BF Admin Module Catalog.doc

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1 Modification History

Date	Who	Comments
24-Aug-11	Solveda	Split from initial "BF Admin Module" document, refer to this document for general concepts, processing and prior modification history.
1-Sep-11	Solveda	Modified Product DETAIL screen to include basic pricing and availability dates.
12-Oct-11	Solveda	Changed Product-List screen. Clarified pre-retrieval rules.
17-Oct-11	Solveda	- Expanded Product Detail screen to match implementation on eCommerce and add details and clarity to functionality. - Added ability to view / modify associated product images.
18-Oct-11	Solveda	Added Virtual/Variant and Intro/Disco dates to the Product List results
19-Oct-11	Solveda	Split out "Variant" display into a separate page
31-Oct-11	Solveda	Added from/thru date to the CATEGORY maintenance
3-Nov-11	Solveda	Reworked search and result-set language.
4-Nov-11	Solveda	Added "tooltip" tag for images.
7-Nov-11	Solveda	Clarified alternate image section where images are not available for a specific set. Added a Product icon link from the Product Catalog to the Product List Page. Also added a Product-Category selector into the Product Search box. Added the Intro/Disco dates to the Variant display list
9-Nov-11	Solveda	Use "tooltip" approach for display of Desscription in the Product List screen.
14-Nov-11	Solveda	Pricing screen defined, with Volume (Qty based) pricing
15-Nov-11	Solveda	Added intro / disco dates to Product Search; Changed all read-only data displays to be not-bold.
16-Nov-11	Solveda	Added from/thru date on Category display page.
28-Nov-11	Solveda	Ignore case on Item# and Product ID within the Catalog search
30-Nov-11	Solveda	Added Search Criteria on the Manage-Catalog screen to filter by from/thru dates
6-Dec-11	Solveda	Added the actual image in the action "image" pop-up.
8-Dec-11	Solveda	Added Product HTML Meta Tags section
13-Dec-11	Solveda	Added "Manage PLP Sequence" section
28-Dec-11	Solveda	Added generic Category and Product selectors, for use from various other Admin functions
12-Jan-12	Solveda	Clarified image "change" function; and row-striping colors
13-Jan-12	Solveda	CATEGORY changes: - Added ability to maintain CATEGORY images that are displayed in the PLP page. - Added function to maintain the PLP-Content-Spot (re-purposed from existing page). - Added ability to maintain HTML "tags"
23-Jan-12	Solveda	Added "web search" in Product module – this will simulate the eCommerce "SOLR" search
26-Jan-12	Solveda	Added ability to add a category item and a product
13-Feb-12	Solveda	Edit screens for "you may also like" (Manage Related Products)
23-Feb-12	Solveda	Changed info-text on alternate image; added ability to delete an alternate image section; added borders around images for clarity

27-Feb-12	Solveda	Modified Volume-Pricing and Related-Products to operate consistently in terms of managing multiple rows.
29-Feb-12	Solveda	Modified Category-List and Product-List pages to align tool images
8-Mar-12	Solveda	Removed link from Category-List page to the Dynamic-PLP-Content function (not feasible since the Dynamic-PLP was expanded to have multiple positions); clarified Add-Top-Nav and Add-Sub-Nav in Catalog maintenance screens.
16-Mar-12	Solveda	Dynamically change captions on "Manage Products" page to match the eCommerce implementation. Added "Description" to Manage Catalog edit screens.
21-Mar-12	Solveda	Ability to maintain the PLP alternate image SMALL_IMAGE_ALT_URL and the "image title text" value in SMALL_IMAGE_ALT
30-Mar-12	Solveda	Ability to maintain the specific Product "swatch" that will be displayed on the PLP.
2-Apr-12	Solveda	Added "n characters left" helper text for Description and Meta-Tag fields.
3-Apr-12	Solveda	Number of "alternate" images increased from 4 to 5. Added Product-PDP-Swatch.
10-Apr-12	Solveda	(1) Added validation for Seq# in Manage Catalog Detail. (2) Added "IDs" for Product (Google, SKU, Manufacturer, ISBN) in Product Detail. (3) Expanded "alt image sets" to 10
11-Apr-12	Solveda	Added ability to view/maintain Videos and 360 degree view assets
25-Apr-12	Solveda	Modified so that images can be uploaded, or use a direct reference (server file or URL)
2-May-12	Solveda	Clarified functionality for Product Detail "Move" functions
4-May-12	Solveda	Ability to maintain PRODUCT_ATTRIBUTE "BIGFISH_INVENTORY"
16-May-12	Solveda	New maintenance screen to manage Category -> Product membership (a product can be a member of many categories)
25-May-12	Solveda	New function to add a Variant product
4-Jun-12	Solveda	Added validation for "BF Inventory"
20-Jun-12	Solveda	New product attribute "BF Inventory Warehouse". Product attributes names are: BF_INVENTORY_TOT and BF_INVENTORY_WHS
1-Aug-12	Solveda	Changed to use Helper and Warning tooltip
14-Aug-12	Solveda	Product specific screens for managing Feature sequencing
21-Aug-12	Solveda	Added link Icon for Category/Product Membership. Added conditional warning for Related Products.
4-Sep-12	Solveda	Allow for Variant Pricing changes on product detail.
9-Sep-12	Solveda	Added validation for Discontinued Date.
13-Sep-12	Solveda	Non-trivial changes for variant product (edit, groups)
19-Sep-12	Solveda	Clarification in Add a Variant section
9-Oct-12	Solveda	Add a Product: must pre-select a CATEGORY; Add a VIRTUAL Product: allow for features to be set;
26-Oct-12	Solveda	Consolidated and clarified the Product Detail Page to be re-purposed for Virtual, Finished-Good and Variant products.
30-Oct-12	Solveda	Added List/Sale Price to Variant list
28-Nov-12	Solveda	Clarified processing for all image, swatch and video assets
15-Jan-13	Solveda	"Related Products" modified to "Product Associations" throughout and capability for both a COMPLEMENT and ACCESSORY type to be maintained.
18-Mar-13	Solveda	Added "Manufacturer" to main Product screen, may interact with "Manufacturer Picker" component
22-Mar-13	Solveda	Product name validation limited to 100 characters. Internal Name (formerly Item#) validation limited to 255 characters.

23-Apr-13	Solveda	Added “Shipping Charge” to the basic product definition.
02-May-13	Solveda	Added “Returnable” to the basic product definition.
8-May-13	Solveda	Added “Attributes” to the Product identifications section. Will accommodate PDP_SELECT_MULTI_VARIANT
11-Jun-13	Solveda	Added new attribute “CHECKOUT_GIFT_MESSAGE” which defines, on a product level, if a Gift Message is allowable for purchased items (override system parameter CHECKOUT_GIFT_MESSAGE).
14-Jun-13	Solveda	Product Processing Attributes added: Height, Width, Depth, Weight
28-Jun-13	Solveda	Allow edit of Product-Name for Variant
15-Jul-13	Solveda	Added Generic-Feature-Picker function to allow for multiple Descriptive Features to be selected
15-Jul-13	Solveda	Added “Manage Manufacturer” function
11-Sep-13	Solveda	Added “Country” to Manufacturer detail
9-Oct-13	Solveda	New PRODUCT_ATTRIBUTES: PDP_QTY_MIN, PDP_QTY_MAX and PDP_QTY_DEFAULT (all are product level overrides for system parameters of the same name)
21-Oct-13	Solveda	Separate component display for “Product / Category Membership” as part of Product Detail page, allows for complete display when multiple memberships are setup.
10-Jan-14	Solveda	Added “In Store Only” product attribute
27-Jan-14	Solveda	Added ability to have Product specific content.
11-Mar-14	Solveda	Category screens: now expose both Description and Long Description
17-Mar-14	Solveda	Exposed category ID (top and sub nav); this must be unique. The Category Name is no longer required to be unique.
7-Apr-14	Solveda	For Category and Product: renamed to “SEO Meta Tags”, exposed Friendly-URL and ability to override. Unique rule check for Product-Name now considers the override.
22-Apr-14	Solveda	Added “Canonical URL” to Category and Product SEO-Meta-Tags screen. Also see new spec BF-Search-Engine-Optimization for usage.
05-Jun-14	Solveda	Added Product Feature, Party Classification Pickers. Changed Feature Picker heading to ‘Multi Feature Picker’. Moved all “picker” functions to spec BF-Admin-Module-Generic-Pickers.doc.
15-Jul-14	Solveda	Added Product Attachments

catalog

Manage Catalog This function provides the ability to view and maintain the product catalog structure.	**Add a Category** This function provides the ability to add a new category entry.	**Manage Product** This function provides the ability to search, review, edit and remove products from within the catalog.
Add a Product This function will allow for the quick entry of a Product within the Product Catalog structure.	**Manage Manufacturer** This function provides the ability to search, review, edit and remove Manufacturers from the system.	**Price Rules** Manage price rules, at product level, by customer or organization.

3 Catalog and Product Images

3.1 Overview

- This section applies to all Catalog and Product Images and Product Attachments
- For more information about images, image locations (directory or URL) refer to the first section in the *BF-Admin-Module-Product-Loader* spec
- This section applies to all product image, attachments swatch and video assets as documented throughout this specification
- Image and similar assets can be stored within the BigFish directory structure or hosted on another site
- This interface provides for both storage options
- The Image-Name, for existing assets, will display the file name
- The Image-Path-or-URL, for existing assets, will display the Directory Path Name or the URL

3.2 Default Displays and Selections

- Defaults, if an asset already exists:
  - The actual asset (image or similar) should be extracted
    - Essentially this is the text following the last "/"
  - The asset is displayed in the Image-Name
  - The path is displayed in the Image-Path-or-URL
  - The radio-button is initially set based on the existing asset value
    - If the asset value contains "//" then the Direct-Reference radio button should be pre-selected
    - Else the Browse-and-Upload-File should be pre-selected
- Defaults, when an asset is not yet available:
  - Image-Name is left blank
  - Image-Path-or-URL is set to a value defined in the OsafeImagePath.xml file
  - Browse-and-Upload-File is pre-selected

3.3 Visual Examples

- Image-Path Example:

Image Name:	ef29_thumb.jpg
Image Path or URL:	/osafe_theme/images/products/thumb/
Type:	● Browse and Upload File ○ URL Reference
New Image:	Browse

- Image-Name is read-only
- Image-Path-or-URL is editable, this allows users to modify the directory where the asset will be stored
- New Image: the standard "Browse" function is implemented

- URL Example:

Image Name:	ef29_large.gif
Image Path or URL:	http://images.bigfish.com/images/large/
Type:	○ Browse and Upload File ● URL Reference
New Image:	http://images.bigfish.com/images/large/ef29_large.gif

- Image-Name is read-only
- Image-Path-or-URL is read-only, displaying just the path name
- New Image: entry box, defaults to existing full URL reference

- No asset reference available:

Image Name:	
Image Path or URL:	/osafe_theme/images/products/thumb/
Type:	● Browse and Upload File ○ URL Reference
New Image:	Browse

- Image-Name is read-only, and will be blank
- Image-Path-or-URL is editable, and populated from the XML file, this allows users to modify the directory where the asset will be stored
- Browse-and-Upload-File is checked
- New Image: the standard "Browse" function is implemented

3.4 Validation on Save

- Browse-and-Upload-File checked:

  - Image-Path-or-URL must already exist.
    - Error "The Image-Path [Image-Path] for the [Large] image does not already exist"

  - Image-Path-or-URL cannot have an URL reference. Check for the existence of "//" .
    - Error "The Image-Path [Image-Path] must reference a directory on the server"

- URL-Reference checked:
  - Image-Path-or-URL must have an URL reference. Check for the existence of "//".
    - Error "The URL must be a valid URL reference"

3.5 Processing on Save:

- Browse-and-Upload-File checked:

- The file is written based on the Image-Path-or-URL + Image-Name
- If this action overwrites the existing image this is acceptable (and typical)

