not null for the DCD product in the page, then display caption and DCD_Setup.VALID_TO. If DCD_Setup.VALID_TO is null, do not display anything.</p>
ISBN	<p>This is not depicted in the wireframe. It should come under "Downloads allowed until".</p> <p>If ECD_Product.ISBN is null, do not display the "ISBN" caption.</p> <p>If ECD_Product.ISBN is not null, then the Google Preview control should be displayed to the right of the ISBN number. See User Story 3.2 for details about the Google Preview Control.</p>
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Files	<p>Lists file(s) that are included with the DCD product.</p> <p>ECD_Setup.TITLE should be displayed for each file linked to the DCD product. Display ECD_Setup.DOCUMENT_TITLE sorted in order alphabetically. Only files that are current and not expired should be listed (i.e., where Ecd_Setup.VALID_FROM <= current date and (Ecd_Setup.VALID_TO is null or Ecd_Setup.VALID_TO >= current date).</p> <p>More Information link: Each file has a "More Information" hyperlink. When clicked, it should open a small dialog box that displays Ecd_Setup.DESCRPTION.</p>
Additional Information (not shown in wireframe but see the INV wireframe, user story 2.2.4)	<p>Attachments control (see user story 2.3)</p> <p>"Related Customers" control – the Related Customers control will display Customer.LABEL_NAME (hyperlinked) from Product_Related_Customer, Customer where Product_Related_Customer.PRODUCT_ID = Product.PRODUCT_ID of product in the detail page and Product_Related_Customer.MASTER_CUSTOMER_ID = Customer.MASTER_CUSTOMER_ID and Product_Related_Customer.SUB_CUSTOMER_ID = Customer.SUB_CUSTOMER_ID and Product_Related_Customer.WEB_ENABLED_FLAG = 'Y' (this is a new field being added as part of MTG ebusiness), sorted in order by</p>

Caption	Description
	<p>App_Code.DISPLAY_ORDER where App_Code.SUBSYSTEM = Product.SUBSYSTEM of product open in the product detail page and App_Code.TYPE = 'CUSRELATION' and App_Code.CODE = Product_Related_Customer.CUSRELATION_CODE.</p> <p>Development of the "Related Customer" control is also detailed in Susannah's Meetings design to display speakers, so the development should not be done twice. When the user clicks the hyperlinked customer name, a pop-up modal opens that displays information about the customer. The pop-up modal is shown in Susannah's Meetings e-Business functional design.</p> <p>A section title should be displayed, which will come from App_Code.DESCR where App_Code.SUBSYSTEM = Product.SUBSYSTEM of product on the product detail page and App_Code.TYPE = 'CUSRELATION' and App_Code.CODE = Product_Related_Customer.CUSRELATION_CODE. The section titles should be sorted in order by App_Code.DISPLAY_ORDER, App_Code.DESCR. There may be multiple CUSRELATION_CODE values.</p> <p>If there are multiple related customers assigned to a single CUSRELATION_CODE, the customer records should be sorted in order by Customer.LAST_FIRST_NAME.</p> <p>If there are no web-enabled customers linked to the product, then it should not take up any space on the page.</p>
Details	<p>(Use the word "Item instead of "Product")</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'</p>
Reviews	<p>(Use the word "Item instead of "Product")</p> <p>Existing Marketing Control</p>
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price Member Price	<p>Use existing logic.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, the second level of strikethrough pricing is not being implemented in Personify 7.5.0. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. Only the price for the default product rate code for the List/Your or List/Member rate structure should be displayed.</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY. Existing functionality.

Caption	Description
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality
Want to Save More?	Existing control. Organizations should be able to add this control to the detail page if so desired.

ECD Product Setup to Support ISBN

Add a new table called ECD_Product with a new field called ISBN (varchar 20). The five standard system fields should also be added to the table.

On the ProductCentral screen, when the product has Product.SUBSYSTEM = 'ECD', a new group box should be added captioned as DCD/ECD Products. The new ISBN field should be added to the group box. There is no validation on the field, and the user is allowed to edit at any time.

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
DCD/ECD Products Group Box				
ISBN ECD_Product.ISBN (varchar 20)	The ISBN number is the International Standard Book Number. If an electronic book has an ISBN number, Google Preview can be	N	User can edit at any time	Validation: None Default: None

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
	used by users on the web to review additional details about the book.			

User Story 2.2.3 Product Detail Page - FND Product

The screenshot shows the ABA website interface. At the top, there is a banner for 'FREE CLE for Members' with a 'Register Now' button. Below the banner is the ABA logo and navigation links: 'My ABA', 'Join ABA', 'Shop ABA', 'Calendar', and 'Member Directory'. A search bar is located on the right with a 'Go' button. Below the search bar, it says 'Welcome John' and 'Log Out'. A 'MY CART' icon with a '3' is also visible. The main content area features a product card for 'Fund for Justice in Education' with a '3 CLE' badge. The product card includes a list of bullet points: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit.', 'Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.', 'Ut eget tortor sed tortor egestas aliquet sit amet non nisi.', and 'Nulla varius ultricies enim ac porta.'. Below the product card are three small thumbnail images labeled 'A', 'B', and 'C'. To the right of the product card is a 'Share' section with social media icons and a 'Donation Amount' section with radio buttons for \$500, \$250, \$100, \$50, and \$25, and an 'Other' option with a text input field. A 'Donate Now' button is at the bottom of the donation section.

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis. Aliquam sollicitudin imperdiet massa non tincidunt. Fusce eu lacus sapien, a posuere est. Quisque vulputate fringilla massa id eleifend. Nunc tempus gravida velit ac faucibus. Nulla facilisi. Vivamus ac tellus lacus, ac auctor ligula.

Functional Design


On the Fundraising gift detail page, the information that should be displayed is listed in the chart below. The difference between the generic product detail page and the FND product detail page is pricing is displayed differently. The FND product detail page should also include the “Premium” control (which is the same as the “Components” control) that displays records from the Product_Component table.

Products that will use this page are products where Product.SUBSYSTEM = ‘FND’, along with standard product-selection criteria.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Fundraising Gift Title	Product.SHORT_NAME
Product Alerts	A fundraising product should not have any product alerts.
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the product detail page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Premiums	<p>This is not depicted in the wireframe.</p> <p>This uses the “Components” control. Development of the “Components” control may also be detailed in Susannah’s Meetings design, so the development should not be done twice.</p> <p>What will be displayed in the “Premiums” section is the Product.SHORT_NAME for for each Product_Component.COMPONENT_PRODUCT_ID product where Product_Component.COMPONENT_PRODUCT_ID = Product.PRODUCT_ID and Product_Component.ACTIVE_FLAG = ‘Y’. The component product must meet the standard product selection criteria detailed in user story 1.7.</p> <p>The “Premiums” heading should only appear if there are records in Product_Component for the fundraising product. Otherwise, the control should not take up any space.</p> <p>List of products should be sorted in order by Product_Component.PRIORITY_SEQ.</p>
Details	<p>(Use the word “Item instead of “Product”)</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_LONG’</p>
Right side of screen	
Donation Amount	<p>Currently, the donation amounts that are displayed are listed in a “DonationOption” configuration string. If the organization wants to continue using this setup, the logic will be updated to display the donation amounts in the “DonationOption” configuration string if the value in the configuration string is not “Enter Donation Amount”. If it is equal to “Enter Donation Amount”, then web-enabled prices defined Product_Pricing for the List rate structure will be displayed (i.e., Product_Pricing.PRICE where Product_Pricing.RATE_STRUCTURE = Rate_Structure.RATE_STRUCTURE where Rate_Structure.DEFAULT_STRUCTURE_FLAG = ‘Y’ and Product_Pricing.RATE_CODE = Product_Rate_Code.RATE_CODE and Product_Rate_Code.ECOMMERCE_FLAG = Y). Don’t display rate code.</p> <p>Documentation Note: FND products need to have “Allow Direct Price Update” set to Y so that donors can enter an alternate amount. This needs to then be passed to the cart.</p> <p>Lists price in descending order by Product_Pricing.PRICE for web-enabled Product Rate Code prices; allows user to either select their donation amount or to enter a different donation amount. This functionality exists in</p>

Caption	Description
	DNN.
Action Button	Donate Now – existing functionality

User Story 2.2.4 Product Detail Page - INV Product




AMERICAN BAR ASSOCIATION


My ABA | Join ABA | Shop ABA | Calendar | Member Directory

Welcome John | [Log Out](#)

[Store Link](#)
[Store Link](#)
[Store Link](#)
[Store Link](#)
[Store Link](#)
[Store Link](#)

MY CART 

ABA Breadcrumb



3
CLE

A

A

B

C

Rosetta Stone: Unlocking the Fourth Circuit's Keywords Advertising Decision and Previewing Its Consequences

PRE-ORDER AVAILABLE

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet non nisi.
- Nulla varius ultricies enim ac porta.

* Item expected to be in stock by 12/1/2012





Additional Information

Sample Chapter: [Chapter 25: Lorem Ipsum dolor sit amet](#)
Duis vel vulputate augue. Nullam gravida suscipit lorem, venenatis velit accumsan et.

Table of Contents: [Product Name 1 - Subscription TOC](#)

Article: [Nullam gravida suscipit lorem, nec venenatis](#)
Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis.

Author: [Andrea Hooper](#)

Share:    

[Read All Reviews](#)
[Write a Review](#)

List Price: \$149.95
Your Price: \$129.95

Quantity:


Place Pre-Order

Place BackOrder

Save For Later

Want to save more?

[Login](#) to see if you qualify for a lower rate!

 [Members](#) saves \$25 [Join](#)

Product Details:







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ISBN: 978-1-56286-701-0

Product Reviews 2 Reviews

Sort By: Date - Newest to Oldest
Items 1-2 of 2
10 per page

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Betty Johnson | April 20, 2011 | [Report Abuse](#)

Functional Design

On the Inventory product detail page, the information that should be displayed is listed in the chart below. The difference between the generic product detail page and the INV product detail page is that, if the product is out of stock, the date the product is expected to be available is also displayed. Also, if the product is available for pre-order, then the date the product will be available is displayed. The INV product detail page will include the Components control, the Related Customers control and the Attachments control.

Products that will use this page are products where Product.SUBSYSTEM = 'INV', along with standard product-selection criteria.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Inventory Product Title	Product.SHORT_NAME
Product Alerts	An inventory product may qualify for a number of product alerts. See User Story 1.7 for the priority order in which INV product alerts should be listed.
ISBN	This is not depicted in the wireframe. It should come under product alerts. If Inv_Product.ISBN is null, do not display the "ISBN" caption. If Inv_Product.ISBN is not null, then the Google Preview control should be displayed to the right of the ISBN number. See User Story 3.2 for details about the Google Preview Control.
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'.
Item expected to be In stock	If the INV product is out of stock, and if Inv_Product.NEXT_INVENTORY_RECEIPT_DATE is > current date, display "Item expected to be in stock " + Inv_Product.NEXT_INVENTORY_RECEIPT_DATE
Available On	If the product is available for pre-order, the date the product will be available is displayed. Displays Product.PREORDER_AVAILABLE_DATE. This is only displayed if Product.PREORDER_AVAILABLE_DATE is > current date.
Includes	Ideally, "Components" would be a separate control. Development of the control to display records from the Product_Component table may also be detailed in Susannah's Meetings design, so the development should not be done twice. What will be displayed in the "Includes" section is the Product.SHORT_NAME for for each Product_Component.COMPONENT_PRODUCT_ID product where Product_Component.COMPONENT_PRODUCT_ID = Product.PRODUCT_ID and Product_Component.ACTIVE_FLAG = 'Y'. The component product must meet the standard product selection criteria detailed in user story 1.7. The "Includes" heading should only appear if there are records in Product_Component for the inventory product. Otherwise, the control should not take up any space. List of products should be sorted in order by Product_Component.PRIORITY_SEQ.

Caption	Description
Additional Information	<p>Attachments control (see user story 2.3)</p> <p>“Related Customers” control – the Related Customers control will display Customer.LABEL_NAME (hyperlinked) from Product_Related_Customer, Customer where Product_Related_Customer.PRODUCT_ID = Product.PRODUCT_ID of product in the detail page and Product_Related_Customer.MASTER_CUSTOMER_ID = Customer.MASTER_CUSTOMER_ID and Product_Related_Customer.SUB_CUSTOMER_ID = Customer.SUB_CUSTOMER_ID and Product_Related_Customer.WEB_ENABLED_FLAG = ‘Y’ (this is a new field being added as part of MTG ebusiness), sorted in order by App_Code.DISPLAY_ORDER where App_Code.SUBSYSTEM = Product.SUBSYSTEM of product open in the product detail page and App_Code.TYPE = ‘CUSRELATION’ and App_Code.CODE = Product_Related_Customer.CUSRELATION_CODE.</p> <p>Development of the “Related Customer” control is also detailed in Susannah’s Meetings design to display speakers, so the development should not be done twice. When the user clicks the hyperlinked customer name, a pop-up modal opens that displays information about the customer. The pop-up modal is shown in Susannah’s Meetings e-Business functional design.</p> <p>The section title in the wireframe is shown as “Author” but this is an example. What should be displayed is App_Code.DESCR where App_Code.SUBSYSTEM = Product.SUBSYSTEM of product on the product detail page and App_Code.TYPE = ‘CUSRELATION’ and App_Code.CODE = Product_Related_Customer.CUSRELATION_CODE. The section titles should be sorted in order by App_Code.DISPLAY_ORDER, App_Code.DESCR. There may be multiple CUSRELATION_CODE values.</p> <p>If there are multiple related customers assigned to a single CUSRELATION_CODE, the customer records should be sorted in order by Customer.LAST_FIRST_NAME.</p> <p>If there are no web-enabled customers linked to the product, then it should not take up any space on the page.</p>
Details	<p>(Use the word “Item instead of “Product”)</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_LONG’</p>
Reviews	<p>(Use the word “Item instead of “Product”)</p> <p>Existing Marketing Control</p>
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price Member Price	Use existing logic, unless quantity-based pricing is used. See User Story 2.5. If quantity based pricing is used, then the quantity ranges and pricing need to be displayed.

Caption	Description
	<p>If regular pricing is used, Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Designer note: because we needed to cut scope, user story 1.9 is not being done as part of 7.5.0.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. Only the price for the default product rate code for the List/Your or List/Member rate structure should be displayed.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY. Existing functionality.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality Place Pre-Order – the same functionality as Place Backorder
Want to Save More?	Existing control. Organizations should be able to add this control to the detail page if so desired.

