



BF Cart and Check Out.doc

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1 Modification History

Date	Who	Comments
13-Dec-10	Solveda	Initial
14-Jan-11	Solveda	Checkout Flow Screens
19-Jan-11	Solveda	Order Confirmation, Thank you pages
26-Jan-11	Solveda	Updated Shopping Cart page
08-Feb-11	Solveda	Updated Shipping Address message; bolded 'n item(s)'
09-Feb-11	Solveda	Updated Thank you page, added display box around message
17-Feb-11	Solveda	Updated Shipping Address visual; moved address btn, added delete btn
17-Feb-11	Solveda	Added espots
19-Apr-11	Solveda	Update Shipping Method section
21-Apr-11	Solveda	<ul style="list-style-type: none"> Renamed "Payment Method" to "Order Summary" Modified "Order Summary" to include "Order Lines", "Billing Address", "Shipping Address", and "Payment Entry" Removed "List Credit Cards" Changed to allow submitting the order from the "Order Summary" page Replaced the "Thank You" page with a revised "Order Confirmation" page that mirrors our "Order Status" page and has the foot print at the top
26-Apr-11	Solveda	Update order Confirmation Thank you.
12-Sep-11	Solveda	Section 6: Order Summary. Moved the credit-card payment box to be more prominent on the page.
1-Nov-11	Solveda	Guest Check Out (also see document " <i>BF Customer Account Management.doc</i> ")
9-Nov-11	Solveda	Guest Checkout: prompt for first-last name in Personal Info box. Also prompt for HTML/Text preference.
16-Nov-11	Solveda	Modified to remove the "enter offer code" option from the View Cart and move it to the Order Summary page. Also modified Order Summary to show Items higher on the page.
17-Jan-12	Solveda	Modified how Promotions are applied, displayed, removed.
19-Jan-12	Solveda	Added ability to "Pickup In Store" (also see <i>BF-Store-Locator</i> for related details)
25-Jan-12	Solveda	Technical notes / guidance for "Pickup In Store" implementation
26-Jan-12	Solveda	Modifications for "Pickup-in-Store" based on dev review. Also added consistency between all displays so that processing will be more stream-lined (example: Order-Confirmation is now represented as a "display-only" version of the Order-Summary page).
7-Feb-12	Solveda	Added technical guidance to specify usage of ORDER_ATTRIBUTE: <ul style="list-style-type: none"> ATTR_NAME = "DELIVERY_OPTION" ATTR_VALUE = "SHIP_TO" or "STORE_PICKUP" or "COD"
23-Feb-12	Solveda	Enhanced styling for "Enter Offer Code" section in Order Summary. Also added "Offer Price" if applicable.
4-May-12	Solveda	Rules for parameter CHECKOUT_PROMO_MANUAL_ONE_ONLY