- URL-Reference checked:
  - Use the reference to update the database

3.6 Helper Text

- For URL-Reference
  - File or URL: "Enter complete URL, including the file name, where the asset is located"

4 Manage Catalog

4.1 Processing

- Categories should be displayed regardless of whether they are currently active or not

4.2 Search Capability

- As of Date:
  - The "As Of Date" will allow a user to view the Catalog as of a specific date
  - This can be in the future or in the past
  - Default is the system date
  - The "As Of Date" is effectively used in criteria as follows:

```
where   database.active_from <= as-of-date
and    (database.active_thru >= as-of-date
or      database.active_thru is null)
```

- Show All
  - Default is NOT checked
  - If checked, the "as of date" is ignored and all rows are displayed

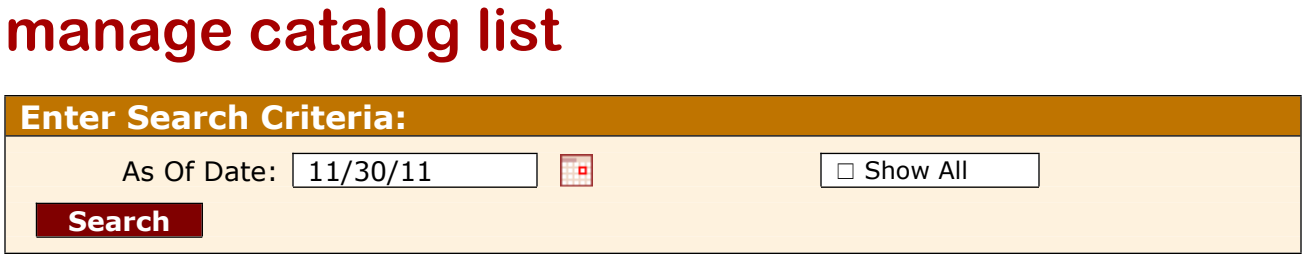
4.3 Search Example

#	Category	Active-From	Active-Thru
1	Electronics	3/1/2011	4/18/2011
2	Electronics	4/19/2011	6/14/2011
3	Electronics	6/15/2011	8/23/2011
4	Electronics	8/24/2011	

- As-Of-Date is 4/4/2011 would return #1
- As-Of-Date is 5/31/2011 would return #2
- As-Of-Date is 6/15/2011 would return #3
- As-Of-Date is 8/23/2011 would return #3
- As-Of-Date is 8/24/2011 would return #4
- As-Of-Date is 12/31/2011 would return #4

- "Show All" will display items #1, #2, #3, #4

4.4 List Screen



Catalog						
Seq#	**Top Nav**	**Seq#**	**Sub Nav**	**Active From**	**Active To**	
1000	Women's Apparel			6/21/11		
		1010	Tops	6/21/11		
		1020	Dresses	6/21/11		
		1030	Pants	6/21/11		
2000	Handbags			6/21/11		
		2010	Handbags	6/21/11	7/23/11	
		2020	Wallets	6/21/11		
3000	Shoes			6/21/11		
		3010	Sneakers	6/21/11		
		3020	Heels	6/21/11		
		3030	Sandals	6/21/11	8/24/11	
		3040	Slippers	6/21/11		
		3050	Wedges	6/21/11		
4000	Top Trends			6/21/11		
		4010	Leather	6/21/11		
		4020	Fur	6/21/11		
		4030	Capes and Ponchos	6/21/11		
		4040	Lady Like	6/21/11		
5000	What's New			6/21/11	9/1/11	
		5010	Designers	6/21/11		
		5020	Apparel	6/21/11		
		5030	Shoes	6/21/11		
		5040	Jewelry	6/21/11		

Back **Add Top Nav** **Add Sub Nav**

- List Screen should pre-populate with all available information
- The page should NOT scroll, all rows should display
- Validation:
  - Invalid date is entered. Error "[entered-date] is an invalid date. Please retry"
- Actions
  - "Add Top Nav"
    - Pass control to Catalog Detail page in "Add Top Nav" mode
  - "Add Sub Nav"
    - Pass control to Catalog Detail page in "Add Sub Nav" mode
  -
    - Tooltip is set to "Category Images"
    - A small preview image will also be displayed
    - Always displayed

        - Redirect to the Category Image Page, passing the Product Category

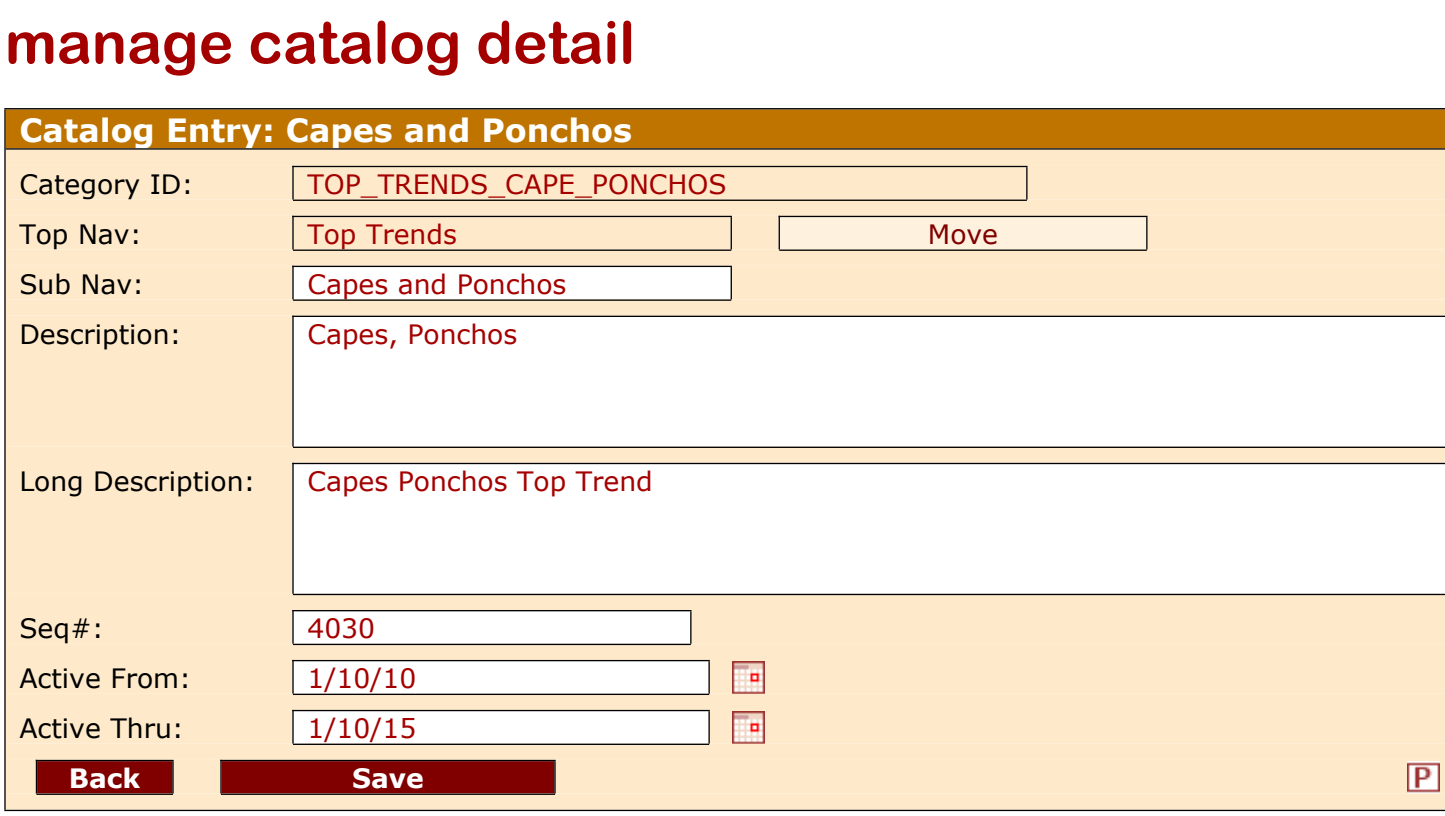
    - P
        - Tooltip is set to "Underlying Products [n]"
        - Only displayed if there are underlying Products for the listed Category
        - Redirect to Product Listing Page, passing the Product Category

    - #
        - Tooltip is set to "Product Sequences [n]"
        - Only displayed if there are underlying Products for the listed Category
        - Redirect to PLP Sequence Page, passing the Product Category

    - </>
        - Tooltip is set to "SEO Meta Tags"
        - Always displayed
        - Redirect to Category SEO Page

    -
        - Tooltip is set to "Content Spot"
        - Always displayed
        - Redirect to Category Content
            - See spec "*BF Admin Module Content.doc*"
            - Section "Product Category Content"

4.5 Detail Screen (Edit Mode)



- Category ID
  - Is the ID for the either the Top-Nav or Sub-Nav
  - Display only

- Description and Long Description:
  - These attributes are optional

- Description cannot exceed 255 characters
  - Category Description cannot exceed 255 characters in length.

- Seq#:
  - Must be entered, and a valid number between 0 and 9999

- Active Thru
  - If the Active From and Thru are valid dates then the Active Thru date must be AFTER the Active From date.
  - Error: "The Active THRU date must be AFTER the Active FROM date"

- Helper Text
  - Seq#: "Mark as 0 (zero) in order to have this Category indexed by not displayed in the BigFish eCommerce navigation bar. This is to be used if you still want access, for example, via a Home Page spot."
  - Description: "This optional attribute is used for the SEO Meta Keywords page tag"
  - Long Description: "This optional attribute is available on the CLP via the DIV Sequencing strategy"

4.6 Detail Screen (Add "Top Nav" Mode)

manage catalog detail

Add Top-Nav Catalog Entry

Top Nav ID:	CLEARANCEXXX
Top Nav Name:	Clearance XXX
Sub Nav:	
Description:	Clearance Items
Long Description:	Apparel Active Clearance Items
Seq#:	4031
Active From:	1/10/10
Active Thru:	1/10/15

Back Save

- Seq#:
  - Must be entered, and a valid number between 0 and 9999

- Active Thru
  - If the Active From and Thru are valid dates then the Active Thru date must be AFTER the Active From date.
  - Error: "The Active THRU date must be AFTER the Active FROM date"

- Helper Text
  - Sub Nav: "Must be blank to define a new Top Category Item"
  - Seq#: "Mark as 0 (zero) in order to have this Category indexed by not displayed in the BigFish eCommerce navigation bar. This is to be used if you still want access, for example, via a Home Page spot."