User Story 2.2.5 Product Detail Page – SUB Product

The screenshot displays the American Bar Association (ABA) website interface. At the top, there is a banner for 'FREE CLE for Members' with a 'Register Now' button. Below the banner, the ABA logo and navigation links (My ABA, Join ABA, Shop ABA, Calendar, Member Directory) are visible. A search bar and a 'Go' button are on the right. A user is logged in as 'John' with a 'Log Out' link. A 'MY CART' icon with a shopping cart symbol is also present.

The main content area features a product titled 'Locked Down: Information Security for Lawyers'. The product is marked as '3 CLE' and has a frequency of '4/year' and a format of 'Digital/Print'. A list of bullet points describes the content, and a note indicates it is 'Usually ships in 1-2 weeks'. Below this, there is an 'Additional Information' section with links for 'Sample Chapter', 'Table of Contents', and 'Article'. To the right, there is a pricing section with a 'List Price' of \$200.00 for 1 year and \$275.00 for 2 years, and a 'Your Price' dropdown menu. A 'Quantity' selector is set to 1. There are 'Add to Cart' and 'Save For Later' buttons. A green banner asks 'Want to save more?' and provides a link to 'Log In' to see if the user qualifies for a lower rate, noting that members save \$25.

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis. Aliquam sollicitudin imperdiet massa non tincidunt. Fusce eu lacus sapien, a posuere est. Quisque vulputate fringilla massa id eleifend. Nunc tempus gravida velit ac faucibus. Nulla facilisi. Vivamus ac tellus lacus, ac auctor ligula.

Donec ligula est, laoreet vitae pulvinar eu, adipiscing ac erat. Duis vel vulputate augue. Nullam gravida suscipit lorem, nec venenatis velit accumsan et. Vestibulum ornare pretium uma. Praesent volutpat orci sed ipsum porttitor cursus. Proin egestas eleifend molestie. Vestibulum elit quam, sollicitudin ultrices interdum nec, gravida imperdiet neque. Vestibulum quis ultrices nibh. Mauris blandit justo mollis leo imperdiet eusmod. Praesent vel turpis sed nulla aliquet ornare. Curabitur a diam neque. In id arcu arcu, eu facilisis erat. Donec in orci lacus. Quisque in laoreet risus.

ISBN: 978-1-56285-701-0

Product Reviews 2 Reviews

Sort By: Date - Newest to Oldest Items 1-2 of 2 10 per page 1 2 3

Lorem Ipsum 34

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Functional Design

On the Subscription product detail page, the information that should be displayed is listed in the chart below. The difference between the generic product detail page and the SUB product detail page is that Format and Frequency is displayed. Also, the display of pricing includes the Product_Pricing.RATE_CODE in parenthesis. The subscriptions product detail page control will include the Attachments control.

Products that will use this page are products where Product.SUBSYSTEM = 'SUB', along with standard product-selection criteria.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Subscription Product Title	Product.SHORT_NAME
Product Alerts	A subscription may have a “New” badge or a “Member Only” product alert, which should appear under the product title. Because we needed to cut scope, we will not be implementing the “New” product alert in 7.5.0. See User Story 1.7 for the priority order in which product alerts should be listed.
Frequency:	App_Code.DESCR where App_Code.SUBSYSTEM = 'SUB' and App_Code.TYPE = 'FREQUENCY' and App_Code.CODE = Sub_Product.FREQUENCY_CODE and Sub_Product.PRODUCT_ID = Product.PRODUCT_ID of subscription product being displayed. (See the section entitled “Supporting Display of Subscription Frequency Information” that follows this chart for more information about how subscription frequency descriptions are captured.)
Format:	If Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Print/Digital' else if Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'N' and then 'Print' else if Sub_Product.PRINT_EDITION_FLAG = 'N' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Digital'
(No caption) Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Additional Information:	Attachments control (see user story 2.3) The Attachments control will allow the user to attach articles and to even identify a Featured Article, based on the description of the File Type Code.
Details:	(Use the word “Item instead of “Product”) Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'
Reviews:	(Use the word “Item instead of “Product”) Existing Marketing Controls
Right side of screen	
Share:	Existing functionality
Read All Reviews Write a Review	Existing functionality
I want to automatically renew my subscription	When this is checked and the subscription order is created, Order_Detail.AUTO_PAY_METHOD_CODE is set to 'CC', a record is created in Order_Detail_CC_Info for the credit card used to pay for the subscription (the token is stored), and Order_Detail.RENEW_TO_CC_FLAG is set to 'Y'
List Price: Member Price:	Existing functionality. When the user is not logged in, then the List price is displayed.

Caption	Description
	<p>Displays pricing for each term (e.g., 1YR, 2YR): Display Product_Pricing.PRICE (Product_Pricing.RATE_CODE) where Product_Pricing.RATE_STRUCTURE = LIST and Product_Rate_Code.ACTIVE_FLAG = Y Order by Product_Rate_Code.SORT_ORDER</p> <p>Your Price: Allows a user to select a different Product_Pricing.RATE_CODE, which for SUB products is the term.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because scope needed to be cut, the second level of strikethrough pricing is not being implemented in 7.5.0.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY. Existing functionality.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality
Want to Save More?	Existing control. Organizations should be able to add this control to the detail page if so desired.

Supporting Display of Subscription Frequency Information

In order to support the display of frequency information for subscription products, a new field will be added to the Sub_Product table called FREQUENCY_CODE (datatype CODE_CODE; nullable; default to App_Type.PRIMARY_CODE where App_Type.SUBSYSTEM = 'SUB' and App_Type.TYPE = 'FREQUENCY'.

A record will need to be created in the App_Type table for this new code:

The new field will also need to be added to the ProductCentral screen on the Subscription product page:

User Story 2.2.6 Product Detail Page – PCK Product

The screenshot shows the American Bar Association website. At the top, there is a banner for 'Ethics Essentials for Successful Online Legal Marketing' featuring Larry Bodine. Below the banner is the ABA logo and navigation links: My ABA, Join ABA, Shop ABA, Calendar, and Member Directory. A search bar is on the right with a 'Go' button. Below the search bar, it says 'Welcome John' and 'Log Out'. A 'MY CART' icon with a '3' is in the top right. The main content area has a breadcrumb 'ABA Breadcrumb'. The product card is titled 'Locked Down: Information Security for Lawyers' and has a '3 CLE' badge. It lists bullet points: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit.', 'Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.', 'Ut eget tortor sed tortor egestas aliquet sit amet non nisi.', and 'Nulla varius ultricies enim ac porta.' Below the product title is an 'Includes' section with a list of items: 'CD1: Mark Robertson Q/A', 'CD2: Small Firm Attorney Tools', 'CD3: Law Student Tools', 'CD4: Retired Attorney Guide', 'Printed Course Materials', and 'Leather Binder'. To the right of the product card is a price section: 'List Price: \$149.95', 'Your Price: \$129.95', and a quantity selector set to '1'. There are 'Add To Cart' and 'Save For Later' buttons. Below the price section is a green banner that says 'Want to save more?' with a 'Login' link and 'Members saves \$25'.

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis iusto magna, posuere nec ultricies eget, posuere ac felis. Nullam et turpis iusto. Donec bibendum erat eget lacus ornare viverra. Donec facilisis

Note about wireframe: “Read All Reviews” and “Write a Review” are features that are only available for DCD/ECD, INV, MBR and SUB products, so those links should not be available for PCK products.

Functional Design

On the Package product detail page, the information that should be displayed is listed in the chart below. The difference between the generic product detail page and the PCK product detail page is that the amount of savings is displayed. The packages product detail page will include the Components control.

Products that will use this page are products where Product.SUBSYSTEM = ‘PCK’, along with standard product-selection criteria.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Package Product Title	Product.SHORT_NAME
Product Alerts	A package product may have a “New” badge or a “Member Only” product alert, which should appear under the package product title. Because we needed to cut scope, we will not be implementing the “New” product alert

Caption	Description
	<p>in 7.5.0. See User Story 1.7 for the priority order in which product alerts should be listed.</p> <p>Note that product alerts are only given for the package product itself, and not for components of the package</p>
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Includes	<p>Ideally, "Components" would be a separate control. Development of the control to display records from the Product_Component table may also be detailed in Susannah's Meetings design, so the development should not be done twice.</p> <p>What will be displayed in the "Includes" section is the Product.SHORT_NAME for for each Product_Component.COMPONENT_PRODUCT_ID product where Product_Component.COMPONENT_PRODUCT_ID = Product.PRODUCT_ID and Product_Component.ACTIVE_FLAG = 'Y'. The component product must meet the standard product selection criteria detailed in user story 1.7.</p> <p>A package must always have at least 1 record in Product_Component.</p> <p>List of products should be sorted in order by Product_Component.PRIORITY_SEQ.</p>
Savings	<p>This is not depicted in the wireframe. It should be displayed in the "Includes" section after all of the products in Product_Component table are listed.</p> <p>Savings is the sum of Product_Pricing.PRICE for all products in the package (Product_Component where Product_Component.PRODUCT_ID = package product ID and Product_Component.COMPONENT_PRODUCT_ID = product ID of products in package) less the package price, which is the sum of the price for all products in the package minus the package discount.</p>
Details	<p>(Use the word "Item instead of "Product")</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'</p>
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price Member Price	<p>Uses existing logic to display price.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because scope needed to be cut, the second level of strikethrough pricing is not being</p>

Caption	Description
	<p>implemented in 7.5.0.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. Only the default product rate code for the List/Your or List/Member rate structure should be displayed.</p> <p>See User Story 1.7.6 for the logic to use for calculating package pricing. The existing logic for select Your Price, Member Price and List Price should still be used.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY. Existing functionality.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality
Want to Save More?	Existing control. Organizations should be able to add this control to the detail page if so desired.

User Story 2.2.7 Product Detail Page – MBR Online Access Product



Functional Design

On the Online Access (Membership) product detail page, the information that should be displayed is listed in the chart below. The difference between the generic product detail page and the online access membership product detail page is that display of pricing includes the Product_Pricing.RATE_CODE. The online access membership product detail page will include the Components control and the Attachments control.

Products that will use this page are products where Product.SUBSYSTEM = 'MBR' and Product.PRODUCT_CLASS_CODE = 'ONLINE_ACCESS', along with standard product-selection criteria.

Caption	Description
(No caption) Images	Existing functionality
(No caption)	Product.SHORT_NAME

Caption	Description
Product Title	
Product Alerts	Any of the product using this page might have a “New” badge, which should appear under the product title. Because we needed to cut scope, we will not be implementing the “New” product alert in 7.5.0. Any of the subsystem products using the generic product detail page might have a “Member Only” product alert.
(No caption) Short description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_SHORT’. Users need to be aware that member-benefit subscriptions need to be described in the description, because member benefit subscriptions are given based on rate structure and rate code, which would make the page confusing.
Includes	<p>This is not depicted in the wireframe, but it is shown on the PCK user story (2.2.6). It is at the same level as “Additional Information” and should appear above “Additional Information”.</p> <p>Ideally, “Components” would be a separate control. Development of the control to display records from the Product_Component table may also be detailed in Susannah’s Meetings design, so the development should not be done twice.</p> <p>What will be displayed in the “Includes” section is the Product.SHORT_NAME for for each Product_Component.COMPONENT_PRODUCT_ID product where Product_Component.COMPONENT_PRODUCT_ID = Product.PRODUCT_ID and Product_Component.ACTIVE_FLAG = ‘Y’. The component product must meet the standard product selection criteria detailed in user story 1.7.</p> <p>The “Includes” heading should only appear if there are records in Product_Component for the product open in the Product Detail page. Otherwise, the control should not take up any space.</p> <p>List of products should be sorted in order by Product_Component.PRIORITY_SEQ.</p>
Additional Information	<p>Attachments control (see User Story 2.3)</p> <p>The “Additional Information” heading should only appear if there are records in Product_File for the product open in the Product Detail page. Otherwise, the control should not take up any space.</p>
Details	<p>This is not depicted in the wireframe. It is at the same level as “Additional Information” and should appear below “Additional Information”.</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_LONG’</p>
Reviews	Existing Marketing controls
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality in Marketing controls
I want to automatically renew my membership	When this is checked and the subscription order is created, Order_Detail.AUTO_PAY_METHOD_CODE is set to ‘CC’, a record is created in Order_Detail_CC_Info for the credit card used to pay for the

Caption	Description
	<p>membership (the token is stored), and Order_Detail. RENEW_TO_CC_FLAG is set to 'Y'</p> <p>This has already been implemented for simple membership.</p>
Price:	<p>Use existing logic.</p> <p>For MBR online access, displays pricing for each term (e.g., 1YR, 2YR): Display Product_Pricing.PRICE (Product_Pricing.RATE_CODE) where Product_Pricing.RATE_STRUCTURE = LIST and Product_Rate_Code.ACTIVE_FLAG = Y Order by Product_Rate_Code.SORT_ORDER</p> <p>Your Price: Allows a user to select a different Product_Pricing.RATE_CODE.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. Because we needed to cut scope, we will not be implementing the second approach for strikethrough pricing in 7.5.0.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY. Existing functionality
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality

Backoffice Product Setup > Product Central Screen > Membership Product

Product Maintenance | General Setup

Parent Product: AKC Product Code: A-MBR2 Product Name: A-MBR2

General Product Setup

Subsystem: Membership

Product Code: A-MBR2

Parent Product: AKC

Options

Master Product Returnable Allow Price Update

Available to Order Members Only Renewable

Zero Price One Price Only Has Assigned Sales Rep

Renew Components Include In Count Recalculate Renewal

Product Name: A-MBR2

Invoice Description: A-MBR2

Product Sub-Title:

Product Type: Individual Product

Product Class: Online Access

Product Status: Active

Currency Code:

Status Date: 2/23/2009

Available from: 1/1/2008

Available thru:

[Primary Search Group](#)

Membership Products

Primary Structure Detail

Level 1: Chapter Primary

Record Type: CHAP Include Zip Links

Zip Linked

Secondary Membership Reporting Structure

Level 2: 12

Level 3: 21

Description: A-MBR2

Associate Class:

Start Mask: Today

End Mask: One Year Plus

[Linked Customer](#) Desert Southwest Chapter

Other Membership Detail

Online Content URL:

A new field needs to be added to Mbr_Product called ONLINE_CONTENT_URL. Typically, URL fields are assigned the EMAIL_ADDRESS user-defined datatype, which is 100 characters long.

The group box and field should only be displayed if the product class code = 'ONLINE_ACCESS'.

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Other Membership Detail group box				
Online Content URL Mbr_Product. ONLINE_CONTENT_URL	The URL that the member uses to access the online content to which the membership entitles him.	No	When the member purchases the membership product that has a product class code of ONLINE_ACCESS, this information should be included in the email notification.	User is allowed to edit at any time, but edits only affect new orders.