8-May-12	Solveda	Check Qty changes against new parameters PDP_QTY_MIN, PDP_QTY_MAX
25-May-12	Solveda	Zero Qty in cart removes the line item.
8-Jun-12	Solveda	<ul style="list-style-type: none"> - removed the hard link between Guest-Check and Single-Page. We will be offering single-page or multi-step checkout flows as an option regardless of Guest or Registered User. - Also added Promo (Coupon Code) entry on the View Cart page. - Added DIV-Sequencing for all pages - Added ability to store and select payment methods
13-Jun-12	Solveda	Clarified payment processing, verification information, and saved credit card flow.
20-Jun-12	Solveda	Modified Billing-and-Shipping Address interaction for Registered User check out (both multi-page and single-page) to be more consistent.
20-Jun-12	Solveda	Reduce BF Inventory attributes on Order Confirmation.
26-Jun-12	Solveda	Special processing to exclude Next-Day shipping options if BF-warehouse-inventory is not available.
6-Jul-12	Solveda	Added "General Processing" section with guidelines for the "same as billing" function
12-Jul-12	Solveda	Added flexibility to use or hide the Credit Card Verification information (1800FishOil does not need this).
17-Jul-12	Solveda	Clarified special-processing for Pickup In Store payment options.
30-Jul-12	Solveda	PayPal is only offered if CHECKOUT_ALLOW_PAYPAL is set to TRUE
31-Jul-12	Solveda	Consider system parameter CHECKOUT_SUPPRESS_TAX_IF_ZERO
2-Aug-12	Solveda	Hide credit-card options if the sequence is zero
6-Aug-12	Solveda	Allow for the integration of the EBS_WorldPay payment gateway, used for Indian eCommerce retailers.
6-Aug-12	Solveda	Added Credit Card validation.
27-Aug-12	Solveda	Processing rules for parameter CHECKOUT_CONFIRM_GET_COOKIE
5-Sep-12	Solveda	Shopping-Cart to show estimated shipping and tax charges
21-Dec-12	Solveda	Added COD (Cash on Delivery) and Google-Checkout
8-Apr-13	Solveda	Reference to "BF BlueDart Integration.doc" spec
9-Apr-13	Solveda	Added "Additional Email Notification" section to Order Confirmation
12-Apr-13	Solveda	Logic to skip the Shipping Charge step if ALL the products in the Cart do not have Shipping Charges.
18-Apr-13	Solveda	Added "Printable PDF" on the Order Confirmation
29-Apr-13	Solveda	Added new parameter CHECKOUT_ALLOW_CC – determines if credit cards are allowed during checkout (some India clients only allow "EBS" or "PayPal")
30-Apr-13	Solveda	Adding Shipping Method Standard Processing to document requirements for "no shipping applies", "only offer USPS for PO Box deliveries" and "limit shipping methods for international deliveries"
10-Jun-13	Solveda	Added "Delivery Instructions" to shipping section
10-Jun-13	Solveda	Added "Gift Card Processing" section
11-Jun-13	Solveda	Added "Gift Messages", ability to capture a personalized note for each items in the cart.

26-June-13	Solveda	Changed "Shipping Address" checkout page (or section in Single-Page-Checkout) to be "Confirm Address" (was causing confusion with Shipping Method page. Clarified checkout when ALL products in the cart have NO shipping (Shipping Method page or section is skipped/hidden)
2-Jul-13	Solveda	Reworked "Pickup in Store" to be consistent across Multi and Single checkout workflows. Rework and clarify Gift Card processing.
8-Jul-13	Solveda	Special condition for "only one store available" for the Pickup in Store option
22-Jul-13	Solveda	Added "Loyalty Points Processing" section
7-Aug-13	Solveda	Added Indian Payment Gateway, atom PAYNETZ
28-Aug-13	Solveda	Loyalty Points: ability for customers to enter a number of points to redeem
17-Sep-13	Solveda	Optionally list multiple Sales-Tax line items in checkout
27-Sep-13	Solveda	Added page content spot CHECKOUT_CC_VERIFY to payment sections
14-Nov-13	Solveda	Additional processing to check if returning-customer, during check-out flow, has any product QTYs that exceed the product / system parameter PDP_QTY_MAX
20-Nov-13	Solveda	Updates for multiple shipping addresses.
12-Dec-13	Solveda	"Same As Billing" reference to processing in spec " <i><u>BF Billing Shipping and Personal Info.doc</u></i> "
31-Dec-13	Solveda	Clarified requirements for Sales Tax when using multiple Shipping Groups
25-Feb-14	Solveda	Changes to reflect a 255 character limit on shipping instructions and gift messages entry fields.
2-Apr-14	Solveda	Order Confirmation page: added Gift-Message display with ability to edit.
2-Apr-14	Solveda	Usage of parameters GIFT_MESSAGE_FROM_MAX_CHAR, GIFT_MESSAGE_TO_MAX_CHAR, GIFT_MESSAGE_TEXT_MAX_CHAR to manage number of characters allowable and countdown indicator.
7-Apr-14	Solveda	Checks for session-expired and empty-shopping-cart added to the General Processing Rules section
15-Apr-14	Solveda	Added Electronic Funds Transfer (EFT) as a payment option
14-May-14	Solveda	Inventory checks on My-Cart and Submit-Order
2-Oct-14	Solveda	Usage of parm CHECKOUT_PAYMENT_STYLE
7-Oct-14	Solveda	Usage of parm CHECKOUT_ADDRESS_STYLE
19-Nov-14	Solveda	Usage of parm CHECKOUT_SPLIT_SHIP_GROUPS