4.7 Screen (Add "Sub Nav" Mode)

manage catalog detail

Add Sub-Nav Catalog Entry

Top Nav:		Select
Sub Nav ID:		
Sub Nav Name:		
Description:		
Long Description:		
Seq#:	4032	
Active From:	1/10/10	
Active Thru:	1/10/15	

Back Save

- Seq#:
  - Must be entered, and a valid number between 0 and 9999

- Active Thru
  - If the Active From and Thru are valid dates then the Active Thru date must be AFTER the Active From date.
  - Error: "The Active THRU date must be AFTER the Active FROM date"

4.8 Detail Screen Processing

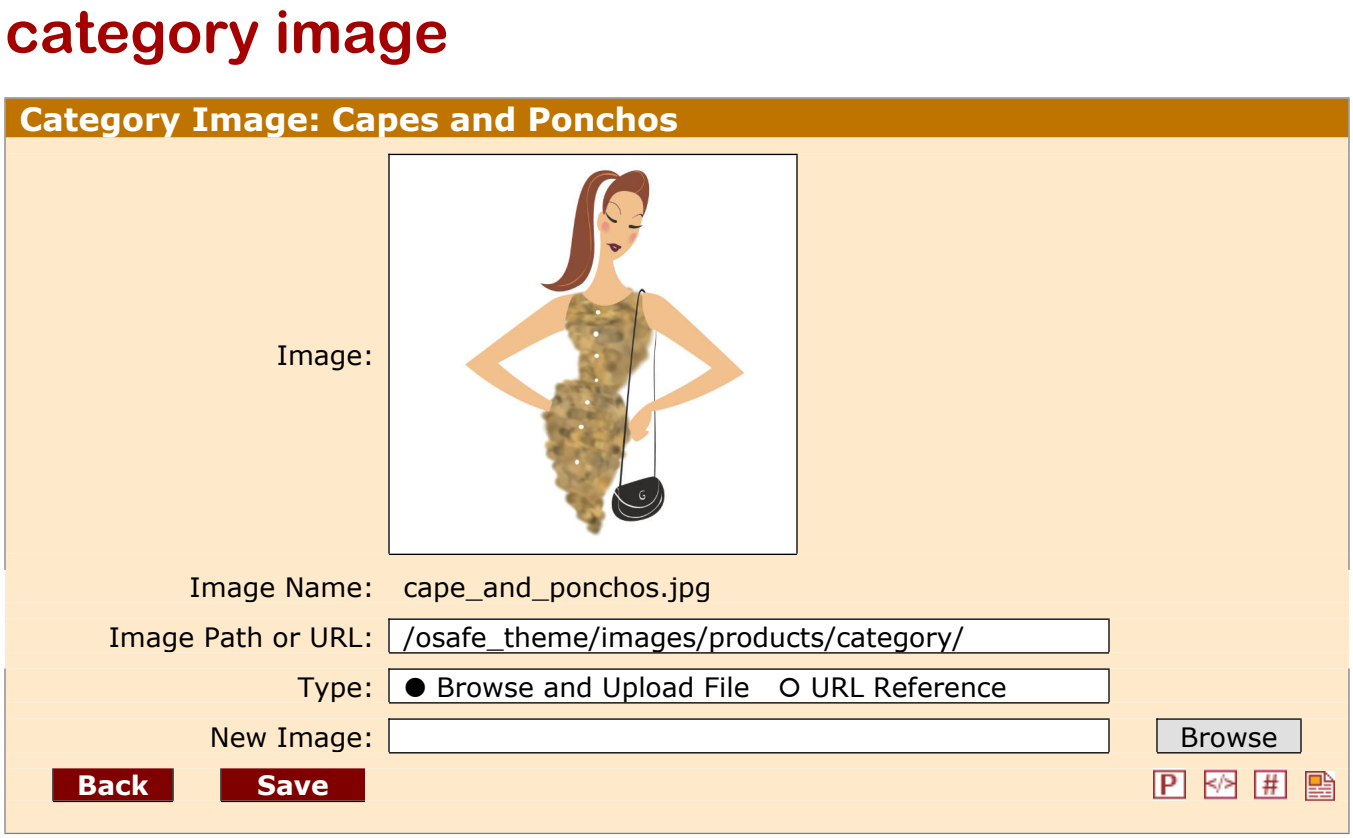
- "Add" Mode Considerations
  - The icons for Image / Products / HTML-Tags / Sequencing and Content Spot will be hidden
  - Validation:
    - When adding a new Category (Top or Sub), the ID must be unique with the catalog. Error is "When adding a navigation category the ID must be unique within the catalog"
    - When adding a new Sub-Nav-Item, ensure that the Top-Nav-Item already exists. Error "When adding a new Sub Navigation Item you must make sure that the Top Navigation Item already exists"
- Description is available on the Product-Category entity, attribute Long-Description
- "Edit" Mode Considerations
  - The "Move" button is only offered if a Sub Item is being modified
  - The "Move" action will display a selection of Parent (top level) categories in a popup display:

X	
Move "Capes and Ponchos" to:	
Seq#	**Top Navigation**
1000	**Women's Apparel**
2000	**Handbags**
3000	**Shoes**
4000	Top Trends
5000	**What's New**

- Active:
  - Active FROM must have a date, the date can be in the future
  - Active THRU is optional. A null value effectively means the category is active forever
  - The from/thru are maintained in the PRODUCT_CATEGORY_ROLLUP entity
- "Save" message. "Your CATALOG changes ([catalog-entry]) have been saved"
- "Back", return to List Screen

5 Category Image

5.1 Category Image



- The image is stored directly on the PRODUCT_CATEGORY entity, attribute CATEGORY_IMAGE_URL

- Size images as follows (XPROD_STORE_PARM):
  - Height: IMG_SIZE_PLP_CAT_H
  - Width: IMG_SIZE_PLP_CAT_W

- Image change and "Browse" function
  - The Browse button will popup a standard dialog box to prompt for the new file from the local file system
  - Replace preview image with new image

- Helper Text
  - Image: "Used as the image displayed within a Category Listing Page"

6 Category SEO Meta Tags

6.1 Overview

- NOTE: the functionality is the same as maintaining SEO data and HTML Meta Tags for PRODUCTS; re-using functional components should be possible
- When generating an HTML page the critical tag attributes for SEO (Search Engine Optimization) are:
  - Friendly URL
    - This value overrides the category portion of the auto-generated SEO Friendly URL
      `www.shopping.com/capes-ponchos>`
  - Page Title
    `<title>xxx</title>`
  - Description
    `<meta name="description" content="xxx” />`
  - Keywords
    `<meta name="keywords" content="xxx"/>`
- For the most part, BigFish will automatically generate suitable tags
- The screen defined here is for OVERRIDES to the BF generated tags

6.2 Visual Guideline

category SEO meta tags

Category SEO Meta Tags: Capes and Ponchos	
Friendly URL Default:	capes-and-ponchos
Friendly URL Override:	* 250 character limit (n characters left)
<TITLE> BF Default:	Capes and Ponchos
<TITLE> Override:	* 250 character limit (n characters left)
<META DESC> BF Default:	Full array of Capes and Ponchos
<META DESC>	

Override:	
	* 250 character limit (n characters left)
<META KEY> BF Default:	Capes and Ponchos
<META KEY> Override:	
	* 250 character limit (n characters left)
Canonical Override URL:	
	* 250 character limit (n characters left)

Back Save

6.3 Processing

- Characters left countdown
  - All meta tags should be restricted to 250 characters since common crawlers such as Google and Yahoo will only consider the first 250 characters

- The BF Defaults should be derived in the exact way that there are derived for the eCommerce implementation

6.4 Technical Notes

- The content should be stored in the entity PRODUCT_CATEGORY_CONTENT

- PROD_CAT_CONTENT_TYPE_IDs will be used as follows:

  - SEO_PAGE_URL
  - HTML_PAGE_TITLE
  - HTML_PAGE_META_DESC
  - HTML_PAGE_META_KEY
  - CANONICAL_URL

7 Product List Screen

7.1 Related Documents

- See spec "*BF Product Content and Images.doc*"

7.2 Overview

- Within OFBiz there is a concept of a Virtual and Variant product.
- A VIRTUAL product is not a product that can be purchased. It will define the master details for a product.
- A VARIANT product is sellable. It will define specific attributes such as color or size.
- In the case when it is not required to define specific attributes then the product is setup as neither a Virtual nor a Variant.
- In Summary:

Virtual	Variant	Description
N	N	A product that is neither a Virtual or Variant product (aka FINISHED GOOD). In other words, there will be no selectable features offered in the PDP. Example: a belt with no selectable feature.
Y	N	A Virtual product that will have associated Variant items. The associated Variant items will define the selectable features offered in the PDP (for example: color, size, etc.) Example: a shoe, but the selectable features (color, size) are the buyable versions defined as Variants.
N	Y	The Variant product (associated to a Virtual) that offers a specific selectable feature combination in the PDP (for example: color=red, size=small) Example: a specific color, size combination of the Virtual product.
Y	Y	This combination will not be present.

- Examples:

Product	Virtual	Variant	Description
Dress	Y	N	Defines all the generic attributes for the sweater regardless of the Variants that may be available. For example, "Made in the USA, 100% cotton, etc". Not sellable.
	N	Y	A Variant of the Dress, such as Color=Red, Size=Large. If there are multiple colors and sizes then there will be several Variants.

			Sellable.
12” Stapler	N	N	Defines a sellable item that does not have any variants.

- The Search & List Screen will always retrieve Variant = “N” products. This will always return the “master” product row.

- For now, Pricing is ONLY managed at the NON Variant level (all Variants of a Virtual product will be assumed to have the same price)

7.3 Search Capability

Column	Processing
Product ID	Ignore case
Name	ignore case, perform a “contains” function
Item#	ignore case
Description	ignore case, perform a “contains” function
Web Search	This will simulate the eCommerce search via SOLR
Category	A drop-down of all product categories available, see below.
Dates	Default BOTH un-checked. Include Not Yet Intro: if NOT checked then exclude product if product.intro-date > [sys-date] Include Discontinued: if NOT checked then excluded product if product.disco-date <= [sys-date]
Virtual Only	VIRTUAL = “Y”
Variant	Display Only “N”, to clearly state that every query will have Variant = “N”

Category Drop Down, visual example:

ALL
- Women’s Apparel
  - Tops
  - Dresses
  - Pants
- Handbags
  - Handbags
  - Wallets

7.4 List

Column	Alignment, formatting rules, comment
Product ID	centered
Item#	centered
Name	left-aligned
	special component that on “hover” will popup a “tooltip” with the full product description
Virtual	centered

Variant	centered
Intro-Date	centered, configuration will determine format
Disco-Date	centered, configuration will determine format
List Price	right-aligned, configuration will determine format
Sale Price	right-aligned, configuration will determine format
Actions	left aligned

7.5 Sort Sequence

- Product ID, ascending

7.6 Visual Guideline

product list

Enter Search Criteria:

Product#: Name:

Item#: Description:

Web Search:

Category: Drop Down Dates: ☐ Include Not Yet Intro ☐ Include Discontinued

Virtual Products: ☑ All ☑ Virtual ☑ Finished Good

Search

Matching Products

Product#	Item#	Name		Virtual	Variant	Intro Date	Disco Date	List Price	Sale Price	
100001	A107	Green Fashion Dress		Y	N	01/01/11		$12.99	$9.99	
100002	B787	Fashion Denim Pants		Y	N	01/01/11		$19.99	$16.99	
100003	C888	Crocodile Handbag		N	N	01/01/11		$21.99	$17.99	
100004	A198	Green Fashion Dress		Y	N	04/01/11	06/01/11	$32.99	$28.99	
100005	F822	Fashion Denim Pants		N	N	01/01/11		$109.99	$99.99	
100006	F444	Crocodile Handbag		N	N	01/01/11		$99.99	$79.99	

Back **Add**

7.7 Processing

- List Screen should NOT retrieve any rows until the user clicks on the Search button
  - If this screen is being accessed via another function that is supplying search criteria then pre-retrieve data as per the criteria. This applies from the Product Catalog display above

- Populate as follows:
  - Product ID: PRODUCT_ID
  - Item#: INTERNAL_NAME
  - Name: Content "PRODUCT_NAME"

- List Price: Pricing "List Price"
- Sale Price: Pricing "Default Price"

- "Info" helper:
  - The "info" helper message will display generally useful information
  - If the Product is "In Store Only" based on PRODUCT_ATTRIBUTE (attr_name PDP_IN_STORE_ONLY) = "Y"
    - This is an IN STORE ONLY product
  - Example:

This is an IN STORE ONLY product

7.8 Toolbar Actions

- General Processing
  - The Toolbar Icons are used when hovering over the icon from the list page shown above
  - Additionally, the same icons are displayed on every page within the Product module
  - Processing rules are described here for both the list and various detail pages
  - In some cases, specifically when viewing a Variant product, the tooltip information should be displayed for the associated Virtual product
    - In other words, if a Virtual has 4 Variants then regardless of whether the user is viewing the Virtual or any of the Variants the tooltip will display as "Product Variants [4]"