Personify Notification Event

A notification event for online-access membership orders needs to include the Online Content URL. An online-access membership can be identified based on Product.SUBSYSEM = 'MBR' and

Product.PRODUCT_CLASS_CODE = 'ONLINE_ACCESS' and Mbr_Product.ONLINE_CONTENT_URL is not null.

The existing generic email notification for all orders should be updated so that either:

- The URL is included for online access products
- Or online access membership products are excluded from the generic order notification and a new notification event is created for online access membership products.

Product Class Code

A new MBR product class code should be created for ONLINE_ACCESS.

App Code Field	Value to be Set
SUBSYSTEM	MBR
TYPE	PRODUCT_CLASS
CODE	ONLINE_ACCESS
DESCR	Online Access
SYSTEM_FLAG	Y
DISPLAY_ORDER	1
SCREEN_RESTRICTION	NULL
PRIMARY_SUBCODE	NULL
ACTIVE_FLAG	Y
STATUS_CHANGE_DATE	Current date
AUTO_POPULATE_FLAG	N
AVAILABLE_TO_WEB_FLAG	Y
OPTION_1	NULL
OPTION_2	NULL
OPTION_3	NULL
SUBCODE_OPTION_1_REQD_FLAG	N
SUBCODE_OPTION_2_REQD_FLAG	N
SUBCODE_OPTION_3_REQD_FLAG	N
SUBCODE_OPTION_1_CAPTION	NULL
SUBCODE_OPTION_2_CAPTION	NULL
SUBCODE_OPTION_3_CAPTION	NULL
ADDOPER	Standard Personify system field
ADDDATE	Standard Personify system field
MODOPER	NULL
MODDATE	NULL
CONCURRENCY_ID	0
OPTION_4	NULL
PUBLIC_CODE_FLAG	N
OPTION_5	NULL
OPTION_6	NULL
CODE_OPTION_5_REQD_FLAG	N
CODE_OPTION_6_REQD_FLAG	N
CODE_OPTION_5_CAPTION	NULL
CODE_OPTION_6_CAPTION	NULL
ACCESSPOINT_CODE	NULL
USER_INSTRUCTION	NULL
HELP_TEXT	NULL

User Story 2.2.8 Umbrella Product Detail Page


FREE CLE for Members
Ethics Essentials for Successful Online Legal Marketing
Featuring Larry Bodine, Monday, 3/19, 1:00 p.m. ET
[Register Now](#)

My ABA | Join ABA | Shop ABA | Calendar | Member Directory

Search: [Go](#)

Welcome John | [Log Out](#)

Store Link | Store Link | Store Link | Store Link | Store Link | Store Link

MY CART  3

ABA Breadcrumb





Locked Down: Information Security for Lawyers 3 CLE

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet non nisi.
- Nulla varius ultricies enim ac porta.

Additional Information

Article: [Nullam gravida suscipit lorem, nec venenatis](#)

Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis.

Share:    

[Read All Reviews](#)
[Write a Review](#)

List Price: \$149.95
Your Price: \$129.95
Quantity:

Color:

Size:
 S M L XL

[Add To Cart](#)
[Save For Later](#)

Want to save more?
[Login](#) to see if you qualify for a lower rate!

Functional Design

On the Umbrella product detail page, the information that should be displayed is listed in the chart below.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Product Title	Product.SHORT_NAME
Product Alerts	An umbrella product may qualify for a number of product alerts; however, product alerts are not displayed on the umbrella product. When the user clicks to view one of the products in the set of products defined for the umbrella product, then the product alerts will display. See User Story 1.7 for the priority order in which INV product alerts should be listed.
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Available On	No pre-order information will be displayed on an umbrella product; when

Caption	Description
	the user clicks on a product in the set of products defined for the umbrella product, pre-order information will be displayed for that product. If the product is available for pre-order, when the user selects the product they want to order, then the date the product will be available is displayed. Displays Inv_Product.PREORDER_AVAILABLE_DATE
Additional Information	Attachments control (see user story 2.3)
Details	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'
Reviews	Existing Marketing Control
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price Member Price	<p>Uses existing logic to display price, except see the note below this chart about a correction needed for the way that umbrella product pricing has been implemented.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE.</p> <p>Umbrella pricing may need to be displayed as a range, if the products linked to the umbrella product have different pricing. Usually all of the products would have the same price, but it's possible that they won't. If the products have different pricing, then a range of prices should be displayed, showing the minimum price available for the rate structure for all products linked to the umbrella product, following by a dash and then the maximum price available for the rate structure for all products linked to the umbrella product.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. Only the default product rate code for the List/Your or List/Member rate structure should be displayed.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".</p>
Options	Product_Option.OPTION1_SUBCODE Product_Option.OPTION2_SUBCODE
Quantity	Allows direct editing of Order_Detail.ORDER_QTY.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality Place Pre-Order – the same functionality as Place Backorder
Want to Save More?	Existing control. Organizations should be able to add this control to the detail page if so desired.

Correction to Display of Umbrella Product Pricing

On page 52 of 104 of the first Product Listing design, the following details were documented by Nancy. But when the product detail page was documented, it shows something different. When the user selects the umbrella product, both the price at the top and the price near the quantity field is updated – only the price near the quantity should be updated. The price at the top is the unit price and should remain static.

From the original product listing design:

- 1.1.1. Price needs to display next to the selection (e.g. to the right of the quantity field) because users' eyes will not move back up to the top of the page
 - 1.1.1.1. Do not need to display this if there is no range
- 1.1.2. Range displayed on the top of the page does not need to change

User Story 2.3 Product Attachments

Requirement from MRD

In some cases, merchants want to provide direct access to files with more information about the product.

Business Process Scenario from MRD

- The system needs to be able to display links to one or more related files for products.
- The system should support the product manager being able to configure the displayed text, and to manage (upload, remove, replace) file attachments.
 - Ideally the system would support the files being stored in a Web server location, rather than in Personify where they are accessed from the DB server every time a user loads them.

Exception Business Scenarios and Caveats from MRD

- The system will not be expected to track any statistics related to file accesses, such as number of clicks, or which users accessed them.
- Generally speaking, it is expected that these would be documents such as PDF files, and that they would be no more than 5 megabytes, although the system should not restrict the file sizes.
- It is not expected that the system provide any file conversion or viewing capabilities; it would be up to the user to have the appropriate software.
- At this time it is not expected that Personify would provide any virus scanning capabilities.

Existing DNN Functionality from MRD

- This is not existing functionality.

Functional Design

Ideally, this should be implemented as a separate control so that organizations can decide whether to display related files it or not. The control will only be used on Product Detail pages. Development of this control is also detailed in Susannah's Meetings design, so the development should not be done twice.

The control will display Product_File.DISPLAY_NAME for Product_File records linked to the product in the Product Detail page where Product_File.PRODUCT_ID = PRODUCT_ID of product in Product Detail page and Product_File.ACTIVE_FLAG = Y and Product_File.WEB_ENABLED_FLAG = Y (new field). Files should be displayed in order by Product_File.SORT_ORDER.

Product Central > Related Files Page

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Related Files				
Move Up / Move Down buttons				
A new field is being added to Product_File called SORT_ORDER. The user won't edit this field directly; rather, the system will populate it based on it's position in the grid. The user is able to change the SORT_ORDER value by moving files up or down.				

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
(no caption; not visible) Product_File. SORT_ORDER	Identifies the order that files will be sorted when displayed on the web and in the back office.	Yes	An upgrade script will need to be provided to set this value, starting from 1 and incrementing by 1 for each file.	
Display Name: Product_File. DISPLAY_NAME (new field)	This is the name that will be displayed on the web.	Yes		File size should be 40 characters.
Active checkbox Product_File. ACTIVE_FLAG	Identifies that the file is active. This is an existing field but appears to have been misadvently left off the screen.	Yes		Default: Y Valid values: Y or N User can edit
Web Enabled checkbox Product_File. WEB_ENABLED_FLAG (new field)	Identifies whether the file will be displayed in the Product Detail page	Yes		Default: Y Valid values: Y or N User can edit

Product Detail Page Display

Additional Information

1 Sample Chapter: [Chapter 25: Lorem Ipsum dolor sit amet](#) 2

Duis vel vulputate augue. Nullam gravida suscipit lorem, venenatis velit accumsan et. 3

Table of Contents: [Product Name 1 - Subscription TOC](#)

Article: [Nullam gravida suscipit lorem, nec venenatis](#)

Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis.

The above is a sample of the Attachments control. In this sample, three related file records are being displayed. The information being displayed for each file is:

(1) App_Code.DESCR where App_Code.SUBSYSTEM = 'ORD' and App_Code.TYPE = 'FILE_TYPE' and App_Code.CODE = Product_File.FILE_TYPE_CODE

(2) Product_File.DISPLAY_NAME. This should be hyperlinked so that the user can click and have the file open.

(3) Product_File.DESCRPTION. If DESCRIPTION is null, it should not take up any space.

User Story 2.4 Bulk Pricing (Quantity-Based Discounts)

Requirement from MRD

Customers would like the ability to display quantity discounts within Product Detail page

Business Process Scenario from MRD

- If the product has discount levels based on quantity, there should be a display that shows those levels.
- The system would display the discounts in a simple table structure such as levels (1-10, 11-20) and then list and member pricings.

Exception Business Scenarios and Caveats from MRD

- This control would not show other discounts, only the levels assuming list pricing, and possibly member pricing, assuming those are simple calculations.

Existing DNN Functionality from MRD

- This is not existing functionality.

Functional Design

Manual for Technicians, 4th Edition

BACKORDER AVAILABLE

Author: [Susan Shore](#)

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet non nisi.
- Nulla varius ultricies enim ac porta.

Additional Information

Sample Chapter: [Chapter 25: Lorem ipsum dolor sit amet](#)

Table of Contents: [Product Name 1 - Subscription TOC](#)

Article: [Nullam gravida suscipit lorem, nec venenatis](#)

Purchase more and save:

Qty 5-9	Save 5%
Qty 10-24	Save 10%
Qty 25-49	Save 15%
Qty 50+	Save 20%

ABA's requirement can be accomplished using existing discount functionality.

In by Buy Box, the percentage discount should be displayed in the same way as is shown in the screen shot above.

The assumption is that discounts will be defined for a subsystem and product class code. In the 7.5.0 release, the display of quantity-based, discounted pricing will be limited to INV products. The quantity-discount would select records from Product_Discount where Product_Discount.QTY_FROM is not null and Product_Discount.QTY_FROM > 0 and Product_Discount.DISCOUNT_PERCENT is not null and Product_Discount.DISCOUNT_PERCENT > 0 and Product_Discount.ACTIVE_FLAG = Y and Product.ORG_ID, Product.ORG_UNIT_ID, Product.SUBSYSTEM and Product.PRODUCT_CLASS_CODE for the product open in the Product Detail Page = Product_Discount.ORG_ID, Product_Discount.ORG_UNIT_ID, Product_Discount.SUBSYSTEM and Product_Discount.PRODUCT_CLASS_CODE and Product.SUBSYSTEM = 'INV'..

The records would be sorted in ascending order by Product_Discount.DISCOUNT_PERCENT. The values to be displayed are:

<p>"Qty" + If Product_Discount.QTY_TO is not null then Product_Discount.QTY_FROM + "-" + Product_Discount.QTY_TO else Product_Discount.QTY_FROM + "+"</p>	<p>"Save" + Product_Discount.DISCOUNT_PERCENT + "%"</p>
--	---

3.0 Product Marketing

User Story 3.1 Top Seller Category

Requirement from MRD

Merchants often want to highlight products that they want to promote from a particular logical grouping.

Business Process Scenario from MRD

- The system should support a featured category promotional control (e.g., Top Sellers, New Products, etc.).
- The system could use Categories for grouping.

Exception Business Scenarios and Caveats from MRD

- Generally it is understood that customers would configure the associated web service to get the appropriate grouping, or create new ones if they want to have multiple featured category controls.
- The control simply returns the products to be featured based on that web service call.

Existing DNN Functionality from MRD

This is not existing functionality.

Functional Design

The current marketing control supports this functionality, so no development is needed.

User Story 3.2 Google Preview Control

Requirement from MRD

The system should support linking to a Google Preview control.

Business Process Scenario from MRD

- The system should support the ability to show a Google Book preview.
- Generally speaking, this should simply be a link to an existing Google Book preview, so ideally should only have to be able to send a unique product ID to the Google service, which will then provide the user with access to an image file, like a PDF.
- **ASHP Requirement:** This item needs to be delivered as part of the ASHP project implementation. This is not needed by ABA.
- **Research Note:** Additional research needs to be done on this functionality.
 -

Exception Business Scenarios and Caveats from MRD

- TBD
 -

Existing DNN Functionality from MRD

- This is not existing functionality.

Functional Design

Google provides a Google Book Preview wizard that is available to organizations to use. ASHP is already using this wizard, and desires that we implement this as a base feature. The best approach would be to implement this as a separate control, so that it can be added to pages.

It will only be used on a Product Detail page, and should only be visible if the product is a book with an ISBN number (i.e., Inv_Product.ISBN is not null) or a ECD product with an ISBN number (i.e., ECD_Product.ISBN is not null). To view information about a book using Google Book Preview, the system needs to pass the product's ISBN number to the book preview utility.

The developer needs to research this to understand the functionality and to make a decision about the best way to implement this feature. Ideally, clicking the Google Preview should open a new tab in the user's browser window.

The image for the Google Book Preview is:



The Google Preview needs to be available for INV products that have an ISBN number (Inv_Product.ISBN is not null), and for ECD Products. To support this for ECD products, we will need to add a new table called ECD_Product to hold a field called ISBN (varchar 20).

4.0 Subscriptions

User Story 4.1 Subscription Detail Page

Requirement from MRD

Customer should be able to view details associated with a subscription product.

Business Process Scenario from MRD

- The system should display the details of subscription products, such as:
 - Title
 - Description
 - Image
 - Frequency
 - Pricing
 - ISBN
 - Format
 - Available delivery methods
 - Cross-sell/up-sell
 - Package plans
 - Related articles
 - Featured article

Exception Business Scenarios and Caveats from MRD

- It is not expected that items such as Featured Article or Related Articles would be updated dynamically; staff would need to make changes to the subscription product to have that data change.

Existing DNN Functionality from MRD

This is existing functionality in DNN.

Functional Design

This user story is a duplicate of User Story 2.2.6.

User Story 4.2 Purchase Online Access

Requirement from MRD

Customer should also be able to purchase subscriptions online.

Business Process Scenario from MRD

- Customers should be able to purchase subscriptions.
- This should include the ability to buy online subscriptions (giving them access to subscription only content).
- The customer should be able to tell clearly how long their subscription is in effect for.
- We need to account for the changes that were made recently to online subscriptions for BPA audit purposes (see Patty for details).