2 Introduction

2.1 Overview

- This document will describe the various steps for check-out
- This includes:
 - Standard step-by-step credit card checkout
 - Alternative "pickup at store" checkout
 - Single page "guest" checkout
- If CHECKOUT_SINGLE_PAGE is set to "true" then both Guest users and Registered users will be offered a single page
- If CHECKOUT_SINGLE_PAGE is set to "false" then both Guest users and Registered users will be offer a multi-step checkout process

2.2 System Parameters

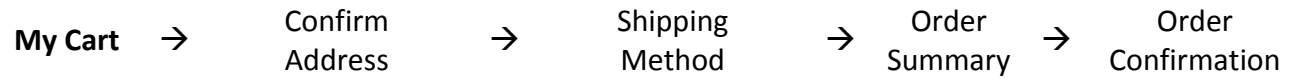
Key	Category	Description	Seed Value
CHECKOUT_CC_CAPTURE_FLAG	CHECKOUT	If set to TRUE then a Payment Gateway "capture" transaction will be executed (after the configured "authorize"). If set to FALSE then the "capture" will not take place, for retailers who want a delayed capture, typically at time of shipping.	TRUE
CHECKOUT_CC_VERIFICATION_REQ	CHECKOUT	If set to TRUE then prompt for the Verification information. If not true then this information is not required for credit card authentication	TRUE
CHECKOUT_AS_GUEST	CHECKOUT	Defines whether a customer can checkout as a Guest, without having to register.	FALSE
CHECKOUT_SINGLE_PAGE	CHECKOUT	Defines whether the Single-Page checkout page is offered by default	FALSE
CHECKOUT_STORE_PICKUP	CHECKOUT	Defines whether the "Pickup-in-Store" is an option during the check-out workflow	FALSE
CHECKOUT_STORE_CC	CHECKOUT	Defines whether a "Pickup-In-Store" offers a credit card payment	FALSE
CHECKOUT_STORE_CC_REQ	CHECKOUT	Defines whether a "Pickup-In-Store" REQUIRES payment by credit card before the order is accepted	FALSE
CHECKOUT_PROMO_MANUAL_ONE_ONLY	CHECKOUT	TRUE or FALSE flag value to indicate if all manual promo-codes are mutually exclusive. TRUE: only ONE promo-code will be allowed to be applied to the Order FALSE: multiple promo-codes are allowed to be applied to the Order. Future enhancement will require a	TRUE

		matrix based solution to provide more flexibility.	
CHECKOUT_GIFTCARD_METHOD	CHECKOUT	A value indicating if Gift Cards are allowable and which service is to be used. Valid values are TENDERCARD.	NONE
CHECKOUT_GIFTCARD_ONE_ONLY	CHECKOUT	TRUE or FALSE flag value to indicate if Gift Card redemptions are mutually exclusive. TRUE: only ONE gift-card will be allowed to be applied to the Order FALSE: multiple gift-cards are allowed to be applied to the Order.	TRUE
CHECKOUT_KEEP_PAYMENT_METHODS	CHECKOUT	Ability to have customers maintain the various checkout details for use in a future purchase	FALSE
CHECKOUT_REMOVE_SHIP_COST_EST	CHECKOUT	For implementation using BIGFISH as the Inventory Method. A comma separated list of Shipping Cost Estimate IDs used to suppress certain shipping options if BF-INVENTORY-WHS is equal or less than zero for any cart items	
CHECKOUT_CART_DEFAULT_SHIP_METHOD	CHECKOUT	The default Shipping Charge ID that will be used in the View Cart. This will allow for an estimation of shipping to be computed. Leave blank if no shipping charge defaults should be in the cart.	
CHECKOUT_LOYALTY_METHOD	CHECKOUT	A value indicating if Loyalty Points redemptions are available during checkout and which service is to be used. Valid values are NONE and TEN (test that returns 10 points).	NONE
CHECKOUT_LOYALTY_CONVERSION	CHECKOUT	A value indicating the conversion of Loyalty Points to money. POINTS divided by CONVERSION equals MONETARY-VALUE. 100 points with a conversion of 10 would equal 10 monetary units.	1