-
  - On "hover" will display a popup dialog that displays the full description
  - Use the "tooltip" approach (see *BF-Admin-Module-General*)
  - Only applies to the List screen above, never displayed in Detail pages

-
  - Tooltip is set to "Edit [Virtual / Finished Good] Product"
  - Redirect to the main Product Detail page

-
  - Tooltip is set to "Product Images"
  - A small preview image will also be displayed
  - Redirect to Product Images Page
  - Applies to Virtual, Finished Good and Variant products
  - Visual Example:

-
  - Tooltip is set to "Product Attachments"
  - Redirect to Product Attachments Page
  - Applies to Virtual, Finished Good and Variant products

-
  - Tooltip is set to "Product Pricing"
  - Applies to Virtual, Finished Good and Variant products
  - Redirect to Product Pricing Page

-
  - Tooltip is set to "Product Feature Sequencing"
  - Applicable for Virtual or Finished Good
    - If viewing a Variant product, then use the associated Virtual product for context
  - Redirect to Product Feature Sequencing

-
  - Tooltip is set to "SEO Meta Tags"
  - Applicable for Virtual or Finished Good
    - If viewing a Variant product, then use the associated Virtual product for context
  - Redirect to Product SEO Meta Tags Page

-
  - Tooltip is set to "Product Variants [n]"
  - Applicable for Virtual
    - If viewing a Variant product, then use the associated Virtual product for context
    - If viewing a Finished Good, tooltip is "Finished Good, No Variants"
  - Redirect to Product Variant Page

-
  - Tooltip is set to "Product Associations [n]"
  - This icon will always be displayed, apply validation as follows:

  - If VARIANT product then error:
    "You cannot make associations for VARIANT products. They are only applicable for VIRTUAL or FINiSHED GOODS"

  - Redirect to Manage Product Associations page

-
  - Tooltip set to "Cat / Prod Membership [n]"
  - Applicable for Virtual or Finished Good

        - If viewing a Variant product, then use the associated Virtual product for context
    - Redirect to Manage Category to Product Membership page

-
    - Tooltip is set to "Product Videos"
    - Always displayed
    - Redirect to Manage Product Videos page

-
    - Tooltip is set to "Add to Cart"
    - Will add the current item to the Shopping Cart and update the header bar
    - This icon will always be displayed, apply validation as follows:

    - If VIRTUAL product then error
      "You cannot purchase a VIRTUAL product. Please select a VARIANT in order to Add to Cart"

    - If Intro-Date > [today] then error

"This product has not yet been introduced. Intro-Date is [intro-date]"

    - If Disco-Date < [today] then error

"This product is discontinued. Disco-Date is [disco-date]"

-
    - Tooltip is set to "Content Spot"
    - Always displayed
    - Redirect to Category Content
        - See spec "*BF Admin Module Content.doc*"
        - Section "Product Content"

- Copy (icon required)
    - TODO

8 Product Detail Screen

8.1 Processing

- This screen will be mostly accessed from the List Screen, as defined above.
- The screen will display several components that manage specific aspects of a Product Detail.
  - For example: the behavior of "Features" is different depending on whether the product is a Virtual, Variant or Finished Good.

8.2 Product Detail: Basic Attributes

product detail (100001)

Product Details 100001: Short Dress

Product ID:	100001	Item#:	A107
Type of Product:	Virtual	Charge for Shipping?	● Yes ○ No
Manufacturer:	Versace	Can be Returned?	● Yes ○ No
Product Name:	Red Fashion Dress		
PLP Label:	By Versace		
PDP Label:	By Versace		

- OFBiz Mapping

Item#:	PRODUCT.INTERNAL_NAME
Charge for Shipping:	PRODUCT.CHARGE_SHIPPING (indicator Y or N)
Can be Returned:	PRODUCT.RETURNABLE (indicator Y or N)
Manufacturer:	PRODUCT.MANUFACTURER_PARTY_ID
Product ID:	PRODUCT.PRODUCT_ID
Product Name	PRODUCT.PRODUCT_NAME, see note below
PLP Label:	Content "PLP_LABEL"
PDP Label:	Content "PDP_LABEL"

  - Charge for Shipping: this applies to all types of products (Virtual, Variant and Finished Goods). A blank value if equivalent to "Y"
  - Product-Name should be retrieved from PRODUCT.PRODUCT_NAME for initial display. On an "save" action, the PRODUCT_CONTENT (CONTENT -> DATA_RESOURCE -> ELECTRONIC_TEXT attribute should also be updated)

- Title

Virtual Product	Product Details 100001: Short Dress
Finished Good	Same as Virtual Product above

Variant Product, single	Product Details 1000098-2: Short Dress, Color: Red, Size: 6
Variant Product, group	Product Details: VARIANT GROUP for Virtual 100001: Short Dress

- Product ID
  - In "Add" mode: allow entry
  - In "Edit" mode: read only

- If accessed via a **Variant** Link then:

  - The following fields should be retrieved from the associated VIRTUAL product and be non-editable

    - Manufacturer
    - PLP Label
    - PDP Label

- Type of Product

  - Edit mode, display as follows:

Virtual	if Virtual="Y" and Variant="N"
Variant	if Virtual="N" and Variant="Y"
Finished Good	if Virtual="N" and Variant="N"
Unknown	if Virtual="Y" and Variant="Y"

  - Add Mode, UI Guideline:

Type of Product:
● Virtual Product
○ Finished Good
○ Variant Product

    - If accessed from the main Product List screen then only offer Virtual and Finished Good and do not pre-select either radio-button

    - If accessed from the Add function of the Product Variant screen then only offer Variant Product and pre-select the radio button

- Actions

  Change Manufacturer

  Use the "Manufacturer Picker" function to allow for possible change of Manufacturer. See spec "*BF Admin Module Generic Pickers.doc*" for details.

- Validation

Product ID	If newly added product, and Product ID was available for entry: Product ID must have a value and conform to the generic ID validations

(see spec "BF Admin Module General.doc").

Product ID must be unique.

Error: "Product ID must be unique, there is already a Product with an ID of [product-id]"

Product Name	Virtual or Finished-Good, cannot be blank. Error: "The Product Name needs to have a description entered" If entered, Product Name length cannot exceed 100 characters Error: "The Product Name cannot exceed 100 characters"

Product Name SEO Friendly	Virtual or Finished-Good, must be unique for SEO Friendly URL generation:
	
	- For this product:
	  - If the PRODUCT_CONTENT_TYPE_ID.SEO_PAGE_URL is not blank then use this value, else use PRODUCT_NAME.
	- To check against other products:
	  - Use PRODUCT_NAME unless there is an override in PRODUCT_CONTENT_TYPE_ID (SEO_PAGE_URL)
	- Verify that the current product has a unique SEO-Friendly-URL value
	- If not unique:
	
	Error: "For SEO-Friendly purposes the Product Name must be unique. Product ID [PRODUCT_ID] already uses the [SEO-Friendly-URL] as a Product Name"

Item #	Item# length cannot exceed 255 characters Error: "The Item# cannot exceed 255 characters"

- Helper Text

Type of Product	A Virtual product is a primary definition that will have associated Variant products that are sellable. A Virtual product DEFINES selectable features. A Variant has VALUES for selectable features. A Finished Good is one that is purchased as-is, it does not have Selectable Features
Product Name, Variant Only	Leave blank to use the same product name as the VIRTUAL Product: [Virtual-Product-Name]

8.3 Product Detail: Category Membership

Product / Category Membership			
Nav Bar:	Top Trends	Sub Item:	Dresses

Nav Bar:	Gift Ideas	Sub Item:	Gifts Under $500

- Add Mode, UI Guideline:

Category	Select One …

  - The "Nav Bar" and "Sub Item" fields will be replaced with a single "Category" drop-down (same as the Product List page) that will offer the complete hierarchy
    - This is a required field and when the selection is made the appropriate "Features" will be displayed for the Category selected

- Validation

Category	When adding a new product the Category selected cannot be a parent category IF there are child categories available for that parent category. Error: "A Parent Category cannot be selected for a new product. Please select the lowest level category available"

- Actions

  Cat / Product Membership

  Redirect to the Membership function

8.4 Product Detail: Virtual Attributes

Virtual Product Attributes

Virtual Product ID:	100001	Virtual Item#:	A107	
Virtual List Price:	$199.00	Virtual Sale Price:	$169.99	* Pricing Rules Apply
Heel Height:	3"	Lining:	Blue	
Material:	Denim			

- This section is only displayed when adding or editing a VARIANT product
- It will displays attributes for the associated VIRTUAL product
- All attributes are shown as read-only

8.5 Product Detail: Descriptions

Product Descriptions

Long Descr:	This is a short dress made from silk. It is very nice. The rest of the description will be provided in this box. Make sure that this input area is at least 10 lines long in order to allow for a complete long description without having to scroll. Also make sure that the boxes all align as show here and extend to the right of the page.
Sales Pitch:	This is a very brief summary
Special Instr:	Optional
Delivery Info:	Optional
Directions:	Optional
Terms and Cond:	Optional
Ingredients:	Optional
Warnings:	Optional

- OFBiz Mapping

Long Descr:	PRODUCT.LONG_DESCRIPTION, see note below
Sales Pitch:	Content "SHORT_SALES_PITCH"
Special Instr:	Content "SPECIALINSTRUCTIONS"
Delivery Info:	Content "DELIVERY_INFO"
Directions:	Content "DIRECTIONS"
Terms and Cond:	Content "TERMS_AND_CONDS"
Ingredients:	Content "INGREDIENTS"
Warnings:	Content "WARNING"

  - Long-Descr should be retrieved from PRODUCT.LONG_DESCRIPTION for initial display. On an "save" action, the PRODUCT_CONTENT (CONTENT -> DATA_RESOURCE -> ELECTRONIC_TEXT attribute should also be updated)

- Labels and Captions

  - The captions for the 8 primary attribute fields should reflect the same caption that will be displayed in the eCommerce PDP.
  - Mapping to the eCommerce labels-and-captions file as follows:

Long Descr:	PDPLongDescriptionHeading
Sales Pitch:	PDPSalesPitchHeading
Special Instr:	PDPSpecialInstructionsHeading

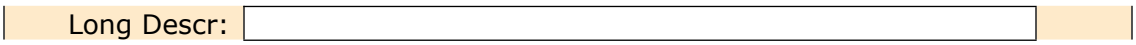
Delivery Info:	PDPDeliveryInfoHeading
Directions:	PDPDirectionsHeading
Terms and Cond:	PDPTermsAndConditionsHeading
Ingredients:	PDPIngredientsHeading
Warnings:	PDPWarningsHeading

- Variant Considerations
  - Descriptions for a Variant product will normally be left blank – the client will want to inherit the description from the Virtual product
  - Overriding descriptions at the Variant level is fully supported
  - If any of the Descriptions at the Variant level have been defined then the display should default to the "expanded" state
  - If all Descriptions are blank, then the display will be in the "collapsed" state:

  - If the icon is clicked then the Descriptions will be displayed and icon will be replaced with the icon
  - If the icon is clicked then the display will revert to the collapsed state
- Validation

Long Description	Cannot be blank (Virtual or Finished Good only): Error: "The Long Description cannot be blank"

- Helper Text, Variant only
  - All Descriptions will have a Helper Icon, UI Example:



  - The helper icons for Descriptions will indicate that the default Descriptions are inherited from the Virtual product and provide some indication as to the description on the Virtual product
  - The helper text will display a snippet of the description from the Virtual product:
    - Using the first 50 characters
    - Without truncating words (it could be more than 50 characters in order to get the full word)
    - followed by "…" to indicate additional characters, if applicable
  - Example:

- Virtual: "This is a very nice product. You can buy it by clicking on the add to cart button"
- Helper Text: "Leave blank to use the descriptive text from the VIRTUAL Product: This is a very nice product. You can but it now by clicking …"

- Virtual: blank
- Helper Text: "The VIRTUAL description is blank. You may leave this field blank or enter a description to describe this VARIANT"