Exception Business Scenarios and Caveats from MRD

- It is assumed that online subscriptions would be standard subscriptions, and the permission to access to those areas would be managed/synchronized separately.

Existing DNN Functionality from MRD

This is existing functionality in DNN. Customer should also be able to purchase subscriptions online.

- Customers should be able to purchase subscriptions.
- This should include the ability to buy online subscriptions (giving them access to subscription only content).
- The customer should be able to tell clearly how long their subscription is in effect for.
- We need to account for the changes that were made recently to online subscriptions for BPA audit purposes (see Patty for details).
- It is assumed that online subscriptions would be standard subscriptions, and the permission to access to those areas would be managed/synchronized separately.

Functional Design

Base APIs should handle purchasing a membership product, so no new functionality is required.

User Story 4.3 Access to Purchased Online Content

ABA would like the ability to sell access to content that is otherwise restricted for a particular time period. This is not entirely in scope but noted here and updated as more information is received.

Business Process Scenario from MRD

- We will need the ABA Design team to provide more information on this item as it comes strictly from ABA.
- [New] Need to provide the ability to differentiate between a regular membership product and a membership product that is strictly an online-access product so that the system can identify whether to take the customer through the Member Join process.

Exception Business Scenarios and Caveats from MRD

- TBD

Existing DNN Functionality from MRD

- This is not existing functionality.

Functional Design

The requirement to provide support for a product that delivers online access to certain areas of an organization's website can be managed with a membership product. The organization can use identity management to control access to the site based on customers with active MBR orders for the online access MBR product.

To identify a membership product as an online access product, the user should define the product class code for the product as "ONLINE_ACCESS". A new MBR product class code should be created and delivered with base for this code.

Because this is a membership product, it will be renewed with the customer's regular membership, and will go through the regular renewal workflow.

But users need a way to be able to purchase this outside of the regular join process. Online access products may be created in a non-primary member group, but it should be a master product, so users will be able to purchase it from a regular product listing page. Users should be able to just add the product to their cart and checkout.

Thank You / Order Summary Page

Presumably, this is documented in the Cart and Checkout design. For DCD/ECD purchases, online-access membership products and digital subscription products, users need to be able to access the online content to which the membership product gives them access by clicking a button or command link called "Access Now" that opens the page defined for DCD/ECD products, for online-access membership products (which is defined in Mbr_Product.ONLINE_CONTENT_URL) and for digital subscriptions (which is defined in Sub_Product.DIGITAL_SUBSCRIPTION_URL) from the Thank You / Order Summary page.

Cart and Checkout design will need to be updated to include information about the new Sub_Product.DIGITAL_SUBSCRIPTION_URL field.

My Profile Page

My Account

Demographics

Name & Demographics

Addresses

Username / Password

Special Needs

Biography

License Information

Membership & Participation

Membership Details

Committees

Education

Certifications

Transcripts

Educational Background

Communication

Contact Information

Emergency Contacts

Communication Preferences

Opt In/Out

Purchases

Digital Content

Online Access

Keyword/Order #:

Date Range: From: To: [Search](#) [Clear](#)

Order #	Title	Action	Order Date	Availability	Expires On
1234568000	Small Firm Resource Center	Access Now	05/1/2012	Available	10/1/2013
1234500000	Young Lawyers Resource Center	Access Now	06/11/2012	Repurchase	10/1/2013

Once the product has been purchased, a new control for digital content needs to be developed that will display DCD products, Online Access membership products and digital Subscription products, including digital subscriptions that customers are receiving as a member benefit.

On the left navigation bar, "Digital Content" should appear under the "Purchases" task group:

Screen/Field Cross-Reference

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
<p>Records in the grid should be sorted by order date in descending order, then by order number in descending order, so that the most recent purchase is first in the grid.</p> <p>Records displayed in this grid include four types of records:</p> <ul style="list-style-type: none"> Records from Order_Detail, Product where Order_Detail.PRODUCT_ID = Product.PRODUCT_ID and Order_Detail.SUBSYSTEM = 'MBR' and Product.PRODUCT_CLASS_CODE = 'ONLINE_ACCESS' and Order_Detail.LINE_STATUS_CODE = 'A' Records from Order_Detail, Sub_Product where Order_Detail.PRODUCT_ID = Sub_Product.PRODUCT_ID and Order_Detail.SUBSYSTEM = 'SUB' and Sub_Product.DIGITAL_FLAG = 'Y' and Order_Detail.LINE_STATUS_CODE = 'A' Records from Order_Detail, Product, Sub_Product, Order_Mbr_Subscription where 				

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
	Order_Detail.PRODUCT_ID = Product.PRODUCT_ID and Order_Detail.ORDER_NO = Order_Mbr_Subscription.ORDER_NO and Order_Detail.ORDER_LINE_NO = Order_Mbr_Subscription.ORDER_LINE_NO and Order_Mbr_Subscription.SUB_PRODUCT_ID = Sub_Product.PRODUCT_ID and Order_Detail.SUBSYSTEM = 'MBR' and Product.PRODUCT_CLASS_CODE <> 'ONLINE_ACCESS' and Order_Detail.LINE_STATUS_CODE = 'A' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and Order_Mbr_Subscription.TRANSFER_PRINT_DIGITAL_CODE <> 'T'			
	<ul style="list-style-type: none"> Records from Order_Detail where Order_Detail.SUBSYSTEM = 'ECD' and Order_Detail.LINE_STATUS_CODE = 'A' 			
Order Number	Order number of the order	Yes	Displays Order_Detail.ORDER_NO of the order line	
Title	Title of the purchased product	Yes	Displays Product.SHORT_NAME of purchased product	
Action		Displayed if order line is available.	See the section entitled "Action Logic" that follows this chart.	See logic defined in the section entitled "Action Logic" that follows this chart.
Order Date	Displays the order line order date	Yes	Displays Order_Detail.ORDER_DATE	
Availability	If the customer still can access the content, displays "Available", otherwise displays "No Longer Available"	Yes	See the section entitled "Availability Logic" that follows this chart.	
Expires On	For MBR and SUB products, displays the order line expiration date. For DCD/ECD products, displays the last day the file can be downloaded, if defined	For MBR and SUB order lines	For MBR and SUB products, displays Order_Detail.CYCLE_END_DATE. For DCD/ECD products, displays Order_Detail.ECD_Info.DOWNLOAD_UNTIL_DATE if not null; otherwise, leave blank	

- o Action Logic
- o DCD/ECD Products
- o "Access Now" – Only displayed if the user is still entitled to access the files; i.e., Availability is "Available". See "Availability Logic" below. The link will take the user to a page so that they can download files they haven't downloaded. The URL is probably identified in a website configuration item, but I have a question out to Aseem on this.
- o "Repurchase" – if the access to the files is no longer available, the "Repurchase" link should be displayed. This will add the product to the customer's cart.
- o Online Access MBR Products
- o "Access Now" – Only displayed if the membership is current; i.e., Availability is "Available". See "Availability Logic" below. Clicking the link takes the user to a page so that users can access the online content to which the membership product gives them

access. The URL for the web page is defined in Mbr_Product.ONLINE_CONTENT_URL for the purchased product, which is a new field being developed as part of user story 2.2.7. The organization will need to define an IMS role for web users who are allowed to access the page, and the IMS role will need to be defined for the MBR product, using the “Related Role” task.

- “Renew” – for release 1 of this functionality, we do not need to include a Renew command, because the MBR online access product will be included in the “My Memberships” control of the My Profile module, and can be renewed from there.
- Digital Subscription Products
- “Access Now” – Only displayed if the subscription is current; i.e., Availability is “Available”. See “Availability Logic” below. Clicking the link takes the user to a page so that users can access the digital publication home page to which the subscription product gives them access. The URL for the web page is defined in Sub_Product.DIGITAL_SUBSCRIPTION_URL for the purchased product, which is a new field being developed as part of user story 2.2.7.
- “Renew” – for release 1 of this functionality, we do not need to include a Renew command, because the MBR online access product will be included in the “My Memberships” control of the My Profile module, and can be renewed from there.
- Availability Logic
- For MBR “Online Access” and digital SUB order lines, display “Available” if $\text{Order_Detail.CYCLE_BEGIN_DATE} \leq \text{current date}$ and $\text{Order_Detail.GRACE_DATE} \geq \text{current date}$ and $\text{Order_Detail.FULFILL_STATUS_CODE}$ in ('A','G','N','X','T'); otherwise, display “No Longer Available”.
- For member-benefit subscriptions, display “Available” if $\text{Order_Detail.CYCLE_BEGIN_DATE} \leq \text{current date}$ and $\text{Order_Detail.GRACE_DATE} \geq \text{current date}$ and $\text{Order_Detail.FULFILL_STATUS_CODE}$ in ('A','G','N','X','T') and $\text{Order_Mbr_Subscription.OPTED_OUT_FLAG} = 'N'$. Display “Opted Out” if $\text{Order_Detail.CYCLE_BEGIN_DATE} \leq \text{current date}$ and $\text{Order_Detail.GRACE_DATE} \geq \text{current date}$ and $\text{Order_Detail.FULFILL_STATUS_CODE}$ in ('A','G','N','X','T') and $\text{Order_Mbr_Subscription.OPTED_OUT_FLAG} = 'Y'$. Otherwise, display “No Longer Available”.
- For ECD order lines, display “Available” if any record in Order_Detail_ECD_Info has $\text{Order_Detail_ECD_Info.STATUS} = 'AVAILABLE'$ where $\text{Order_Detail.ORDER_NO} = \text{Order_Detail_ECD_Info.ORDER_NO}$ and $\text{Order_Detail.ORDER_LINE_NO} = \text{Order_Detail_ECD_Info.ORDER_LINE_NO}$; otherwise, display “No Longer Available”.

Changes to ProductCentral for Subscription Products

Product Maintenance | General Setup

Parent Product: AGS Product Code: AGS Product Name: AGS Times

General Product Setup

Subsystem: Subscription

Product Code: AGS

Parent Product: AGS

Options

Master Product Returnable Allow Price Update

Available to Order Members Only Renewable

Zero Price One Price Only Has Assigned Sales Rep

Product Name: AGS TIMES

Invoice Description: AGS Times

Product Sub-Title:

Product Type: Individual Product

Product Class: Journal

Product Status: Active

Currency Code:

Status Date: 4/21/2010

Available from: 4/21/2010

Available thru:

[Primary Search Group:](#)

Subscription Products

Fulfill Type: Issue Based

Renew Window: 3 Month(s)

Start Issue Code: Current Issue

Default Grace Issues: 0

Ship Country: United States

Ship Location:

Can Change Start Date Print Edition

Can Change End Date Digital Edition

Update Transcript Service Provide Opt-Out of Digital Email Alert

ICN Code:

Frequency:

Online Digital Subscription URL:

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Subscription Products group box				
Online Digital Subscription URL Sub_Product. DIGITAL_SUBSCRIPTION_URL	The URL that the subscriber uses to access the digital subscription online.	No	When the member purchases the membership product that has a product class code of ONLINE_ACCESS, this information should be included in the email notification.	User is allowed to edit at any time if Sub_Product.DIGITAL_EDITION_FLAG = 'Y'

Notification Event

The "New Web Order" notification event should be modified to include the Mbr_Product.ONLINE_CONTENT_URL if the product is a MBR online access product or the Sub_Product.DIGITAL_SUBSCRIPTION_URL.

Documentation Note: Organizations should update the "New Membership", "Notify New Member Web", "Notify After New Membership" and "Notify After Member Renewal" notification events if they don't want those notifications generated for online access membership products.

Documentation Note

It is assumed that the organization will use IMS roles to control access to paid online content. The IMS Role should be defined on the product, using the Product_Related_Role table.

Appendix – Out of Scope User Stories

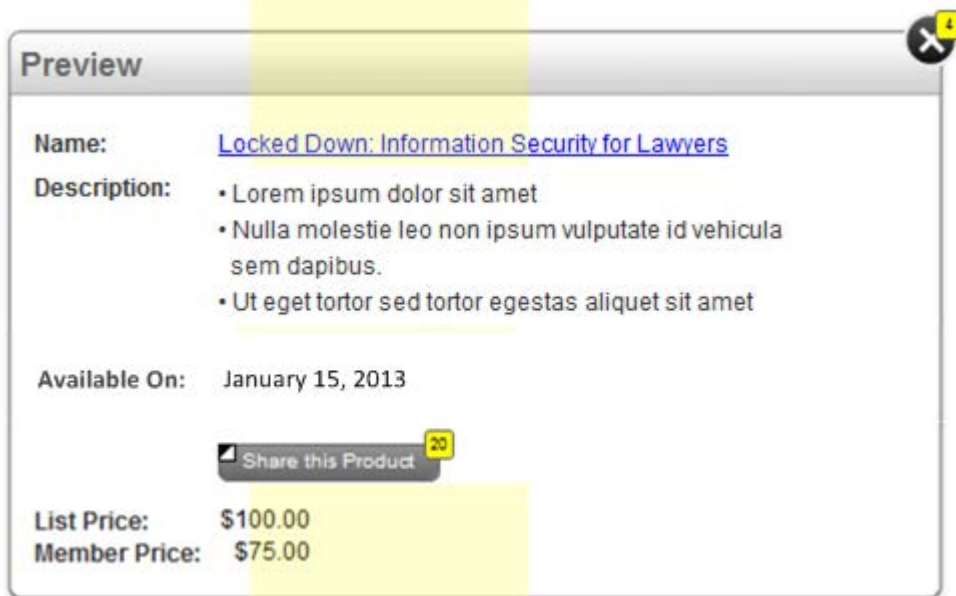
In version 7 of this document, the user stories listed below were substantially modified or removed.