3 Cart Footprint

- The Cart Footprint is a section displayed on all checkout pages indicating where the customer is during the check out process.

3.1 Cart Footprint UI Guideline



- The above is applicable for a multi-page checkout
 - In the event that an implementation has a Single-Page-Checkout then it is anticipated that the Cart Footprint would be hidden using the DIV-Sequencing strategy
 - See spec "BF Admin Module DIV Sequencing.doc" for more details

4 General Processing Rules

4.1 Checkout Disrupted

4.1.1 *Overview*

- The checkout process may be disrupted by one of two reasons:
 - Expired Session: example, customer leaves their computer for a certain amount of time, returns and clicks on the "Continue" button. The session has expired and the customer should be returned to the My Account page
 - Empty Shopping Cart: example, the customer stored a checkout URL in their browser, and clicked on this URL some time afterwards. Cart is empty.
- The checkout process needs to capture either of these two conditions when a customer tries to navigate from one step within checkout to another step
- To clarify "from one step within checkout to another step":
 - This includes any page loads or redirects from within any checkout page
 - Shopping Cart
 - All multi-step pages
 - Single checkout page
 - Gift Card pages
 - Etc.
 - Actions include:
 - Continue
 - Previous
 - Add Gift Message
 - View Product Details
 - Paypal
 - Etc.
- Precedence:
 - The Expired Session should be checked first, then the Empty Shopping Cart

4.1.2 *Expired Session*

- During the checkout process the system should check for an expired session (timeout)
- If the session has expired while trying to navigate from one step within checkout to another step, then:
 - Return to the My Account page
 - Display message

"We apologize but your session has expired. We do this to protect your account. Please login again."

4.1.3 *Empty Shopping Cart*

- During the checkout process the system should check if the shopping cart is empty
- If the shopping cart is empty while trying to navigate to any of the checkout steps, then:
 - Return to the Shopping Cart page
 - Display message

"Your Shopping Cart is empty."

4.2 Inventory Check

- An inventory check, for all items in the cart, should be performed at the following points:
 - My Cart
 - Click of "Continue" button
 - Order Summary
 - Click of "Submit Order" button
 - See spec "*BF Product Detail Page.doc*" for inventory rules
- If inventory is not available then display an error message as follows:

We are sorry but we do not have available inventory to satisfy your order:

Item [Product_Description] has n items available

Item [Product_Description] has n items available

5 Shopping Cart

5.1 Processing Overview

- The Shopping Cart page displays order items and the order subtotal prior to shipping and tax charges of a customer's order.
- This page needs to be part of the "DIV Sequencing" strategy, see spec "*BF Admin Module DIV Sequencing*"

5.2 Cart Footprint



5.3 Shopping Cart sample illustration

Shopping Cart

SHOPPING_CART_ESPOT									
Promotions and Coupon Codes									
PROMOTION PROCESSING									
Loyalty Point Redemptions									
LOYALTY POINT PROCESSING									
PRODUCT IMAGE	Live Fish 1 Size: Medium Color: Red	1	Update	In Stock	Price: \$6.99	Total: \$6.99	Remove Item	Add Gift Message	
PRODUCT IMAGE	Live Fish 2 Size: Large Color: Red	2	Update	In Stock	Price: \$7.99	Total: \$15.98	Remove Item	Add Gift Message	
Item Total:						\$22.97			
Shipping Method:						UPS			
Promotion (Free Shipping):						(\$6.95)			
Loyalty Point Redemption:						(\$2.00)			
Estimated Shipping:						\$6.95			
Estimated Tax (8.125%):						\$1.87			
Total:						\$22.84			
Tax will be displayed in the next page (optional message in label file)									