8.6 Product Detail: Processing Attributes

Processing Attributes

List Price:	$199.00		Product Height:	uom
Sale Price:	$169.00	* Pricing Rules Apply	Product Width:	uom
Discontinued Date:			Product Depth:	uom
Introduced Date:	01/01/11		Product Weight	uom
BF Total Inventory:	23		In Store Only:	☑
BF Warehouse Inventory:	6			

- UOM (Unit of Measure)
  - System parameters will be used to populate the "uom" attribute
    - LENGTH_UOM_DEFAULT for Product Height, Product Width and Product Depth
    - WEIGHT_UOM_DEFAULT for Product Weight

- OFBiz Mapping:

List Price:	Pricing "List Price"
Sale Price:	Pricing "Default Price"
* Pricing Rules Apply	This is displayed if special pricing rules are in place
Introduced Date:	INTRODUCTION_DATE
Discontinued Date:	SALES_DISCONTINUATION_DATE
Product Height:	PRODUCT.PRODUCT_HEIGHT
uom (Height):	PRODUCT.HEIGHT_UOM_ID
Product Width:	PRODUCT.PRODUCT_WIDTH
uom (Width):	PRODUCT.WIDTH_UOM_ID
Product Depth:	PRODUCT.PRODUCT_DEPTH
uom (Depth):	PRODUCT.DEPTH_UOM_ID
Product Weight:	PRODUCT.WEIGHT
uom (Weight):	PRODUCT.WEIGHT_UOM_ID
BF Total Inventory:	PRODUCT_ATTRIBUTE, attr_name of "BF_INVENTORY_TOT"
BF Ware Inventory:	PRODUCT_ATTRIBUTE, attr_name of "BF_INVENTORY_WHS"
In Store Only	PRODUCT_ATTRIBUTE, attr_name of "PDP_IN_STORE_ONLY"

- Validation:

Discontinued Date	If Introduced Date is a valid date, then the Discontinued Date must be AFTER the Introduced Date

	Error: “The Discontinued Date must be AFTER the Introduced Date”
Product Height	Is optional If entered the value must be numeric Error: “The Product Height must be numeric”
Product Width	Is optional If entered the value must be numeric Error: “The Product Width must be numeric”
Product Depth	Is optional If entered the value must be numeric Error: “The Product Depth must be numeric”
Product Weight	Is optional If entered the value must be numeric Error: “The Product Weight must be numeric”
BF Total Inventory	is optional, default is zero if entered the value must be a whole number and between -9999 and 99999 Error: “Total Inventory must be a whole number and between -9999 and 99999”
BF Warehouse Inventory	is optional, default is zero if entered the value must be whole number and between -9999 and 99999 Error: “Warehouse Inventory must be a whole number and between -9999 and 99999”
In Store Only	If initial PRODUCT_ATTRIBUTE is either not available or not set to “Y” then checkbox should be unchecked.

- Helper Text

List Price (Variant Only)	Only enter a VARIANT List Price if it differs from the VIRTUAL Pricing. Leave the VARIANT List Price blank in order to use VIRTUAL List Pricing [VIRTUAL_LIST_PRICE]

Sales Price (Variant Only)	Only enter a VARIANT Sales Price if it differs from the VIRTUAL Pricing. Leave the VARIANT Sales Price blank in order to use VIRTUAL Sales Pricing [VIRTUAL_SALES_PRICE]

- Special Processing (any Variants available for sale)
  - Background:
    - This check is to ensure that if all VARIANTS are no longer available for purchase then the VIRTUAL product is also unavailable
    - The problem caused is the SOLR will index any available VIRTUAL product, but without any active VARIANTS this causes an inconsistency
  - Processing
    - If the product is a VARIANT and it is NOT active (not yet introduced, or discontinued) then additional processing is required on successful "Save"
    - Check if ANY VARIANTS are available for purchase for the VIRTUAL product
    - If there are NO VARIANTS products available for sale, and the VIRTUAL is available for sale then supplement the Save message as follows:

      WARNING: there are NO VARIANTS available for sale for the VIRTUAL Product [Virtual-Product-ID]. For consistency you should also change the Introduced-Date or Discontinued-Date on the VIRTUAL product to properly reflect product availability

8.7 Product Detail: Features (Virtual)

Product Features

Facet Group ID	Facet Desc		
COLOR	Color	● Selectable ○ Descriptive ○ N/A	
SIZE	Size	● Selectable ○ Descriptive ○ N/A	
HL HEIGHT	Heel Height	○ Selectable ● Descriptive ○ N/A	Select …
LINING	Lining	○ Selectable ● Descriptive ○ N/A	Select …
MATERIAL	Material	○ Selectable ○ Descriptive ● N/A	

- Overview
  - Selectable Features
    - Selectable Features are stating that a specific feature will be defined at the VARIANT level
    - For example:
      - VIRTUAL has a Selectable Feature of "COLOR"
      - The VARIANT has a Selectable Feature of "COLOR = RED"
  - Descriptive Features
    - Descriptive Features are providing additional information used in Facets
- In "edit" mode, changing feature mode:

- Descriptive -> Selectable is allowed
- Selectable -> Descriptive is NOT allowed
  - Since this would mean removing all the variants (that use this feature) of the virtual products

- In "add" Mode:

  - Display all available FEATURES for the CATEGORY

  - "Selectable / Descriptive / NA" should NOT have a default selection, all should be left blank

Selectable	No further action required (the "value" will be defined when a Variant is added for this Virtual)
Descriptive	Offer a drop-down of "Values" for this Feature (this represents the default "value" for both the Virtual and all Variants. Variants can override this value)
N/A	No further action required

- Validation:

All available features must have a selection
Error: "All available features must be identified as Selectable, Descriptive, or N/A"

At least one Feature must be marked as "selectable"
Error: "For a Virtual Product, at least ONE Feature must be defined as SELECTABLE"

- Helper Text

"Top Left" Helper Icon	To add a new Feature see the Admin -> Manage SOLR Facet functions
Selectable checked	The actual VALUE for the Selectable Feature [COLOR] will be defined for each of the Variants.
Descriptive checked	The VALUE selected here represents the default value for this Virtual Product and will be a default for all Variants. It can be overridden at the Variant level.
N/A Checked	This feature is not applicable for this Virtual product

8.8 Product Detail: Features (Variant)

Selectable Features	
Color: Drop-down	Size: Drop-down
Descriptive Features	

Heel Height:	Drop-down	Lining:	Drop-down

- Overview
  - Features have been specifically defined for the VIRTUAL Product and appropriate rows are available in the PRODUCT_FEATURE_APPL entity that determine if a feature should be offered and if it is "selectable" or "descriptive"
  - Given the example from the Product Detail (adding a VIRTUAL product), the display above properly reflects the Selectable and Descriptive Features. The feature "Material" is NOT offered since it was marked as "Not Applicable" when defining the Virtual Product.
  - The addition of Feature Groups (like Color and Size) and Values (like Blue, Red and Small, Medium) is described in the spec "*BF Admin Module Manage SOLR Config.doc*"
- Selectable Features:
  - For "Selectable" Features the drop-downs should be pre-filled with the superset of all available VALUES for that Feature
  - Drop down values should be sorted alphabetically
  - All selectable-features must have a value selection
  - Available to selection on both "add" and "edit" modes
- Descriptive Features:
  - For "Descriptive" Features, the VIRTUAL Product has already set the default value, this should be used to pre-select the value in the drop-down.
  - Drop downs should be sorted alphabetically
  - It is only necessary to use this information if it is modified (in other words, no changes are required if this Variant has the SAME value as the Virtual)
  - Available to selection on both "add" and "edit" modes
- Multiple Descriptive Features
  - If there are already more than one feature selected then:
    - Display "Multiple …" as the feature selection and make this field read-only
    - The multi-select icon will redirect to the Generic Multi Feature Picker
      - See spec "*BF Admin Module Generic Pickers.doc*" for details
    - Upon return adjust the display to either display the selected item in a drop-down or "Multiple …"

Descriptive Features	
Material:	Multiple …

- Validation

Same Variant	For a single Virtual Product, a Variant cannot be added with the same Selectable Feature values as an existing Variant For example, if a Virtual "Dress" already has a Variant with Color=Red and Size=Small then the same feature values are not allowable Error: "A Variant Product with the Selectable Features of [Color=Red and Size=Small] already exists. Please check your inputs and retry."
Selectable Features	A value must be selected for all selectable features Error: "A value must be selected for Feature [COLOR]"

- Helper Text

Descriptive Features	Only enter a Descriptive Feature if it differs from the VIRTUAL value. Leave blank in order to use the feature description from the VIRTUAL product

8.9 Product Detail: Features (Finished Good)

Product Features

Facet Group ID	Facet Desc		
HL HEIGHT	Heel Height	● Descriptive ○ N/A	Select …
LINING	Lining	● Descriptive ○ N/A	Select …
MATERIAL	Material	○ Descriptive ● N/A	

- In "edit" mode, these are all displayed as "read-only"
- A Finished Good can never have "Selectable" features
- Multiple Descriptive Features
  - See processing in the previous section

8.10 Product Features: Technical Notes

- Features
  - When adding a VIRTUAL or FINISHED_GOOD Product the PRODUCT_FEATURE_APPL entity must reflect all decisions made upon entry
  - In the example above, this means that 4 rows would be added for the Product

SELECTABLE_FEATURE	COLOR_xxx
SELECTABLE_FEATURE	SIZE_xxx
DISTINGUISHING_FEATURE	HEEL_HEIGHT_3
DISTINGUISHING_FEATURE	LINING_BLACK

- The values for the Descriptive Features HEEL_HEIGHT and LINING are determined by the user selection

- The values for the Selectable Features COLOR and SIZE are derived; select the first available value to create these rows. For example:

SELECTABLE_FEATURE	COLOR_BLACK
SELECTABLE_FEATURE	SIZE_SMALL

- This technique ensures that when adding a VARIANT, the system can view the Features on the VIRTUAL and be sure to offer the correct features as either "Selectable" or "Descriptive"

- From the UI Guideline above, this approach also ensures that when adding a VARIANT, that the "Material" Feature will not be prompted since the user indicated this was "not applicable"

8.11 Product Detail: Identifications & Attributes

Product Identifications & Attributes

SKU:
Google ID:
ISBN:
Manufacturer ID:
Multi Select Variant: Drop-down
Gift Message: O Yes ● No
PDP Qty Min:
PDP Qty Max:
PDP Qty Default:

- Identifications

  - The available "identifications"
    - SKU
    - Google ID
    - ISBN
    - Manufacturer ID

  - The system parameter PRODUCT_INC_GOOD_ID contains a list of Good Identification Type ID's that should be used to determine which ID's are displayed in this component

- The attribute GOOD_IDENTIFICATION_TYPE.DESCRIPTION should be used for the label
- Helper Text

  [Label] (Variant Only) Virtual [label] is non-blank:
  "Only enter a VARIANT [label] if it differs from the VIRTUAL [label]. Leave the VARIANT [label] blank in order to use VIRTUAL [label] [virtual-value]"

  Virtual [label] is blank:
  "The VIRTUAL [label] is currently blank. If you have a [label] value for this VARIANT then enter the value"

- OFBiz Mapping:

  Product Identifications: GOOD_IDENTIFICATION entity

- Product Attributes
  - Multi Select Variant
    - this only applies to VIRTUAL products
  - Checkout Gift Message
    - Only applies to "buyable" products (Variant or Finished-Good)
  - Processing