User Story 1.6.2 Product Preview for DCD Products



Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'DCD'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
List Price:	Use existing logic, except that, if the product is priced by FILE, the literal "(per file)" needs to be appended (i.e., if Product.PRICING_METHOD_CODE = 'FILE').
Member Price:	If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

User Story 1.6.5 Product Preview for INV Products (Pre-Order)



Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'INV' and Product.AVAILABLE_DATE < Inv_Product.PREORDER_AVAILABLE_TO_SHIP_DATE and Inv_Product.PREORDER_AVAILABLE_TO_SHIP_DATE > current date and Inv_Product.ALLOW_BACKORDERS_FLAG = Y and sum(Inv_Product_Detail.AVAILABLE_QTY) = 0 and Product.PRODUCT_ID = Inv_Product.PRODUCT_ID and Product.PRODUCT_ID = Inv_Product_Detail.PRODUCT_ID
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Available On:	Inv_Product.PREORDER_AVAILABLE_TO_SHIP_DATE
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
List Price: Member Price:	Use existing logic. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

User Story 1.6.3 Product Preview for INV Products



Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'INV' and (Product.AVAILABLE_DATE = Inv_Product.PREORDER_AVAILABLE_TO_SHIP_DATE or Inv_Product.PREORDER_AVAILABLE_TO_SHIP_DATE <= current date) and Product.PRODUCT_ID = Inv_Product.PRODUCT_ID
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Share this Item:	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design. (Note: In the image, the button is labeled "Share this Product" but it should be labeled as "Share this Item".)
List Price: Member Price:	Use existing logic. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

User Story 1.6.7 Product Preview for Meeting Products

Preview 5

Name: [14th Annual Spring Conference for Committees](#)

Description:

- Lorem ipsum dolor sit amet
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet

Date/Time: October 12 - 14, 2013
8:00 AM - 5:00 PM ET

Location: Hyatt Regency Capitol Hill
Washington, DC

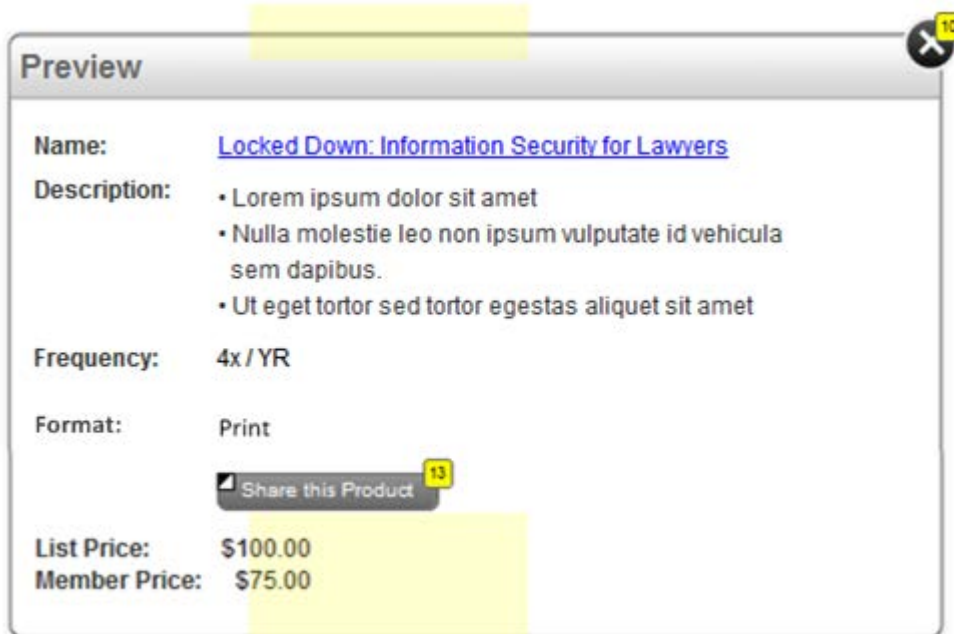
Add to Calendar 16
 Share this Event 17

List Price: \$100.00

Member Price: \$75.00

Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'MTG'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Date:	Details are contained in the ebusiness Meetings functional design.
Time:	Details are contained in the ebusiness Meetings functional design.
Location:	Details are contained in the ebusiness Meetings functional design.
Add to Calendar	Drop down that allows the user to select the type of calendar to which the event should be added. Functionality is documented in the ebusiness Meetings functional design.
Share this Event	Drop-down that allows the user to select to share this item via Facebook, Linked-In, Twitter or Pinterest. Details of this feature are contained in the ebusiness Meetings functional design.
List Price:	Use existing logic. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.
Member Price:	

User Story 1.6.9 Product Preview for Subscription Products



Item	Logic
Product Criteria:	Product.SUBSYSTEM = 'SUB'
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
Description:	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Frequency:	App_Code.OPTION_2 + "x/Year" for the default rate (Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = Y) where App_Code.SUBSYSTEM = SUB and App_Code.TYPE = RATE and App_Code.CODE = selected Product_Rate_Code.RATE_CODE and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = Y (See the section entitled "Supporting Display of Subscription Frequency Information" below this chart for more information about this.)
Format:	If Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Print/Digital' else if Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'N' and then 'Print' else if Sub_Product.PRINT_EDITION_FLAG = 'N' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Digital'
List Price:	Pricing is displayed for each term (e.g., 1YR, 2YR): Display Product_Pricing.PRICE (Product_Pricing.RATE_CODE) where Rate_Structure.DEFAULT_STRUCTURE_FLAG = Y and Product_Rate_Code.ACTIVE_FLAG = Y Order by Product_Rate_Code.SORT_ORDER.
Member Price:	Pricing is displayed for each term (e.g., 1YR, 2YR):

Item	Logic
	<p>Display Product_Pricing.PRICE (Product_Pricing.RATE_CODE) where Product_Pricing.RATE_STRUCTURE is the member rate structure (Rate_Structure.MEMBER_PRICE_FLAG = Y) and Product_Rate_Code.ACTIVE_FLAG = Y Order by Product_Rate_Code.SORT_ORDER</p> <p>For both prices, if the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.</p>

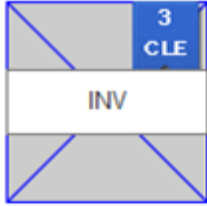
Supporting Display of Subscription Frequency Information

In order to support the display of frequency information for subscription products, the App_Code.OPTION_2 and App_Code.OPTION_3 columns for subscription rate codes will be used.

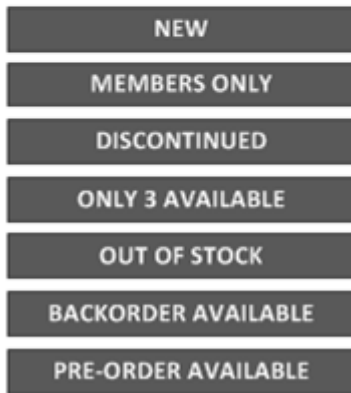
Set App_Type.CODE_OPTION_2_REQD_FLAG = 'N',
App_Type.CODE_OPTION_2_CAPTION = 'Issues Per Year'
Where App_Type.SUBSYSTEM = 'SUB'
And App_Type.TYPE = 'RATE'

For purposes of testing, App_Code.OPTION_2 should be set to 12 for App_Code records where App_Code.SUBSYSTEM = 'SUB' and App_Code.TYPE = 'RATE'.

User Story 1.7.2 Product Listing Metadata: Inventory Products



[Rosetta Stone: Unlocking the Fourth Circuit's Keywords Advertising Decision and Previewing Its Consequences](#)



List Price: \$119.00
Member Price: \$100.00

Functional Design

Selection Criteria for Inventory Products

In addition to the standard selection criteria detailed in user story 1.7, if the product is an INV product that is out of stock, and if the INV product is defined to not allow backorders (Inv_Product.ALLOW_BACKORDERS_FLAG = N) or if the product is defined to not display out-of-stock products (Inv_Product.WEB_DISPLAY_OUT_OF_STOCK_FLAG = N), then the product should not be selected for display in the Product Listing page. See User Story 2.1.1 for more information about implementing the new Inv_Product.WEB_DISPLAY_OUT_OF_STOCK_FLAG.

Product Listing Detail

Inventory products are displayed on the Product Listing page with the following information:

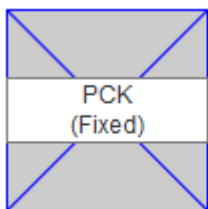
Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to Product Detail page for that product.
List Price: Member Price:	List Price and Member Price are displayed, along with Strikethrough Pricing if exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE.

Item	Logic
	If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Product Alerts

Product Alert	Logic
New	In the Product Listing Online Store configuration, if the user has entered a value for "New Release Months", the "New" product alert is displayed if Product.AVAILABLE_DATE + the number of months defined for "New Release Months" is less than the current date.
Member Only	If Product.MEMBERS_ONLY_FLAG = Y, the "Members Only" product alert is displayed.
Pre-Order Available	If the product is out of stock (Inv_Product_Detail.AVAILABLE_QTY (sum) = 0 for the product) and if Product.PREORDER_AVAILABLE_DATE to be > Product.AVAILABLE_DATE and if Product.PREORDER_AVAILABLE_DATE > current date, the product will show the "Pre-Order Available" product alert in the product listing.
Backorder Available	If the product is out of stock and if backorders are allowed (Inv_Product_Detail.AVAILABLE_QTY (sum) = 0 for the product and Inv_Product.ALLOW_BACKORDERS_FLAG = Y), the product will show the "Backorder Available" product alert. Note that this product alert would not be displayed if Out of Stock product alert is displayed.
Discontinued	If there is currently inventory available (Inv_Product_Detail.AVAILABLE_QTY (sum) > 0 for the product) and the Product.PRODUCT_STATUS_CODE = D, the product will show the "Discontinued" product alert.
Only X Available	If Inv_Product_Detail.AVAILABLE_QTY (sum) for the product <= Inv_Product.LIMITED_QTY_THRESHOLD, the "Only X Available" product alert will display, where X = Inv_Product_Detail.AVAILABLE_QTY for the product (sum)
Out of Stock	If the product is out of stock and if backorders are not allowed (Inv_Product_Detail.AVAILABLE_QTY = 0 for the product and Inv_Product.ALLOW_BACKORDERS_FLAG = N), the product will show the "Out of Stock" product alert. Note that this product alert would not be displayed if Backorder Available product alert is displayed.

User Story 1.7.5 Product Listing Metadata: Package Products



[ADR Advocacy, Strategies, and Practice for Intellectual Property](#)

List Price: \$30.00

Member Price: \$25.00

Functional Design

Selection Criteria for Package Products

An additional selection criteria for packages is that Product.PACKAGE_SELECTION_TYPE_CODE = FIXED.

Product Listing Detail

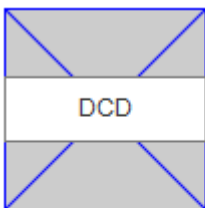
Package products are displayed on the Product Listing page with the following information:

Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
List Price: Member Price:	Use existing logic. List Price and Member Price are displayed, along with Strikethrough Pricing if exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Product Alerts

Product Alert	Logic
New	In the Product Listing Online Store configuration, if the user has entered a value for "New Release Months", the "New" product alert is displayed if Product.AVAILABLE_DATE + the number of months defined for "New Release Months" is less than the current date.
Member Only	If Product.MEMBERS_ONLY_FLAG = Y, the "Members Only" product alert is displayed.

User Story 1.7.7 Product Listing Metadata: DCD Products



[Locked Down: Information Security for Lawyers](#)

List Price: ~~\$100~~ Sale \$80

Member Price: ~~\$90~~ Sale \$50

Functional Design

Selection Criteria for Package Products

There are no exceptions to the standard selection criteria detailed in user story 1.7 for umbrella, MISC and CRT products.

Product Listing Detail

Meeting products are displayed on the Product Listing page with the following information:

Item	Logic
Name:	Product.SHORT_NAME. This should be hyperlinked so that, if the user clicks it, the user is taken to the product detail page for the product.
List Price: Member Price:	Use existing logic. List Price and Member Price are displayed, along with Strikethrough Pricing if exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.

Product Alerts

Product Alert	Logic
New	In the Product Listing Online Store configuration, if the user has entered a value for "New Release Months", the "New" product alert is displayed if Product.AVAILABLE_DATE + the number of months defined for "New Release Months" is less than the current date.
Member Only	If Product.MEMBERS_ONLY_FLAG = Y, the "Members Only" product alert is displayed.

User Story 1.8.1 Notify Me When Available

Background

The "Notify Me When Available" user story came out of the "Pre-Order" user story (1.8). The requirements for pre-order included requirements for the functionality we're now calling "Notify Me When Available". It was cleaner to separate the two user stories.

Functional Design

If a product is either a pre-order product (see user story 1.8) or out of stock, the option to "Notify Me When Available" should be provided on both the product listing page and on the product detail page. If the user is not logged in when they click this button, a pop-up login should be presented so that the user can login.

Once the user is logged in, if/when the user clicks "Notify Me When Available", a record should be created in the DNN shopping cart table. A new flag should be added to that table called "NotifyWhenAvailableFlag", and that should be set to Y.

A record also needs to be created in Cus_Activity, as follows:

Cus_Activity Field	Value to be Set
CUS_ACTIVITY_ID	system-generated ID

Cus_Activity Field	Value to be Set
ORG_ID	ORG_ID of website
ORG_UNIT_ID	ORG_UNIT_ID of website
MASTER_CUSTOMER_ID	Customer.MASTER_CUSTOMER_ID of logged in user
SUB_CUSTOMER_ID	Customer.SUB_CUSTOMER_ID of logged in user
SUBSYSTEM	INV
ORDER_NO	NULL
ORDER_LINE_NO	NULL
LETTER_ID	NULL
ACTIVITY_DATE	current date
ACTIVITY_CODE	NOTIFY_WHEN_AVAILABLE (new App_Code)
ACTIVITY_SUBCODE	NULL
ACTIVITY_TEXT	Notify customer when [Product.PRODUCT_SHORT_NAME] ([Product.PRODUCT_ID]) is available.
ADDRESS_LABEL	NULL
CALL_TYPE_CODE	NULL
CALL_TOPIC_CODE	NULL
CALL_TOPIC_SUBCODE	NULL
PERSON_CONTACTED	NULL
STAFF_USER_ID	NULL
RESOLVED_FLAG	Y
REFERENCE_MAST_CUST	NULL
REFERENCE_SUB_CUST	NULL
FOLLOWUP_DATE	NULL
FOLLOWUP_ACTION_DATE	NULL
PARENT_ACTIVITY_ID	NULL
COMMENTS	NULL
KEY_CODE	NULL
MARKET_CODE	NULL
LIST_CODE	NULL
PROSPECT_ID	NULL
DETAIL_DISPLAY_FLAG	N
ADDOPER	standard system field
ADDDATE	standard system field
MODOPER	NULL
MODDATE	NULL
CONCURRENCY_ID	0
BILL_MASTER_CUSTOMER_ID	NULL
BILL_SUB_CUSTOMER_ID	NULL
EMPLOYER_MAST_CUST	execute base logic for populating this field
EMPLOYER_SUB_CUST	execute base logic for populating this field
CUSTOMER_CLASS_CODE	execute base logic for populating this field
CUSTOMER_STATUS_CODE	execute base logic for populating this field
PARENT_PRODUCT	Product.PARENT_PRODUCT
PRODUCT_CODE	Product.PRODUCT_CODE
RATE_STRUCTURE	NULL
RATE_CODE	NULL
BASE_TOTAL_AMOUNT	NULL
PRIVATE_CONTACT_FLAG	N
ORDER_QTY	0
RESOLVED_DATE	current date/time
CUS_ACTIVITY_MSG_ID	NULL

Cus_Activity Field	Value to be Set
COM_COMMITTEE_MEMBER_ID	NULL
COMMITTEE_POSITION_CODE	NULL
COMMITTEE_POSITION_SUBCODE	NULL
COMMITTEE_TERM_BEGIN_DATE	NULL
COMMITTEE_TERM_END_DATE	NULL
REPRESENTING_MAST_CUST	NULL
REPRESENTING_SUB_CUST	NULL
ABS_SUBMISSION_ID	NULL
AUTHOR_ROLE_CODE	NULL
PLAN_ID	NULL
NTS_SENT_MESSAGE_UNIQUE_ID	NULL (but the system will set this when the email is generated)
OUTLOOK_CONVERSATION_ID	NULL
OUTLOOK_ACTIVITY_ID	NULL
FND_PROSPECT_MOVES_PLAN_ID	NULL
FND_PROSPECT_MOVES_PLAN_TASK_NAME	NULL
FUND	NULL
CAMPAIGN	NULL
APPEAL	NULL
FND_APPEAL_ACTIVITY_ID	NULL
APPEAL_ACTIVITY_CODE	NULL
EMAIL_HEADER	NULL
EMAIL_FILE	NULL
RESOLUTION	NULL
ON_BEHALF_MAST_CUST	NULL
ON_BEHALF_SUB_CUST	NULL
MKT800_EMAIL_MESSAGE_CODE	NULL
CUS_Household_ID	NULL
MKT800_STD_LETTER_FILE_NAME	NULL
LIST_SEGMENT	NULL

Notification Event

A notification event needs to be defined so that the customer is sent an email when the product has inventory available. When the notification is sent, the system should update Cus_Activity. NTS_SENT_MESSAGE_UNIQUE_ID with the unique ID of the message sent.