Gift Message Warning, see processing below

Continue Shopping

Go to Checkout

5.4 Processing

- The Cart is essentially the same as the Order Items summary in the Order Summary and Order Confirmation sections other than the rules noted below
- If the product ITEM is promotional (due to a free-gift promo-code) then the Qty CANNOT be modified and the "Update" link should be hidden
- If the Qty is changed to zero then the line item should be removed from the cart.
- See spec "*BF Product Detail Page.doc*" for validation of Qty changes and usage of system parameters PDP_QTY_MIN and PDP_QTY_MAX
- "Remove Item"
 - will delete the Item from the Cart
 - and refresh the Cart, computing monetary values as appropriate
- "Add Gift Message"
 - This is only offered if:
 - PRODUCT_ATTRIBUTE (ATTR_NAME of "CHECKOUT_GIFT_MESSAGE") is TRUE
 - OR
 - the system parameter CHECKOUT_GIFT_MESSAGE is TRUE
 - and the PRODUCT_ATTRIBUTE (ATTR_NAME = "CHECKOUT_GIFT_MESSAGE") is NOT FALSE (if the attribute does not exist then the system parameter is used)
 - If a Gift Message has been entered for ANY of the quantity for a specific cart row then the link should display as "Edit Gift Message"
 - See "Gift Message" section for details
- Gift Message Warning
 - The Gift Message warning will be displayed in the event that there are ANY messages not entered
 - This needs to consider whether Gift Messages are allowable for a Product, the Qty ordered for each Product and if Gift Messages have been entered
 - The Gift Message Warning will display as follows (label):

NOTE: You have xx item(s) in your cart that can have a Gift Message. There are yy item(s) that do NOT have a Gift Message. Click on the 'Add Gift Message' above if you want to include a personalized message.

- Where:
 - xx = total number of items that may have a Gift Message
 - Yy = total number of items that do NOT have a Gift Message

5.5 **Action Button: Continue Shopping**

- The redirect depends on the value of the system parameter CHECKOUT_CONTINUE_SHOPPING_LINK:
 - HOMEPAGE: redirect to the Home Page
 - PDP: redirect to the last known PDP based on the Product Identifier (using "?productId" on URL line). If this cannot be determined then redirect to the Home Page
 - PLP: redirect to the last known PLP based on the Category Identifier (using "?productCategoryId" on the URL line). If this cannot be determined then redirect to the Home Page

5.6 **Action Button: Go to Checkout**

- If the user is already logged in then:
 - For multi-step checkout: go to the next check out step: "Confirm Address"
 - For single-page checkout: go to the Single Page Checkout screen
- If the user is NOT logged in
 - Normal processing will redirect to the login page
 - If the customer logs in successfully and the persisted cart is merged with the active cart then a "Warning" message is to be displayed at the top of the Single or Multi-Page screen

"Note that your cart has been merged with items stored from a previous shopping experience. If you need to modify the cart items click on the Show Cart"
- The rest of this section is to accommodate a specific workflow that *may* occur:
 - In Session #1
 - User completes a registration (or logs in to an existing account)
 - Adds Item-A to the cart
 - Logs out
 - In Session #2
 - Adds Item-A to the cart
 - Clicks check-out
 - Is asked to login again
 - At this point, the cart contents from Session #1 are merged with contents from Session #2
 - The standard workflow is to redirect to the check out pages (either Confirm-Address for multi-step, or Single-Page-Checkout)
 - HOWEVER, there is a possibility that the Quantity of Item-A does not comply to the product and system level parameters PDP_QTY_MAX
- If the user is NOT logged in
 - Processing will be directed to the register / login page
 - If Guest-Checkout (if offered for the implementation) then no further checks are required
 - If New Registration then no further checks are required
 - If Returning-Customer then process contents of the Shopping Cart and verify that the Qty of any specific item does NOT exceed the product or system level parameter PDP_QTY_MAX
 - See processing in "[*BF Product Detail Page.doc*](#)" for more information