Multi Select Variant	Drop Down. Valid values are "NONE", "QTY" or "CHECKBOX" See spec "*BF Product Detail Page.doc*" for more details
Checkout Gift Message	Radio Button. Valid values are "Yes" or "No". Should be stored as TRUE or FALSE. See spec "*BF Cart and Checkout.doc*" for more details
PDP Qty Min PDP Qty Max PDP Qty Default	All fields should accept a numeric integer value. "If entered, [PDP-Qty-xxx] must be a whole number" PDP-Qty-Min/Max, if entered, must greater than zero "If entered, PDP-Qty-XXX must be greater than zero" If either of PDP-Qty-Min or PDP-Qty-Max is entered then BOTH must be entered (this avoids having to mix Product overrides with system parameter values): "If you enter a value for either PDP-Qty-Min or PDP-Qty-Max then both must be entered" PDP-Qty-Max must be greater or equal to PDP-Qty-Min "PDP-Qty-Max must be equal or greater than PDP-Qty-Min" PDP-Qty-Default, if entered, must be a whole number

	"If entered, PDP-Qty-Default must be a whole number"

- Helper Text

Multi Select Variant	Defines if a Product can have more than one Variant selected on a PDP
Checkout Gift Message	Defines if a Product can have a Gift Message entered by the Customer in the Shopping Cart. It overrides the system parameter CHECKOUT_GIFT_MESSAGE which is currently set to [sys-parm-value]
PDP Qty Min	Defines the MINIMUM quantity that can be added to the cart. It overrides the system parameter PDP_QTY_MIN which is currently set to [sys-parm-value]
PDP Qty Max	Defines the MAXIMUM quantity that can be added to the cart. It overrides the system parameter PDP_QTY_MAX which is currently set to [sys-parm-value]
PDP Qty Default	Defines the DEFAULT quantity that will appear in the Qty field on the PDP. It overrides the system parameter PDP_QTY_DEFAULT which is currently set to [sys-parm-value]

- OFBiz Mapping (PRODUCT_ATTRIBUTE)

Multi Select Variant	ATTR_NAME: "PDP_SELECT_MULTI_VARIANT"
Checkout Gift Message	ATTR_NAME: "CHECKOUT_GIFT_MESSAGE". ** If the ATTR_NAME is not available then use the value of the system parameter CHECKOUT_GIFT_MESSAGE. It is NOT necessary to store this value unless it is an override to the system parameter value.
Min, Max and Default Qty attributes	ATTR_NAME: PDP_QTY_MIN ATTR_NAME: PDP_QTY_MAX ATTR_NAME: PDP_QTY_DEFAULT ** If the ATTR_NAME is not available then use the value of the system parameter of the same name. It is NOT necessary to store this value unless it is an override to the system parameter value.

8.12 Product Detail: Footer

Back **Save** **[toolbar icons]**

- In "Add" Mode, all [toolbars] are hidden
- "Save"
  - Single Product update: database should be updated for the specific product

- Group Update: ALL products passed from the “Edit Group” should be updated
- Success message. “Your PRODUCT changes ([product-id] “:” [product-short-name]) have been saved.”

- “Back”, return to List Screen

- Warning Text

  “You may need to re-index SOLR in Admin/Tools for Product changes to take effect”

9 Product Variant

9.1 Variant List

product variants

Product Variants: 1000001 - Short Dress

	Variant ID	Item#	Intro Date	Disco Date	List Price	Sale Price		BF Tot Invent	BF Whs Invent	Color	S
☐	9412	A107-BS	01/01/11		$12.99	$9.99		5	3	Black	S
☐	9413	A107-BM	01/01/11		$19.99	$16.99		23	21	Black	M
☐	9415	A107-BL	01/01/11		$21.99	$17.99		999	100	Black	L
☐	9416	A107-RS	04/01/11	06/01/11	$32.99	$28.99		999	100	Red	S
☐	9417	A107-RM	01/01/11		$109.99	$99.99		17	12	Red	M
☐	9418	A107-RL	01/01/11		$99.99	$79.99		8	2	Red	L

Back Add Edit Group [toolbar

9.2 Processing

- OFBiz Mapping
  - Variant ID: PRODUCT_ID
  - Item#: INTERNAL_NAME
  - Color / Size: from Facets, FEATURE_APPL entities

- List / Sale Price:
  - Always shows a price, from the Variant if a price is available
  - If List Price is blank on the Variant, the show the List price from the Virtual
  - If Sale Price is blank on the Variant, then show the Sale price from the Virtual

- "Info" helper:

  - The "info" helper message will display information as to whether the List/Sale Price is directly from the Variant (override to Virtual) OR is showing the default pricing from the Virtual product

  - Information is always shown, for both List and Sale price, with a line break between each of the displays

  - If Variant List Price is non-blank:
    - List Price [Variant-List-Price] overrides the Virtual List Price [Virtual-List-Price]

  - If Variant List Price is blank
    - List Price displayed [Virtual-List-Price] is derived from the Virtual Product

  - If Variant Sale Price is non-blank:
    - Sale Price [Variant-Sale-Price] overrides the Virtual Sale Price [Virtual-Sale-Price]

- If Variant Sale Price is blank
  - Sale Price displayed [Virtual-Sale-Price] is derived from the Virtual Product

- An additional display will indicate if the Product is "In Store Only" based on PRODUCT_ATTRIBUTE (attr_name PDP_IN_STORE_ONLY) = "Y"
  - This is an IN STORE ONLY product

- Example:

List Price $199.99 overrides the Virtual List Price $201.99 Sale Price $169.99 overrides the Virtual Sale Price $189.99 This is an IN STORE ONLY product

9.3 Actions:

- Variant ID:
  - Redirect to the Product Detail page in "edit Variant" mode

- "Add":
  - redirect to the Product Detail page in "add a Variant" mode

- "Edit Group":
  - TODO: NO DEV ACTION REQUIRED
  - Background: For Moda, the Product Descriptions for variants change. Specifically for one of the primary Selective attributes. So, based on the display above they would select all "Black" items (the first 3), click Edit-Group, pass control to Product Detail screen, allow for a change to the Description fields, and apply to all variants
  - For most other clients, the Product Description on the VIRTUAL will be used to all VARIANTS so this is not a priority

- "Copy"
  - TODO: NO DEV ACTION REQUIRED

- Add Variant "Matrix"
  - TODO: NO DEV ACTION REQUIRED
  - Background: this feature will offer a "matrix or list" of all combinations of "Selectable" feature attributes.
  - Users will then be able to check which combinations should be used to create an initial set of Variant products

10 Product Pricing

10.1 Overview

- For the initial phase, BigFish will offer simple List/Sales pricing or a Volume Discount pricing structure
- The primary radio-button is used to determine which pricing model is already in place
- The display will change dynamically when the other radio-button is selected (data should be retained if the user clicks back to the other radio-button)

10.2 Visual Guideline (showing simple List/Sales pricing)

- Helper Text
  - if displaying a VIRTUAL product

Simple Pricing	Simple Pricing for the VIRTUAL product can be used to control pricing for all the VARIANTS. Modify the pricing on this page and leave VARIANT prices blank. If you have VARIANT override pricing simply modify the pricing for the specific VARIANTS.
Volume Pricing	Volume Pricing for the VIRTUAL product needs to be duplicated on the VARIANT products. Volume Pricing does NOT filter down to the associated VARIANTS.

  - If displaying a VARIANT product

Simple Pricing	Leave the Simple Pricing blank for any VARIANT product that will use the pricing from the parent VIRTUAL product. In other words, only enter pricing if you want to override the VIRTUAL values.
Volume Pricing	Volume Pricing for the VARIANT is required, it will NOT filter down from the parent VIRTUAL product.

- If displaying a FINISHED GOOD
  - Do NOT display the helper icons

- Warning Text
  - "You may need to re-index SOLR in Admin/Tools for Product Prices and other changes to take effect. This is particularly true if the VIRTUAL pricing has been modified, since that is used by SOLR for the PLP. Pricing on the PDP is always retrieved dynamically."

10.3 Visual Guideline (showing Volume pricing)

- Helper Text
  - Same as above

- Warning Text
  - Same as above

10.4 Processing

- If the Volume radio-button is clicked and there are not any rows currently available then display 3 open rows for the initial presentation

- Insert Before :
  - tool-tip reads "Insert a new Pricing row BEFORE this row"
  - will insert a new row BEFORE the selected row

- Insert After :
  - tool-tip reads "Insert a new Pricing row AFTER this row"
  - will insert a new row AFTER the selected row

- Delete
  - tool-tip reads "Delete this Pricing row"
  - Will delete the selected row
  - If the Row deleted is the last row displayed, then the icon will be displayed so that the user can add a new row

- Save:
  - Save data to the appropriate OFBiz entities

- Back:
  - Pass control back to the previous screen without saving the data

- Validation:
  - To Qty must be greater than From Qty for each row. Message "The TO-QTY must be greater than the FROM-QTY for all rows"
  - There cannot be gaps in the volume pricing structure:
    - Sort rows by FROM-QTY
    - FROM_QTY (row i) must be one more than TO_QTY (row i – 1)
    - Last row TO-QTY can be left blank to identify an unlimited quantity
    - Message "Your volume pricing structure has quantity gaps. Please review and try again."

10.5 Technical Note

- Price Volume Discounts are stored in a number of OFBiz entities:

  - PRODUCT_PRICE_RULE
  - PRODUCT_PRICE_COND
  - PRODUCT_PRICE_ACTION

- Price Rule ID's should be auto-generated:

Rule name = productId - 'Qty Break-' n

Where productId = OFBiz Product_id
n = row# in the sliding scale

- Pseudo Code Example for retrieval is as follows:

Implementation	GMH DEV
Product (Item#)	65
Product Name	Surgi Name
Product ID	25163

  - First get the PRODUCT_PRICE_COND for ID 25163

```
select * from product_price_cond
where where input_param_enum_id = 'PRIP_PRODUCT_ID'
and cond_value = '25163'
```

This will return three rows (product_price_rule_id = 10801, 10802, 10803)

- Each PRODUCT_PRICE_RULE_ID represents a specific grouping of volumes. Retrieve this data:

```
select * from product_price_rule
where input_param_enum_id = 'PRIP_QUANTITY'
and product_price_rule = 10801
order by product_price_cond_seq_id
```

This will return rows that typically will have a operator_enum_id = PRC_GTE (greater than or equal) and PRC_LTE (less than or equal). These rows represent a single volume price break.

Repeat for all rule_id's from (1)

- For each RULE_ID there is an equivalent action that sets the price

  ```
  select * from product_price_action
  where product_price_action_type_id = 'PRICE_FLAT'
  and product_price_rule_id = 10801
  ```

  Use the AMOUNT as the sales price for this rule.

  Repeat for all rule-id's from (1)

- Results can ve verified via the website (view the PDP for this product)

- The implementation will be very similar to the PDP code that displays the "Volume Pricing" display box. There should be an opportunity to re-use this logic.