NTS_Notification Column	Value to be Set
NOTIFICATION_ID	System-generated
ORG_ID	App_Org_Unit.ORG_ID of each org unit defined in database
ORG_UNIT_ID	App_Org_Unit.ORG_UNIT_ID of each org unit defined in database
SUBSYSTEM	INV
NOTIFICATION_NAME	Notify When INV Product Is Available
NOTIFICATION_DESCRIPTION	Generates an email notification to each customer who has requested to be notified when a product is available
SP_NAME	usp_Notify_Customer_When_INV_Product_Available
INTERVAL_DAYS	0
INTERVAL_HOURS	0
INTERVAL_MINUTES	0
INTERVAL_SECONDS	30
POSTPROCESS_SPNAME	developer to define

NTS_Notification Column	Value to be Set
CLEANUP_SPNAME	usp_Notify_Customer_When_INV_Product_Available_Change_Cleanup
CLEANUP_INTERVAL_DAYS	0
CLEANUP_INTERVAL_HOURS	0
CLEANUP_INTERVAL_MINUTES	0
CLEANUP_INTERVAL_SECONDS	60
ACTIVE_FLAG	Y
TEST_MODE_FLAG	developer to define
PROCESS_RUNNING_FLAG	developer to define
EMAIL_HEADER_ID	developer to define
EMAIL_FOOTER_ID	developer to define
EMAIL_SUBJECT	[Product.SHORT_NAME] + " is in stock and available for purchase"
EMAIL_TEMPLATE_BODY	Developer needs to define based on notification template shown below
EMAIL_FROM_ADDRESS	SOMETHING@TMARESOURCES.COM (Customer needs to change)
EMAIL_CC_ADDRESS	SOMETHING@TMARESOURCES.COM (Customer needs to change)
EMAIL_BCC_ADDRESS	SOMETHING@TMARESOURCES.COM (Customer needs to change)
EMAIL_REPLY_TO_ADDRESS	SOMETHING@TMARESOURCES.COM (Customer needs to change)
SAVE_COPY_OF_MESSAGE_FLAG	N
LASTRUN	NULL
SERVICE_QUEUE	NULL
SEND_HISTORY_STORAGE_DAYS	developer to define
SINGLE_ORG_UNIT_FLAG	Y
ADDOPER	standard system field
ADDDATE	standard system field
MODOPER	NULL
MODDATE	NULL
CONCURRENCY_ID	0
CREATE_ACTIVITY_FLAG	Y
NOTIFICATION_ACTIVITY_CODE	NULL
NOTIFICATION_ACTIVITY_SUBCODE	NULL
CREATE_CONTACT_TRACKING_FLAG	N
NOTIFICATION_CALL_TOPIC_CODE	NULL
NOTIFICATION_CALL_TOPIC_SUBCODE	NULL
NOTIFICATION_STAFF_ASSIGNED	NULL
NOTIFICATION_CALL_TYPE_CODE	NULL
NOTIFICATION_RESOLVED_FLAG	developer to define
WORKFLOW_ENABLE_FLAG	N
WORKFLOW_ENABLED_FLAG	N
WORKFLOW_KEY	NULL

Notification Email Template

Email To:	Customers with a record in Cus_Activity where ACTIVITY_CODE = 'NOTIFY_WHEN_AVAILABLE' and Cus_Activity.NTS_SENT_MESSAGE_UNIQUE_ID is null and Cus_Activity.PARENT_PRODUCT
------------------	---

	= Product.PARENT_PRODUCT and Cus_Activity.PRODUCT_CODE = Product.PRODUCT_CODE and Product.SUBSYSTEM = 'INV' and Product.PRODUCT_ID = Inv_Product_Detail.PRODUCT_ID and sum(Inv_Product_Detail.AVAILABLE_QTY) >) and
Body of Email	<p>The item you expressed interest in -- [Product.SHORT_NAME] -- is in stock and available for purchase.</p> <p>A picture of the item should be inserted in the email from Product_Web_Control. LARGE_IMAGE_FILE_NAME. The image should be hyperlinked to Product_Related_Link.URL where Product_Related_Link.URL_TYPE_CODE = 'PRODUCT_DETAIL_PAGE' and Product_Related_Link.WEB_ENABLED_FLAG = 'Y' and Product_Related_Link.ACTIVE_FLAG = 'Y' and Product_Related_Link.PRODUCT_ID = Product.PRODUCT_ID and Product.PARENT_PRODUCT = Cus_Activity.PARENT_PRODUCT and Product.PRODUCT_CODE = Cus_Activity.PRODUCT_CODE and Product.SUBSYSTEM = 'INV'</p>

User Story 1.9 Mass Update of Sale Pricing

Requirement from MRD

Customers should be able to update a group of products on sale all at once based on some grouping structure, such as product category or topic.

Business Process Scenario from MRD

- ABA wants to be able to put product groups (i.e. all tax products) on sale - right now there is no easy way of doing that.
- This was originally intended as a customization and we agreed to do this as a base solution.
- The ABA team should be consulted on the approach that was estimated.

Exception Business Scenarios and Caveats from MRD

- This will actually be back office functionality, but impacts pricing that will appear on-line.

Existing DNN Functionality from MRD

- This is not existing functionality.

Functional Design

ABA occasionally puts everything in their online store on sale for a brief period of time. On the product listing page and product detail page, they want to be able to show the real price as a strikethrough price and the discounted price as the real sales price. The functionality of our current strike-through pricing will not meet their needs.

Our first proposal was to create a batch process to create new pricing records, but after talking with ABA, they do not want a batch process.

Currently, according to developers, it is too much overhead to display discounted pricing on the product listing page or product detail page. Also, users may not even be logged in, so it is not possible for the system to be able to identify what discounts the customer might be entitled to.

An alternative approach would be to add a few new sales-price configuration options on the product listing page and the product detail page to allow the organization to define a temporary discount for the MEMBER price and the LIST price. For customers to actually get the discounted price on checkout, the organization will need to define actual discounts or coupons.

Configuration Page for Product Listing Page Control

Choose your control

Your control description

Shows the product listing including search and paging.

Your control settings

Width	<input type="text" value="650"/>
Search Button Text	<input type="text" value="Go"/>
Search Text Width	<input type="text" value="300"/>
Number of Columns	<input type="text" value="3"/>
Search Title	<input type="text"/>
Product Detail Url	<input type="text" value="PRODUCTDETAILS"/>
Product Meeting Url	<input type="text"/>
Inventory Product Url	<input type="text"/>
Digital Product Url	<input type="text"/>
Member Product Url	<input type="text"/>
Subscription Product Url	<input type="text"/>
Transcript Product Url	<input type="text"/>
Misc Product Url	<input type="text"/>
Certification Product Url	<input type="text"/>
Fundraising Product Url	<input type="text"/>
Package Product Url	<input type="text"/>
ProductId URL Parameter	<input type="text" value="productId"/>
Stock Threshold	<input type="text" value="Limited Quantity"/>
Image Directory	<input type="text" value="PRODUCTIMAGES"/>
Error Message	<input type="text"/>
Product ID(s)	<input type="text"/> ?
Subsystem Code(s)	<input type="text"/> ?
Product Class Code(s)	<input type="text"/> ?
Category Code(s)	<input type="text"/> ?
New Release Months	<input type="text"/> ?
Exclude Non-Master Products	<input type="text" value="Yes"/> ?
Exclude Primary Mbr Group	<input type="text" value="Yes"/> ?
Members Only	<input type="text" value="Yes"/> ?
Member Discount Percent	<input type="text"/> ?
List Discount Percent	<input type="text"/> ?
Discount Begin Date	<input type="text"/> ?
Discount End Date	<input type="text"/> ?
Discount Market Code	<input type="text"/> ?
Coupon Code	<input type="text"/> ?

Configuration Page for Product Detail Page Control

Choose your control Personify.WebControl: ▾

Your control description

Shows the product detail and allows the user to add the product to their cart.

Your control settings

Stock Threshold Limited Quantity ▾

Login URL ▾

Membership Join URL ▾

Contact Us URL ▾

All Reviews URL If Other Page ▾

Create Review URL ReviewPageURL ▾

ProductId URL Parameter productId

View Cart Page URL ShoppingCart ▾

Checkout Page URL CHECKOUTURL ▾

Show Share MailTo Link

Show Share Facebook Link

Show Share Twitter Link

Show Share LinkedIn Link

Twitter Message Text Check this out!

MailTo Email Text Take a look at [PRODUC

Donation Amounts 25,50,100,250,500

Image Directory ProductImages ▾

Member Discount Percent ▾ ?

List Discount Percent ▾ ?

Discount Begin Date ▾ ?

Discount End Date ▾ ?

Discount Market Code ▾ ?

Coupon Code ▾ ?

Save Cancel Load Default

Discount Configuration Options for Product Listing Page and Product Detail Page		
Control Type and Caption	Field	Description
Text Box		A numeric value should be entered that represents the percentage that the real MEMBER price should be discounted on the product listing page. Enter 10 for the price to be discounted
Member Discount Percent		

Discount Configuration Options for Product Listing Page and Product Detail Page		
Control Type and Caption	Field	Description
		10 percent. The value entered here is divided by 100. If a value is entered here, the control should ignore Product_Pricing.DISPLAY_SALE_PRICE_FLAG. Rather, the real MEMBER price (i.e., Product_Pricing.PRICE) should be displayed as a strikethrough price and the system should calculate and display the “real” price as Product_Pricing.PRICE minus (Product_Pricing.PRICE times (MEMBER_DISCOUNT value divided by 100)).
Text Box List Discount Percent		A numeric value should be entered that represents the percentage that the real LIST price should be discounted on the product listing page. Enter 10 for the price to be discounted 10 percent. The value entered here is divided by 100. If a value is entered here, the control should ignore Product_Pricing.DISPLAY_SALE_PRICE_FLAG. Rather, the real LIST price (i.e., Product_Pricing.PRICE) should be displayed as a strikethrough price and the system should calculate and display the “real” price as Product_Pricing.PRICE minus (Product_Pricing.PRICE times (MEMBER_DISCOUNT value divided by 100)).
Date Control Discount Begin Date		The date the calculation and display of strikethrough and discount pricing should start. TIME should be set as 00:00:00.000.
Date Control Discount End Date		The date the calculation and display of strikethrough and discount pricing should start. TIME should be set as 00:00:00.000.
Text Box Discount Market Code		If the discount is tied to a market code, the market code can be shown and displayed on the page, so that users know what promo code to enter at checkout. The help text will explain that the organization should only use the discount market code or the coupon code, not both.
Text Box Coupon Code		If the discount is to be given on the order via a coupon, the coupon code can be shown and displayed on the page, so that users know what promo code to enter at checkout. The help text will explain that the organization should only use the discount market code or the coupon code, not both.

Display of Strikethrough Pricing

When current discount information has been defined for the product listing page control or the product detail page control (i.e., where “List Discount Percent” or “Member Discount Percent” is not null and “Discount Begin Date” <= current date and (“Discount End Date” is null or “Discount End Date” >= current date), then the system should ignore Product_Pricing.COMPARISON_AMOUNT and should instead display strikethrough pricing as follows:

The current Product_Pricing.PRICE should be displayed as the strikethrough price, and the new price that should be displayed is the current Product_Pricing.PRICE times (100 percent minus the specified discount percent).

Passing Market Code or Coupon Code to the Cart as the Promo Code

If a market code or coupon code is defined as part of the sales-price configuration in the web controls, and if the setup is current (i.e., Discount Begin Date <= current date and (Discount End Date is null or Discount End Date >= current date), the Market Code or Coupon Code should be passed to the shopping cart as the promo code.

User Story 2.1.2 Display of Meeting Products

Requirement from MRD

Merchants want to be able to control whether meetings that are waitlisted are displayed or not.

Business Process Scenario from MRD

- Merchants should be able to control whether sold-out meetings or courses are displayed on the web site.
- In some cases, merchants want to display the number of seats that are available for a dinner or event to help drive demand.
- Merchants should be able to set a threshold inventory at which “only X seats available” type of messaging would be displayed.

Exception Business Scenarios and Caveats from MRD

- It is not expected that this would be managed on a product by product basis, but would be a system wide setting, unless such values were already available at the product or product class level in Personify.

Existing DNN Functionality from MRD

This is not existing functionality.

Functional Design

Organizations need to be able to define whether waitlisted meetings and courses should display on the web. To support this requirement, the organization will be able to define a default “Display Waitlisted Meetings” parameter setting at the org unit level, which will default into the MTG product, where it can be changed.

Also, when a meeting is reaching low capacity, organizations want to display a “limited seats” message. Because the threshold can vary greatly between products, this needs to be able to set at the product level.