11 Product SEO Meta Tags

11.1 Overview

- NOTE: the functionality is the same as maintaining HTML Meta Tags for CATEGORIES; re-using functional components should be possible

11.2 Visual Guideline

product SEO meta tags

Product SEO Meta Tags: 1000001 - Short Dress

Friendly URL Default:	short-dress
Friendly URL Override:	* 250 character limit (n characters left)
<TITLE> BF Default:	Short Dress
<TITLE> Override:	* 250 character limit (n characters left)
<META DESC> BF Default:	This is a short dress made from silk. It is very nice.
<META DESC> Override:	* 250 character limit (n characters left)
<META KEY> BF Default:	Short Dress
<META KEY> Override:	* 250 character limit (n characters left)

Canonical Override URL:

* 250 character limit (n characters left)

Back Save

11.3 Processing

- Characters left countdown
  - All meta tags should be restricted to 250 characters since common crawlers such as Google and Yahoo will only consider the first 250 characters

- The BF Defaults should be derived in the exact way that there are derived for the eCommerce implementation

- Friendly URL Override Validation:
  - Repeat the "unique" validation described in the "*Product Detail Screen*" section

11.4 Technical Notes

- The content should be stored in the entity PRODUCT_CONTENT

- PRODUCT_CONTENT_TYPE_IDs will be used as follows:

  - SEO_PAGE_URL
  - HTML_PAGE_TITLE
  - HTML_PAGE_META_DESC
  - HTML_PAGE_META_KEY
  - CANONICAL_URL

12 Product Images

12.1 Processing

- Delete capability:
  - The Delete Icon will remove the image completely
  - Popup confirmation required with message "Are you sure you want to delete this image?"
  - Applicable as illustrated in UI guidelines
    - Cannot delete the main PLP or PDP image
    - Can delete main thumbnail and large-popup image
    - Can delete any alternate images

- Save capability:
  - The images are displayed as separate "sections" to manage each of the image types
  - If the Save button is clicked ALL sections should be validated and saved

12.2 Primary Product Images

product primary images

Product Images: 1000001 - Short Dress

Large Image:

Image Name: ef29_large.jpg

Image Path or URL: /osafe_theme/images/products/large/

Type: ● Browse and Upload File ○ URL Reference

New Image: Browse

Thumbnail Image:

Image Name: ef29_thumb.jpg

Image Path or URL: /osafe_theme/images/products/thumb/

Type: ● Browse and Upload File O URL Reference

New Image: Browse

Popup Detail Image:

Image Name: ef29_popup.jpg

Image Path or URL: /osafe_theme/images/products/popup/

Type: ● Browse and Upload File O URL Reference

New Image: Browse

Small Image:

Image Name:	ef29_small.jpg	
Image Path or URL:	/osafe_theme/images/products/small/	
Type:	● Browse and Upload File O URL Reference	
New Image:		Browse
PLP Image Title Text:		
Small Image ALT:		
Image Name:	ef29_alt.jpg	
Image Path or URL:	/osafe_theme/images/products/alt/	
Type:	● Browse and Upload File O URL Reference	
New Image:		Browse

Back Save [toolbar icons

- Populate fields as follows (PRODUCT_CONTENT):
  - Large Image: LARGE_IMAGE_URL
  - Thumbnail Image: THUMBNAIL_IMAGE_URL
  - Popup Detail Image: DETAIL_IMAGE_URL
  - Small Image: SMALL_IMAGE_URL
  - Small Image Alt: SMALL_IMAGE_URL_ALT
  - PLP Image Title Text: SMALL_IMAGE_ALT

- Size images as follows (XPROD_STORE_PARM):
  - Large Image: IMG_SIZE_PDP_REG_x
  - Thumbnail Image: IMG_SIZE_PDP_THUMBNAIL_x
  - Popup Detail Image: IMG_SIZE_PDP_POPUP_x
  - Small Image: IMG_SIZE_PLP_x
  - Small Image Alt: IMG_SIZE_PLP_x

  (where x = “H” for Height and “W” for Width)

- Image change and “Browse” function
  - The Browse button will popup a standard dialog box to prompt for the new file from the local file system
  - Replace preview image with new image

- Helper Text
  - Large Image: Used as the initial primary image display in the PDP
  - Thumbnail Image: Used as the thumbnail for the primary image image in the PDP

- Popup Detail Image: Used as the popup image when the customer clicks on "View Larger Image" or similar
- Small Image: Used in PLP, Shopping Cart, Xref, Ratings-and-Reviews, Order Summary and Confirmation.
- PLP Image Title Text: Used as the Title Text on PLP
- Small Image ALT: Used in PLP "alternate" image view (typically on hover)

12.3 Alternate Product Images

- this is NOT a separate page, rather an extension of the "image" page
- there are a total of 5 possible alternate image sets
- this screen will display all sets that are available, plus displays of placeholders for all sets that are not loaded, in other words: this section will always display all 5 alternate sets whether they are loaded or not
- the "no image loaded" image should be used "as is", do not set height or width

product alternate images

Product Alternate#1 Images: 1000001 - Short Dress

Large Image:

Image Name: ef29_large.jpg

Image Path or URL: /osafe_theme/images/products/large/

Type: ● Browse and Upload File ○ URL Reference

New Image: Browse

Thumbnail Image:

Image Name: ef29_thumb.jpg

Image Path or URL: /osafe_theme/images/products/thumb/

Type: ● Browse and Upload File O URL Reference

New Image: Browse

Popup Detail Image:

Image Name: ef29_popup.jpg

Image Path or URL: /osafe_theme/images/products/popup/

Type: ● Browse and Upload File O URL Reference

New Image: Browse

Back Save [toolbar icons]

Product Alternate#2 Images: 1000001 - Short Dress

Large Image:

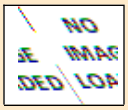
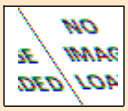
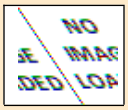


Image Name:

Image Path or URL: /osafe_theme/images/products/large/

Type: ● Browse and Upload File O URL Reference

New Image: Browse

Thumbnail Image:		
Image Name:		
Image Path or URL:	/osafe_theme/images/products/thumb/	
Type:	● Browse and Upload File O URL Reference	
New Image:		Browse
Popup Detail Image:		
Image Name:		
Image Path or URL:	/osafe_theme/images/products/popup/	
Type:	● Browse and Upload File O URL Reference	
New Image:		Browse

Back **Save** **[toolbar icons]**

Product Alternate#3 Images: 1000001 - Short Dress

- This example shows when Alternate #1 is available but the other optional alternate sets are not.
  - Logic should show the next alternate image set (#2) with all fields available for editing
  - All subsequent image sets should be shown as "closed boxes", clicking on the sign will "expand" the box accordingly so that images can be added
  - When "expanded", the icon will be replaced with a "collapse" image

- Populate fields as follows (PRODUCT_CONTENT):
  - Large Image: XTRA_IMG_n_LARGE
  - Thumbnail Image: ADDITIONAL_IMAGE_n
  - Popup Detail Image: XTRA_IMG_n_DETAIL

  (Where n = 1 thru 5)

- Size images as follows (XPROD_STORE_PARM):
  - Large Image: IMG_SIZE_PDP_REG_x
  - Thumbnail Image: IMG_SIZE_PDP_THUMBNAIL_x
  - Popup Detail Image: IMG_SIZE_PDP_POPUP_x

  (where x = "H" for Height and "W" for Width)

- Image change and "Browse" function
  - The Browse button will popup a standard dialog box to prompt for the new file from the local file system
  - Replace preview image with new image

- Helper Text
  - Large Image: Used as the alternate primary image display in the PDP
  - Thumbnail Image: Used as the thumbnail for the alternate image image in the PDP
  - Popup Detail Image: Used as the popup image when the customer clicks on "View Larger Image" or similar

12.4 Product "Swatch" Image

- this is NOT a separate page, rather an extension of the "image" page

- this is maintaining the image PLP_SWATCH_IMAGE and the PDP_SWATCH_IMAGE:
  - For the PLP:
    - this image defines the product specific swatch that will be displayed on the PLP (overriding the image for the Feature which is maintained in *BF-Admin-Module-Content: Manage SOLR Facet Values*)

- Size images as follows (XPROD_STORE_PARM):
  - PLP Swatch: IMG_SIZE_PLP_SWATCH_x
  - PDP Swatch: IMG_SIZE_PDP_SWATCH_x

  (where x = "H" for Height and "W" for Width)

- the "no image loaded" image should be used "as is", do not set height or width

product swatch image

Product Swatch Image: 1000001 - Short Dress

PLP Swatch Image:

Image Name: orange_swatch.jpg

Image Path or URL: /osafe_theme/images/products/swatch/

Type: ● Browse and Upload File ○ URL Reference

New PLP Swatch Image: Browse

PDP Swatch Image:

Image Name: blue_swatch.jpg

Image Path or URL: /osafe_theme/images/products/swatch/

Type: ● Browse and Upload File ○ URL Reference

New PDP Swatch Image: Browse

Back Save [toolbar icons]

13 Product Attachments

13.1 Processing

- Accommodate up to 3 Product Attachments
- Stored as PRODUCT_CONTENT
  - PRODUCT_CONTENT_TYPE = "ATTACH_URL_nn"

13.2 Visual Guideline

product attachments

Product Attachment #1: 1000001 - Short Dress

File Name:	orange_swatch.jpg
File Path or URL:	/osafe_theme/images/products/attach/
Type:	● Browse and Upload File ○ URL Reference
New File:	Browse

Product Attachment #2: 1000001 - Short Dress

Same

Product Attachment #3: 1000001 - Short Dress

Same

Back **Save** **[toolbar icons]**

14 Manage Product Videos

14.1 Processing

- Delete capability:
  - The Delete Icon will remove the Video completely
  - Popup confirmation required with message "Are you sure you want to delete this video?"

14.2 Visual Guideline

product videos

Product Videos: 1000001 - Short Dress

Video URL:

Video Name: short_dress_video.swf

Video Path or URL: /osafe_theme/video/products/

Type: ● Browse and Upload File ○ URL Reference

New Video: Browse

360 Video URL:

Video Name: short_dress_360.swf

Video Path or URL:	/osafe_theme/video/products/	
Type:	● Browse and Upload File O URL Reference	
New 360 Video:		Browse

Back Save

- Populate fields as follows (PRODUCT_CONTENT):
  - Video: PDP_VIDEO_URL
  - 360 Video: PDP_VIDEO_360_URL

- Size images as follows (XPROD_STORE_PARM):
  - Video: IMG_SIZE_PDP_VIDEO_x
  - 360 Video: IMG_SIZE_PDP_VIDEO_360_x

  (where x = "H" for Height and "W" for Width)

- Image change and "Browse" function
  - The Browse button will popup a standard dialog box to prompt for the new file from the local file system
  - Replace preview Video with new video

- Helper Text
  - New Video
    Videos should be in SWF format or a URL reference to YouTube or a similar hosted environment. Any other formats may not be viewable as expected.

15 Manage Category to Product Membership

15.1 Processing

- Accessed via the Product Detail "Move" helper button
- Pre-populate with existing Category/Product membership information
- All rows should be displayed (no scrolling components)
- If there are no related products on entry to this screen then offer a single blank row with the "+" icon available

15.2 List

Column	Alignment, formatting rules, comment
Nav Bar	left-aligned
Sub Item	left-aligned
Delete button	Delete the row

15.3 Sort Sequence

- Seq#, ascending

15.4 Visual Guideline

category / product membership

Category Membership for Product 10000: Red Dress

Nav Bar	Sub Item	Actions
Top Trends	Dresses	
Brands	Donatella	

Back Save [toolbar icons]

- If there are not any rows currently available then display 1 open row for the initial presentation

- Validation:
  - Cannot associate a product to the same Category level more than once.
    - Error "The Product has been associated to the same Category more than once"
  - Must have at least one membership association
    - Error "A Product must have at least one Category Membership"

- Actions
  - "Save"
    - Re-sequence in multiples of 10 before saving

- "Delete"
  - tool-tip reads "Remove the Product from this Category"
  - Confirmation Message "Are you sure you want to remove Product 10003 from Top Trends / Dresses?"
  - A Delete action will remove the row from the display but will NOT update the database, the changes will be made to the database on "Save"
  - If the Row deleted is the last row displayed, then the icon will be displayed so that the user can add a new row

- "Insert Before"
  - tool-tip reads "Insert a new Member row BEFORE this row"
  - Prompt for a single category using the Product Category Picker component
    - See spec "BF Admin Module Generic Pickers.doc" for details
  - Insert a row BEFORE to the row clicked with the selected details

- "Insert After"
  - tool-tip reads "Insert a new Member row AFTER this row"
  - Prompt for a single category using the Product Category component
  - Insert a row AFTER to the row clicked with the selected details

- "Save" message. "Your Product-Category Membership changes for Product: 10003 have been saved"

- "Back", return to List Screen

16 Manage Product Associations

16.1 Processing

- Accessed via the Product List and associated screens
- Default to "Complement" and pre-populate with existing Product Associations information
- All Product Associations should be displayed (no scrolling components)
- Only NON Variant Products should be offered
- If there are no product associations available to this screen then offer a single blank row with the "+" icon available