Organizational Unit Maintenance | Meeting Parameters

Organization: NASE
 Org Unit:

Meeting Capacity Control

Commit Meeting Inventory for Proforma Orders

e-Business Defaults

Default Display Out-of-Waitlist Meetings

Default Limited Seating Threshold:

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
e-Business Default Group Box				
Default Display Out of Waitlist Meetings App_Org_Unit. DEFAULT_MTG_ WEB_DISPLAY_OUT_OF_ WAITLIST_FLAG (new field)	Identifies the default behavior related to displaying out of waitlist MTG product on the product listing page.	Y	When a new MTG product is created, the value defined here defaults into Mtg_Product. WEB_DISPLAY_OUT_OF_WAITLIST_FLAG, where it can be changed.	Default to Y Valid values are Y or N User is allowed to edit, but changes only affect new MTG products.
Default Limited Seats Threshold App_Org_Unit. DEFAULT_MTG_LIMITED_SEATS_THRESHOLD	Identifies the default available-seating level at which customers will start seeing a "Limited Seats Available" message on the web	Y	When a new MTG product of product type M, S, COURSE or EXAMPROCT is created, the value defined here defaults into Mtg_Product. LIMITED_SEATS_THRESHOLD, where it can be changed.	Default to 0 User is allowed to edit, but changes only affect new products.

Product Maintenance | eBusiness Control

Parent Product: A-MTG1 Product Code: A-MTG1 Product Name: A-MTG1

eBusiness Control Setup Summary

Add eBusiness Control

Display Settings

<input type="checkbox"/> Display on Web	Web Display Dates:	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Add to Cart	Product URL:	<input type="text"/>	
<input type="checkbox"/> Allow Bill-Me	Web Shipping Message:	<input type="text"/>	
Limited Seats Threshold:		<input type="text"/>	

Promotional Settings

<input type="checkbox"/> Featured Product	Featured Product Dates:	<input type="text"/>	<input type="text"/>	Sort order:	<input type="text"/>
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Brief Description Text:

Long Description Text:

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Display Settings				
Limited Seats Threshold:	Identifies the available-capacity level at which web users will see the "Limited Seats Available" product alert	No	When the product is created, this field is set to App_Org_Unit.DEFAULT_MTG_LIMITED_SEATS_THRESHOLD	Only visible for MTG products

Upgrade Scripts

A script needs to be provided to update App_Org_Unit.DEFAULT_MTG_WEB_DISPLAY_OUT_OF_WAITLIST_FLAG. It should be set to 'Y' (either that, or it can be defined to default to Y at the database level).

A script needs to be provided to update Mtg_Product.WEB_DISPLAY_OUT_OF_WAITLIST_FLAG. It should be set to N for all products where Product.SUBSYSTEM <> 'INV'. If Product.SUBSYSTEM = 'INV' and Inv_Product.ALLOW_BACKORDERS_FLAG = 'N', it should be set to 'N'. If Product.SUBSYSTEM = 'INV' and Inv_Product.ALLOW_BACKORDERS_FLAG = 'Y', it should be set to 'Y'.

User Story 2.2.8 Miscellaneous Product Detail Page

ABA
AMERICAN BAR ASSOCIATION

My ABA | Join ABA | Shop ABA | Calendar | Member Directory

Search:

Welcome John | [Log Out](#)

Store Link | Store Link | Store Link | Store Link | Store Link | Store Link

MY CART

ABA Breadcrumb

Locked Down: Information Security for Lawyers 3 CLE

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet non nisi.
- Nulla varius ultricies enim ac porta.

Additional Information

Article: [Nullam gravida suscipit lorem, nec venenatis](#)

Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis.

Share:

[Read All Reviews](#)
[Write a Review](#)

List Price: \$149.95
Your Price: \$129.95

Quantity:

Want to save more?

[Login](#) to see if you qualify for a lower rate!

[Members](#) saves \$25 [Join](#)

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis

Functional Design

On the Miscellaneous product detail page, the information that should be displayed is listed in the chart below.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Miscellaneous Product Title	Product.SHORT_NAME
Product Alerts	A miscellaneous product may qualify for New or a Member-Only product

Caption	Description
	alert. See User Story 1.7 for the priority order in which product alerts should be listed.
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Includes	<p>Ideally, "Components" would be a separate control.</p> <p>The "Includes" heading should only appear if there are records in Product_Component for the inventory product. Otherwise, the control should not take up any space.</p> <p>Records from Product_Components should be listed. Product.SHORT_NAME of each Product Component. List of products should be sorted in order by Product_Component.PRIORITY_SEQ.</p>
Additional Information	Attachments control (see user story 2.3)
Details	<p>(Use the word "Item instead of "Product")</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'</p>
Reviews	<p>(Use the word "Item instead of "Product")</p> <p>Existing Marketing Control</p>
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price	<p>Uses existing logic to display price.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.</p> <p>If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".</p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality
Want to Save More?	Existing control

User Story 2.2.9 Certification Product Detail Page

The screenshot shows the ABA website header with navigation links (My ABA, Join ABA, Shop ABA, Calendar, Member Directory) and a search bar. The main content area features a large image placeholder labeled 'A' and a list of bullet points under the title 'Locked Down: Information Security for Lawyers'. Below the main image are three smaller image placeholders labeled 'A', 'B', and 'C'. To the right, there is a 'Share' section with social media icons, a 'Read All Reviews' and 'Write a Review' section, a pricing section showing a list price of \$149.95 and a 'Your Price' of \$129.95, a quantity selector set to 1, and 'Add To Cart' and 'Save For Later' buttons. A green banner at the bottom right asks 'Want to save more?' and provides a 'Login' link to see if the user qualifies for a lower rate, with a 'Members' link indicating a \$25 savings.

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis justo magna, posuere nec ultrices eget, posuere ac felis. Nullam et turpis justo. Donec bibendum erat eget lacus ornare viverra. Donec facilisis pharetra mattis.

Functional Design


On the Certification product detail page, the information that should be displayed is listed in the chart below.

Caption	Description
(No caption) Images	Existing functionality
(No caption) Certification Product Title	Product.SHORT_NAME
Product Alerts	A certification product may qualify for New or a Member-Only product alert. See User Story 1.7 for the priority order in which product alerts should be listed.
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Includes	Ideally, "Components" would be a separate control.

Caption	Description
	<p>The “Includes” heading should only appear if there are records in Product_Component for the inventory product. Otherwise, the control should not take up any space.</p> <p>Records from Product_Components should be listed. Product.SHORT_NAME of each Product Component. List of products should be sorted in order by Product_Component.PRIORITY_SEQ.</p>
Additional Information	Attachments control (see user story 2.3)
Details	<p>(Use the word “Item instead of “Product”)</p> <p>Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_LONG’</p>
Reviews	<p>(Use the word “Item instead of “Product”)</p> <p>Existing Marketing Control</p>
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price	<p>Uses existing logic to display price.</p> <p>Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE.</p> <p>If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price.</p> <p><i>If the price is locked into a single currency, that should be displayed below the pricing as “Currency Description” + “Only”; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + “ Only”.</i></p>
Quantity	Allows direct editing of Order_Detail.ORDER_QTY.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality
Want to Save More?	Existing control

User Story 2.2.10 Package Product Detail Page

ABA
Ethics Essentials for Successful Online Legal Marketing
Featuring Larry Bodine, Monday, 3/19, 1:00 p.m. ET
Register Now ▶




AMERICAN BAR ASSOCIATION

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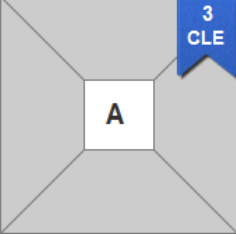
Search: Go




Welcome John | [Log Out](#)

[Store Link](#)
[Store Link](#)
[Store Link](#)
[Store Link](#)
[Store Link](#)
[Store Link](#)

MY CART  3

[ABA Breadcrumb](#)







Locked Down: Information Security for Lawyers

3 CLE

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla molestie leo non ipsum vulputate id vehicula sem dapibus.
- Ut eget tortor sed tortor egestas aliquet sit amet non nisi.
- Nulla varius ultricies enim ac porta.

Includes

- * CD1: Mark Robertson Q/A
- * CD2: Small Firm Attorney Tools
- * CD3: Law Student Tools
- * CD4: Retired Attorney Guide
- * Printed Course Materials
- * Leather Binder

Share:    

[Read All Reviews](#)
[Write a Review](#)

List Price: \$149.95
Your Price: \$129.95


Quantity:

Add To Cart

Save For Later

Want to save more?

[Login](#) to see if you qualify for a lower rate!

 [Members](#) saves \$25 [Join](#)

Product Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla molestie leo non ipsum vulputate id vehicula sem dapibus. Ut eget tortor sed tortor egestas aliquet sit amet non nisi. Nulla varius ultricies enim ac porta. Duis quam ipsum, auctor rutrum malesuada sed, dignissim in tortor. Duis iusto magna. nsnure nec ultrices eget. nsnure ac felis. Nullam et turpis iusto. Donec bibendum erat eget lacus ornare viverra. Donec facilisis

Caption	Description
(No caption) Images	Existing functionality
(No caption) Package Product Title	Product.SHORT_NAME
Product Alerts	<p>A package product may have a “New” product alert or a “Member Only” product alert, which should appear under the package product title. See User Story 1.7 for the priority order in which product alerts should be listed.</p> <p>Note that product alerts are only given for the package product itself, and not for components of the package</p>
Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = ‘WEB_SHORT’
Includes	<p>Ideally, “Components” would be a separate control.</p> <p>The “Includes” heading should only appear if there are records in Product_Component for the membership product. Otherwise, the control</p>

Caption	Description
	should not take up any space.
Savings	Nancy has a write-up for this. We want to display the amount a customer will save by purchasing the items in the package as opposed to purchasing each item separately.
Details	(Use the word "Item instead of "Product") Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'
Reviews	(Use the word "Item instead of "Product") Existing Marketing Control
Right side of screen	
Share	Existing functionality
Read All Reviews Write a Review	Existing functionality
List Price	Uses existing logic to display price, except that we also need to show the amount saved, which is the price of each product if purchased separately minus the package price. Strikethrough Pricing is also displayed, if it exists. There are two levels of strikethrough pricing logic. There is strikethrough pricing that has already been implemented using Product_Pricing.COMPARISON_PRICE and then strikethrough pricing logic as defined in User Story 1.9, which takes precedence over Product_Pricing.COMPARISON_PRICE. If the user is logged in, if the user is a member, should display List Price and Your Price. If the user is not a member, should display Your Price and Member Price. If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".
Quantity	Allows direct editing of Order_Detail.ORDER_QTY.
Action Buttons	Add to Cart – existing functionality Save for Later – existing functionality If the package contains INV products that are on backorder, need the Back-Order button and the Notify Me When Available button.
Want to Save More?	Existing control

User Story 2.5 Bulk Pricing (Quantity-Based Discounts)

Functional Design

Implementing this functionality will mean that core logic related to how Personify calculates pricing must change. The development team has estimated that making this change will result in a 10% performance penalty.

Having said that, because ABA has categorized this as a must-have, the recommended design is detailed as part of this user story. Developers are encouraged to study the proposed design and recommend changes that won't compromise the user experience but will deliver the required functionality.

The changes needed in Personify to support this feature include:

- Add a new QUANTITY_PRICING_FLAG to Product_Pricing. When this flag is set to Y, pricing will be obtained from Product_Pricing_Qty_Detail

To limit the impact that this change has throughout Personify, this feature will initially be limited to INV products, except for standing order products. In the future, consideration will be given to implementing this for SUB and MTG products, as well.

Developers have asked that we require that pricing for a quantity of 1 be required to be defined in Product_Pricing, to avoid having to modify unit tests.

This change will impact product returns and order transfers, which will need to be modified to consider quantity-based pricing.

Product Central > Inventory Products > Product Pricing

Product Maintenance | Rates and Pricing

Parent Product: A-INV1 Product Code: A-INV1 Product Name: A-INV1 Invoice

Valid Rate Structures And Rate Codes

Rate Code Details

Rate Structure: List Prices
 Rate Code: Standard
 Description: Standard
 Short Pay: Create Receivable
 Ship-Via:
 Agency Discount: 0.000 % Priority: 1
 Sales Commission: 0.000 %

Default Rate
 Web Enabled Rate
 Default Web Rate
 Waive Shipping

Pricing Detail

Currency: United States D Max Adjusted Price: 0.00
 Rate Structure: LIST Min Price to Activate: 0.00
 Rate Code: STD Max Auto Write-off: 0.00
 Price: 0.00 Fair Market Value: 0.00
 Valid from: 1/12/2009 Show as Web Sale Price?
 Valid thru: 2/7/2011 Strikethrough Price: \$0.00
 Quantity Pricing
[Quantity Pricing Detail](#)

Valid from	Currency	Price
01/12/2009	USD	0.00
02/08/2011	USD	0.06
07/14/2011	USD	12.00

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Pricing Detail section				
Quantity Pricing checkbox		N/A	When set to Y, enables the "Quantity Pricing Detail" command link; when set to	Y or N Currently, only being

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Product_Pricing. QUANTITY_ PRICING_FLAG (new field)			Y, sets all pricing fields in Product_Pricing to zero except for Strikethrough Price and Fair Market Value, other price fields are disabled. The pricing logic should check this flag; if QUANTITY_PRICING_FLAG = Y, the system should look to Product_Pricing_Qty_Detail to get the correct price for the order line.	implemented for INV products; in the future, may expand to MTG and SUB products
Quantity Pricing Detail command			When clicked, opens the PROD050_Quantity_Pricing_Detail modal screen	
Fair Market Value:			Allow the user to edit, even if QUANTITY_PRICING_FLAG is checked	
Strikethrough Price:			Allow the user to edit, even if QUANTITY_PRICING_FLAG is checked	

Product Central > PROD050 Quantity Pricing Detail Screen

This screen is opened when the user clicks the Quantity Pricing Detail command link.

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Product Information Header				
Parent Product	Displays the parent product of the product for which quantity pricing is being defined			Read-only
Parent Product	Displays the parent product of the product for which quantity pricing is being defined			Read-only
Quantity Pricing Detail Grid				
Min Qty Product_Pricing_Qty_Detail.MIN_QTY				Read-only
Max Qty Product_Pricing_Qty_Detail.MAX_QTY				Read-only
Unit Price Product_Pricing_Qty_Detail.PRICE				Read-only
Quantity Pricing Detail				
Min Qty Product_Pricing_Qty_Detail.MIN_QTY	The minimum quantity of the order line quantity range that is entitled to get the unit price	Y	When quantity pricing is being used, the system evaluates the order line quantity, and selects the unit price based on the minimum quantity and maximum quantity.	Quantity ranges cannot overlap and cannot have gaps
Max Qty Product_Pricing_Qty_Detail.MAX_QTY	The maximum quantity of the order line quantity range that is entitled to get the unit price	Y	When quantity pricing is being used, the system evaluates the order line quantity, and selects the unit price based on the minimum quantity and maximum quantity.	Quantity ranges cannot overlap and cannot have gaps
Unit Price Product_Pricing_Qty_Detail.PRICE	The unit price	Y	Functions just like Product_Pricing,PRICE, except that the price is selected based on the order line quantity	
Min Adjust: Product_Pricing_Qty_Detail.MIN_PRICE	The minimum amount that will be accepted		Functions just like Product_Pricing.MIN_PRICE	
Max Adjust: Product_Pricing_Qty_Detail.MAX_PRICE	The maximum amount that will be accepted		Functions just like Product_Pricing.MAX_PRICE	
WO Limit: Product_Pricing_	The short-pay is set to Adjust, this defines the		Functions just like Product_Pricing.WRITEOFF_TOLERANCE	

Screen Caption/ Table.FIELD Name	Description	Required?	Business Logic	Validations/Defaults
Qty_Detail. WRITEOFF_ TOLERANCE	minimum that must be paid, and the system will write-off the rest.			

Other Processing

Product returns will cause price recalculations. Updating order lines to increase the quantity will also cause price recalculations.

Note that customers may still use discounts.

User Story 3.1 Top Seller Category

Functional Design

The screenshot displays the ABA website interface. At the top, there is a banner for 'FREE CLE for Members' with the text 'Ethics Essentials for Successful Online Legal Marketing' and 'Featuring Larry Bodine, Monday, 3/19, 1:00 p.m. ET'. Below the banner is the ABA logo and navigation links: 'My ABA', 'Join ABA', 'Shop ABA', 'Calendar', and 'Member Directory'. A search bar is located on the right, with a 'Go' button and a 'Welcome John | Log Out' message. Below the navigation is a row of 'Store Link' buttons and a 'MY CART' icon with a '3' in a red circle. The main content area is divided into two sections. On the left is a 'Narrow by...' sidebar with two categories: 'Product Type' and 'Topics'. The 'Product Type' category lists various items with counts: Publications (25), Books (20), Subscriptions (2), Journals (3), Events (22), Live/In Person (3), Conference (5), Teleconference/Webinars (14), Merchandise (35), Apparel (20), Drinkware (1), Accessories (14), Other Areas (10), Donations (4), Membership (3), and Education (3). The 'Topics' category lists: Finance (47), Taxes (42), GAAP (3), Receipts (2), Human Resources (27), Equity Issues (1), Hiring (10), and Firing (16). The main content area is a large rectangle with a diagonal cross and the text 'STORE LANDING PAGE'. Below this is a 'Top Sellers' section with three product cards. Each card has a placeholder image with a diagonal cross, a title ('Top Product 1', 'Top Product 2', 'Top Product 3'), and pricing information: 'List Price: \$150' and 'Member Price: \$100'. Navigation arrows are visible on the left and right sides of the product cards.

First, to provide some background, after some discussion regarding “Top Sellers”, it was revealed that “Top Sellers” does not necessarily (or even usually) mean actual top sellers. Rather, a top seller is often a product that the organization is interested in promoting.

Another barrier to implementing “Top Sellers” as actual “top sellers” is that there is no standard definition. Does “Top Sellers” mean the product with the highest sales in dollars? If yes, then over what period of time? Is it over the last week, the last month, for the current year or over the last 12 months?

Alternatively, “top sellers” might mean products with the largest sales in terms of quantity. Again, the question of time line also needs to be considered.

Because of this, we are advising our customers to decide for themselves what qualifies as a top-seller. A data analyzer query can be run to identify products with the largest sales in dollars or based on quantity. With the reports, the organization can then define the products they want to show up as “Top Sellers” by using a new product category code of “TOP_SELLER”. If the organization desires to have the products sorted in a specific order, category codes such as TOP_SELLER01, TOP_SELLER02, etc. can be used.

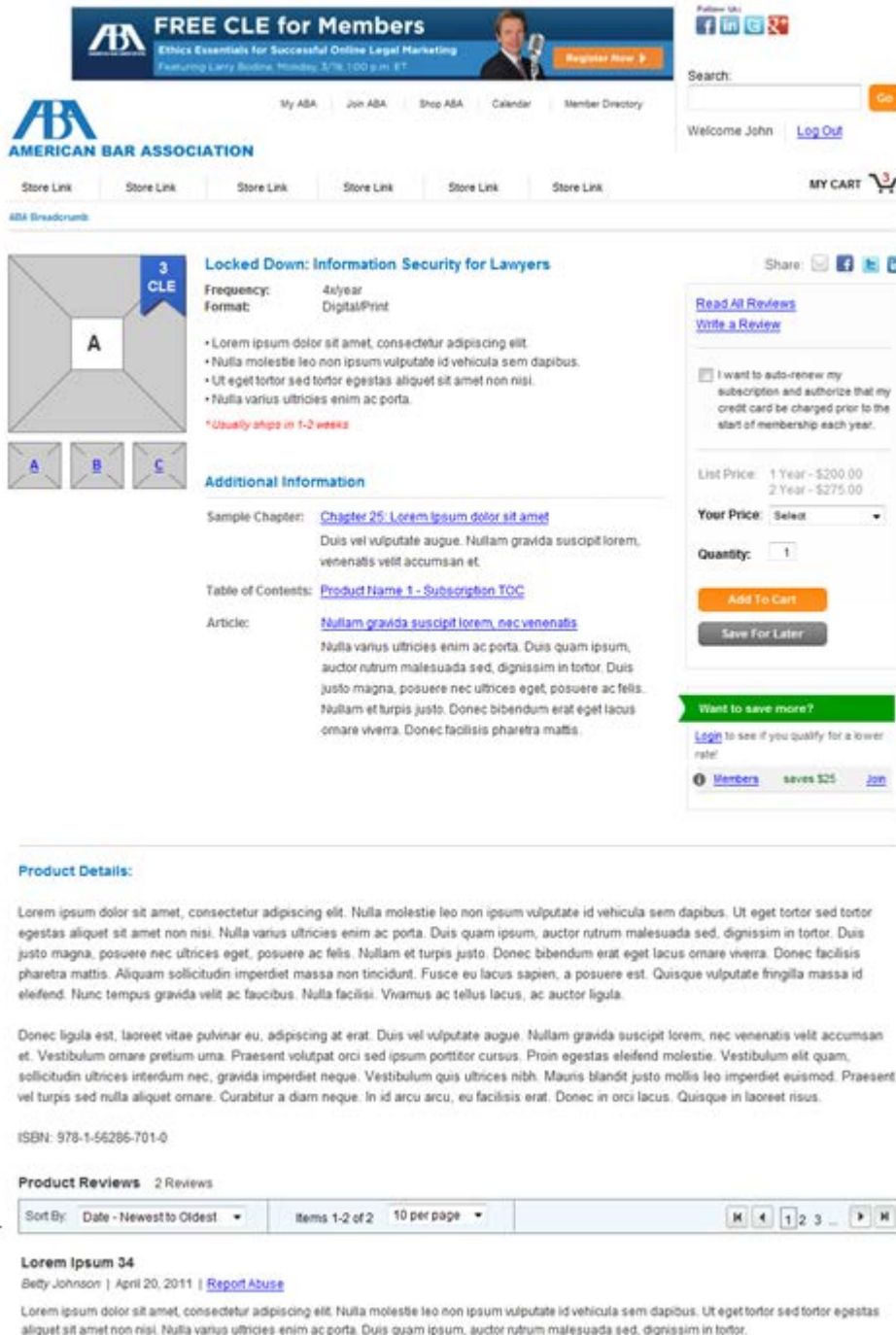
When a product no longer qualifies for inclusion as a top seller, the category code should be deleted from the product definition.

The existing marketing promotion control should be able to handle this requirement, but the developer should validate that the marketing promotion control supports this.

In addition, if the product is an INV product that is out of stock, and if the INV product is defined to not allow backorders (Inv_Product.ALLOW_BACKORDERS_FLAG = N) or if the product is defined to not display out-of-stock products (Inv_Product.WEB_DISPLAY_OUT_OF_STOCK_FLAG = N), then the product should not be selected for display in the Top Seller control.

User Story 4.1 Subscription Detail Page

Functional Design



On the Subscription product detail page, the information that should be displayed is listed in the chart below.

Caption	Description
---------	-------------

Caption	Description
(No caption) Images	Existing functionality
(No caption) Subscription Product Title	Product.SHORT_NAME
Frequency:	App_Code.OPTION_2 + "x/Year" for the default rate (Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = Y) where App_Code.SUBSYSTEM = SUB and App_Code.TYPE = RATE and App_Code.CODE = selected Product_Rate_Code.RATE_CODE and Product_Rate_Code.DEFAULT_RATE_WEB_FLAG = Y (See the section entitled "Supporting Display of Subscription Frequency Information" in User Story 1.6 for more information about how subscription frequency descriptions are captured.)
Format:	If Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Print/Digital' else if Sub_Product.PRINT_EDITION_FLAG = 'Y' and Sub_Product.DIGITAL_EDITION_FLAG = 'N' and then 'Print' else if Sub_Product.PRINT_EDITION_FLAG = 'N' and Sub_Product.DIGITAL_EDITION_FLAG = 'Y' and then 'Digital'
(No caption) Description	Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_SHORT'
Additional Information:	Attachments control (see user story 2.3)
Details:	(Use the word "Item instead of "Product") Product_Text.TEXT where Product_Text.PRODUCT_ID = PRODUCT_ID of the product on the page and Product_Text.TEXT_TYPE_CODE = 'WEB_LONG'
Reviews:	(Use the word "Item instead of "Product") Existing Marketing Control
Share:	Existing functionality
Read All Reviews Write a Review	Existing functionality
I want to automatically renew my subscription	When this is checked and the subscription order is created, Order_Detail.AUTO_PAY_METHOD_CODE is set to 'CC', a record is created in Order_Detail_CC_Info for the credit card used to pay for the subscription (the token is stored), and Order_Detail.RENEW_TO_CC_FLAG is set to 'Y'
List Price:	When the user is not logged in, then the List price is displayed. Displays pricing for each term (e.g., 1YR, 2YR): Display Product_Pricing.PRICE (Product_Pricing.RATE_CODE) where Product_Pricing.RATE_STRUCTURE = LIST and Product_Rate_Code.ACTIVE_FLAG = Y Order by Product_Rate_Code.SORT_ORDER Your Price: Allows a user to select a different Product_Pricing.RATE_STRUCTURE If the price is locked into a single currency, that should be displayed below the pricing as "Currency Description" + "Only"; i.e., if

Caption	Description
	Product.CURRENCY_LOCK_CODE is not null, display App_Currency.DESCR where App_Currency.CURRENCY_CODE = Product.CURRENCY_LOCK_CODE + "Only".

Product Alerts

Subscription products may qualify for the following product alerts:

Product Alert	Subscription Product Qualification Logic
Member Only	If Product.MEMBERS_ONLY_FLAG = 'Y', display "Members Only" product alert
New	

User Story 2.4 Promote Membership (Nancy)

Requirement from MRD

Merchants would like to be able to promote membership to non-members with messages such as "Join now, to get \$56.78 off of this purchase". Ideally the feature would allow the consumer to add the product and the appropriate membership to their shopping cart at once.

Business Process Scenario from MRD

- If the user is not logged in as a member, the system should be able to display a promotional message or control on the page that would encourage them to join and save.
- The control should display the amount that membership would save them.
- The user should be able to click on a link that would add both the item and the associated membership to the shopping cart at once.
- **ASHP Requirement** – This control is also an ASHP requirement.
 -

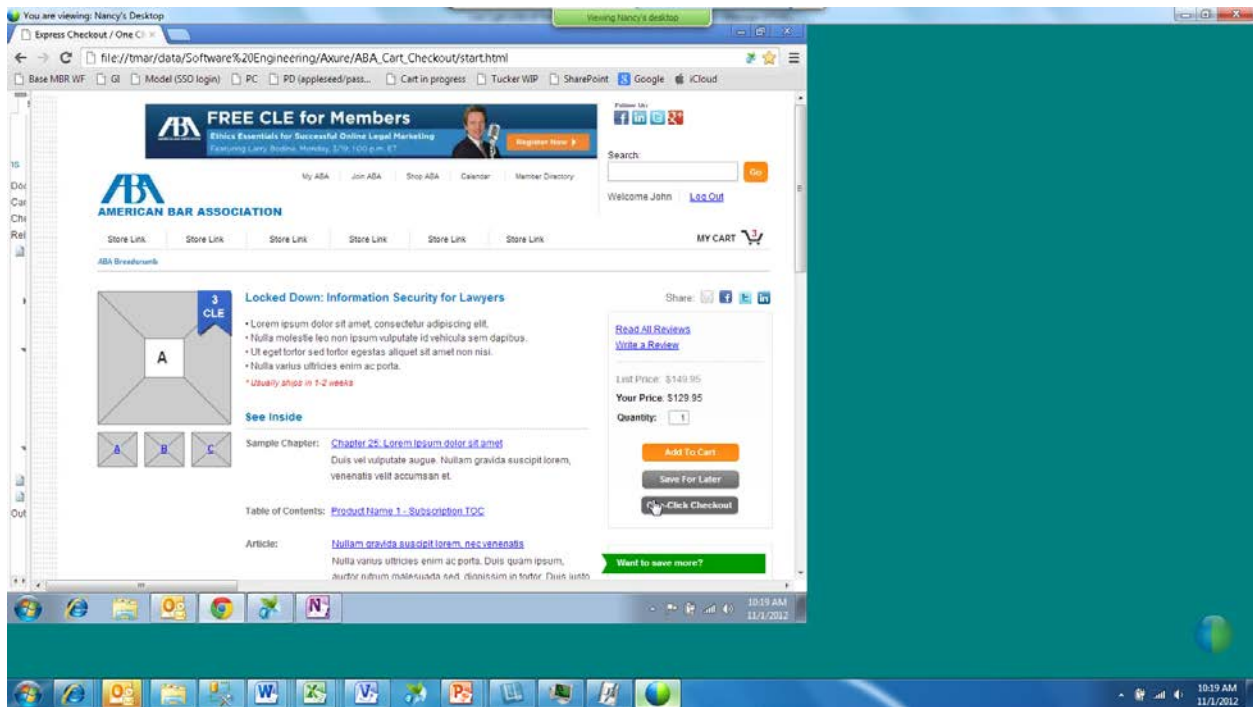
Exception Business Scenarios and Caveats from MRD

- For organizations that have multiple types of memberships, the system will not try to reconcile what type of membership they should be.
 - The organization will need to determine the default membership category that will be used.
 - Alternatively, we could consider an option that would add the item to their cart, and then direct the user to a membership application form, that uses the same cart the item is located in.
 -

Existing DNN Functionality from MRD

This is not existing functionality.

Functional Design



This is documented in Nancy's design.