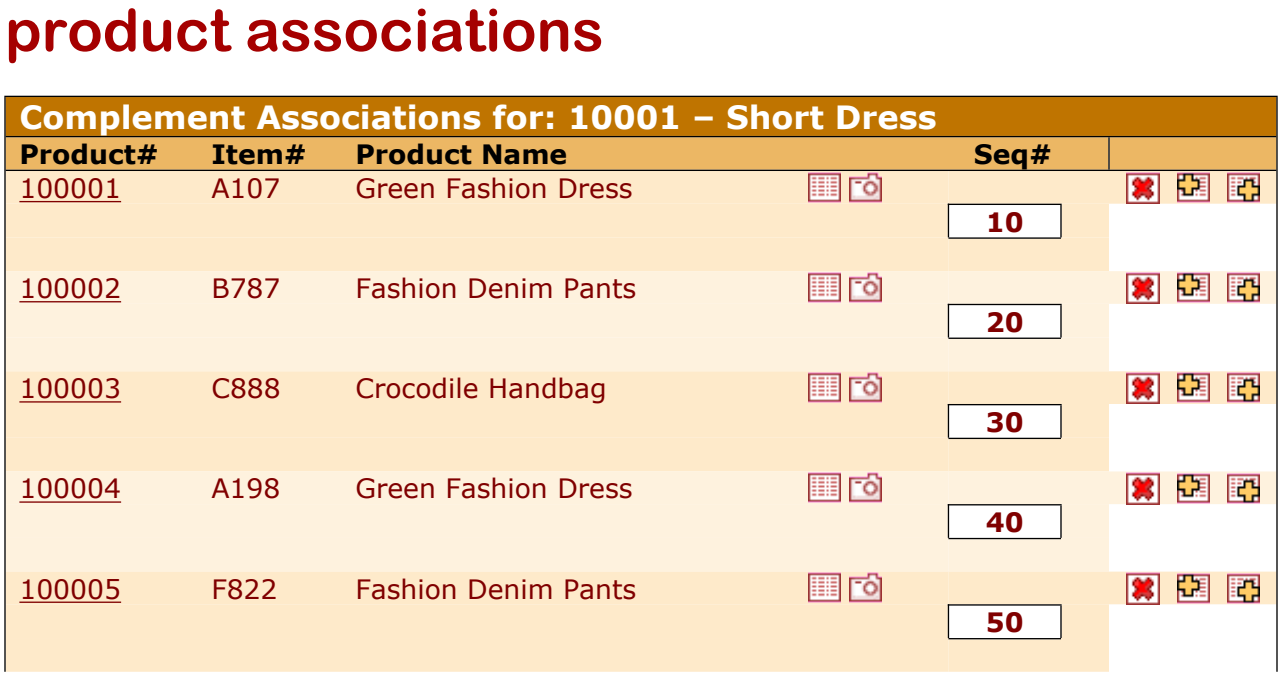
16.2 List

Column	Alignment, formatting rules, comment
Product ID	left-aligned
Item#	left-aligned
Name	left-aligned
	special component that on "hover" will popup a "tooltip" with the full product description; no click event
	Display the Product Image (same as Product List screen) on hover; no click event
Seq#	Centered
Delete button	Delete the row

16.3 Sort Sequence

- Seq#, ascending

16.4 Visual Guideline



100006	F444	Crocodile Handbag	60	

Accessory Associations for: 10001 – Short Dress				
Product#	**Item#**	**Product Name**	**Seq#**	
100091	A107	Green Fashion Dress	10	
100092	B787	Fashion Denim Pants	20	

Back **Save** **[toolbar icons]**

- If there are not any rows currently available then display 1 open row for the initial presentation

- Validation
  - Complement: Cannot associate a product more than once.
    - Error "Complement Error. You cannot associate a Product more than once [product-name]"

  - Accessory: Cannot associate a product more than once.
    - Error "Accessory Error. You cannot associate a Product more than once [product-name]"

- Actions

  - "Save"
    - This action will validate and save BOTH the Complement and Accessory modifications
    - Re-sequence both in multiples of 10 before saving

  - "Delete"
    - tool-tip reads "Delete this Product Association"
    - Confirmation Message "Are you sure you want to delete the Product Association 10003: Crocodile Handbag?"
    - A Delete action will remove the row from the display but will NOT update the database, the changes will be made to the database on "Save"
    - If the Row deleted is the last row displayed, then the icon will be displayed so that the user can add a new row

  - "Insert Before"

        - tool-tip reads "Insert a new Product Association row BEFORE this row"
        - Prompt for a single product using the Product Picker component
            - See spec "*BF Admin Module Generic Pickers.doc*" for details
        - Insert a row BEFORE to the row clicked with the selected details

    - "Insert After"
        - tool-tip reads "Insert a new Product Association row AFTER this row"
        - Prompt for a single product using the Product Picker component
            - See spec "*BF Admin Module Generic Pickers.doc*" for details
        - Insert a row AFTER to the row clicked with the selected details

- "Save" message. "Your Product Association changes ([master-product]) have been saved"

- "Back", return to List Screen

16.5 Technical Notes

- Product Associations are stored in the OFBiz entity PRODUCT_ASSOC

- The type is stored in PRODUCT_ASSOC_TYPE_ID attribute, possible values are one of:

    - PRODUCT_COMPLEMENT
    - PRODUCT_ACCESSORY

- Key attributes are:

    - PRODUCT_ID = this Product
    - PRODUCT_ID_TO = associated product
    - SEQUENCE_NUM = seq#
    - FROM_DATE = used to manage active/inactive
    - THRU_DATE = used to manage active/inactive

17 Manage Product Feature Sequencing

17.1 UI Guideline

- These functions mimic the "Manage SOLR Facet Values" function defined in the *BF-Admin-Module-Admin* spec
- Processing in these functions is PRODUCT specific

manage product feature sequencing

Features for Product: NARINDA	
Facet Group	**Facet Values**
COLOR	Edit
MATERIAL	Edit
SIZE	Edit
STYLE	Edit
ETC	Edit

Back **[toolbar icons]**

17.2 Detail Screen

manage product feature sequencing

Feature Sequencing for Product: NARINDA		
Feature ID	**Hide / Show**	**Seq#**
COLOR_RED	O Hide ● Show	10
COLOR_BEIGE_TAN	O Hide ● Show	20
COLOR_WHITE	O Hide ● Show	30
COLOR_BLUE	O Hide ● Show	40
COLOR_GREEN	O Hide ● Show	50

Back Save **[toolbar icons]**

- Technical Notes
  - The OFBiz Entity is PRODUCT_FEATURE_APPL
- Hide / Show should be controlled by manipulating the "thru" date
  - Hide: thru-date = [system-date less one day]
  - Show: thru-date = null

- Sequence number should be “re-sequenced” in multiples of 10 upon Save
- “Save” message. “Your Product Feature Sequencing has been saved (changes may not take affect until SOLR is re-indexed)”
- “Back”, return to the List screen
- Validation:
  - Seq# must be numeric and between 1 and 1000
    - Error: “The Seq# must be numeric and between 1 and 1000”
- Warning Text
  - “You may need to re-index SOLR in Admin/Tools for these changes to take effect”

18 Manage PLP Sequence

18.1 Processing

- Accessed via the Catalog List screen
- Pre-populate with all Products for the Category passed
- All Products should be displayed (no scrolling components)

18.2 List

Column	Alignment, formatting rules, comment
Product ID	centered
Item#	left-aligned
Name	left-aligned
	special component that on "hover" will popup a "tooltip" with the full product description; no click event
	Display the Product Image (same as Product List screen) on hover; no click event
Seq#	centered

18.3 Sort Sequence

- Seq#, ascending

18.4 Visual Guideline

manage PLP sequence

Re-sequencing Products: All Dresses

Product#	Item#	Product Name		Seq#
100001	A107	Green Fashion Dress		10
100002	B787	Fashion Denim Pants		20
100003	C888	Crocodile Handbag		30
100004	A198	Green Fashion Dress		40
100005	F822	Fashion Denim Pants		50
100006	F444	Crocodile Handbag		60

Back **Save**

- Actions
  - "Save"
    - Re-sequence in multiples of 10 before saving

- "Save" message. "Your PLP Sequence changes ([catalog-entry]) have been saved"

- "Back", return to List Screen

18.5 Technical Notes

- The sequence is stored in PRODUCT_CATEGORY_MEMBER.SEQUENCE_NUM

19 Manage Manufacturers

19.1 Page Title

- view manufacturers

19.2 Search Capability

- Manufacturer#, exact match
- Manufacturer Name, contains

19.3 List

- Manufact#, left-aligned
- Name, left-aligned
- Short Description, left aligned
- Address, left-aligned

19.4 Sort Sequence

- Manufact#

19.5 Visual Guideline

view manufacturers

Enter Search Criteria ☐ **All Stores**

Manufacturer#:

Name:

Search

<< Previous Page **Showing Rows 1-8 of 300**

Matching Manufacturers

Manufact#	Name	Short Description		Address
PARTY01	Name	Short Description		See Processing
PARTY02	Name	Short Description		See Processing
PARTY03	Name	Short Description		See Processing
PARTY04	Name	Short Description		See Processing
PARTY05	Name	Short Description		See Processing
PARTY06	Name	Short Description		See Processing
PARTY07	Name	Short Description		See Processing

Back **Add**

19.6 Processing

- Address:
  - Address-Line-1 + ", " + City/Town + ", " + State/Province

19.7 Toolbar Actions

-
  - On "hover" will display a popup dialog that displays the full description
  - Use the "tooltip" approach (see *BF-Admin-Module-General*)

-
  - Tooltip is set to "Edit Manufacturer Details"
  - Redirect to the Maintain Manufacturer page in "edit" mode
  - Manufact# link duplicates this processing

19.8 Technical Note

- Role:
  - PARTY -> PARTY_ROLE
    - PARTY_ROLE.ROLE_TYPE_ID
      - MANUFACTURER

- Multi Store Consideration
  - Product Store ROLE:
    - PARTY -> PRODUCT_STORE_ROLE
      - PRODUCT_STORE_ROLE.ROLE_TYPE_ID
        - MANUFACTURER

20 Manufacturer Detail

20.1 Main Customer Section

manufacturer detail (PARTY05)

Manufacturer PARTY05 Information **Store: XYZ**

* Manufacturer#:	PARTY05
* Name:	Calvin Klein Designs
* Short Description:	Calvin Klein Designs, the best designer in the world
Long Description:	Calvin Klein Inc. is a fashion house founded by American fashion designer Calvin Klein. The company is headquartered in Midtown Manhattan, New York City and is currently owned by Phillips-Van Heusen.

Profile Image

Profile Image:	
Image Name:	calvin_klein.jpg
Image Path or URL:	/osafe_theme/images/products/designers/
Type:	● Browse and Upload File ○ URL Reference
New Profile Image:	Browse

Address

* Country:	Drop-down
* Address-1:	
Address-2:	
* City:	
* State:	drop-down
* Zip:	

- Add vs Edit Mode

	Field Type	Add Mode	Edit Mode
Manufacturer#	Entry	Editable. On SAVE this cannot be a duplicate of an existing PARTY record	Display only
Name	Entry, req	Editable	Editable
Short Description	Entry, req	Editable	Editable
Long Description	Entry, opt	Editable	Editable
Image	Opt	Editable	Editable
Country	Drop-down, req	Editable	Editable
Address-1	Entry, req	Editable	Editable
Address-2	Entry, opt	Editable	Editable
City	Entry, req	Editable	Editable
State	Drop-down, req	Editable	Editable
Zip	Entry, req	Editable	Editable

- Validation
  - Manufacturer# (Add Mode only):
    - Must be a valid ID, see spec "*BF-Admin-Module-General.doc*"
  - Name
    - Required field. Error: "Name is a required field."
  - Address
    - See spec "BF Customer Account Management.doc" for standard Address validation