- If any Product Qty DOES exceed the PDP_QTY_MAX then return to the "Show Cart" page with an appropriate message

5.7 Technical Note: Markup and Styling

- See spec "*BF Admin Module DIV Sequencer.doc*" for details of how to generate class names in the markup
- See spec "BF Technical Markup and CSS Guidelines.doc" for examples

6 Sales Tax and Shipping Charges

6.1 Estimated Shipping

- If a customer is already logged in:
 - Use the default shipping address to compute an estimated shipping charge
- If a customer is NOT already logged in:
 - Use system parameter CHECKOUT_CART_DEFAULT_SHIP_METHOD to determine the default shipping charge
 - If parameter CHECKOUT_CART_DEFAULT_SHIP_METHOD is blank then do NOT display an estimated shipping charge line
- In all cases, this should have a distinct "label" so that the word "estimated" can be optionally used by the client

6.2 Estimated Tax:

- It is only possible to have an "Estimated Tax" line if the customer is logged in
- If the customer is not logged in then do not display this line
- Other Tax rules apply (parameter CHECKOUT_SUPPRESS_TAX_IF_ZERO)
- Use the default Shipping Address to compute the Tax
- This should have a distinct "label" so that the word "estimated" can be optionally used (client decision)

6.3 Suppress Sales Tax

- The system parameter CHECKOUT_SUPPRESS_TAX_IF_ZERO should be considered for ALL pages of the check out:
 - TRUE: if the sales tax is zero then do NOT display the sales tax line item. This is typically used in the UK and other countries where any taxes (VAT) are *included* in the item price and not itemized
 - FALSE: display the sales tax line item

6.4 Impact of Redemptions on Sales Tax

- Promotions
 - A Promotion reduces the cost of items and Sales Tax is computed on the reduced balance
 - For example:

Cost of Items:	\$100.00
Promotion (5% Off):	<u>\$5.00</u>
Sub Total:	\$95.00
Sales Tax (10% * \$90):	<u>\$9.50</u>
Order Total:	\$104.50

- Loyalty Points
 - Loyalty Points (Money) are applied in the same way as a Promotion and as such reduce the cost of items, and subsequently will reduce the Sales Tax computation

- For example:

Cost of Items:	\$100.00
Promotion (5% Off):	\$5.00
Loyalty Points (\$10)	\$10.00
Sub Total:	\$85.00
Sales Tax (10% * \$85):	\$8.50
Order Total:	\$93.50

- Gift Card Payment
 - A Gift Card is a form of payment and as such does not impact the Sales Tax computation
 - In the above example, \$104.50 is due from the Customer and a Gift Card can be used as a form of payment against the \$104.50
- Store Credits
 - Same as Gift Card processing

6.5 Sales Tax Computations

- Sales Tax computations may include multiple tax rates
- The system parameter CHECKOUT_SHOW_SALES_TAX_MULTI is used to determine if the Sales Tax will be shown as multiple line items (if configured), or as a single line item
- Example, CHECKOUT_SHOW_SALES_TAX_MULTI set to "TRUE"

Item Total:	\$110.00
Shipping Method:	UPS
Promotion (TENDOLLAROFF):	(\$10.00)
Shipping:	\$10.00
Sales Tax (PA State Tax 6.00%):	\$6.60
Sales Tax (Philly City Tax 2.00%):	\$2.20
Total:	\$108.80

- Example, CHECKOUT_SHOW_SALES_TAX_MULTI set to "FALSE"

Item Total:	\$110.00
Shipping Method:	UPS
Promotion (TENDOLLAROFF):	(\$10.00)
Shipping:	\$10.00
Sales Tax (8.00%):	\$8.80
Total:	\$108.80

- Technical Notes:
 - The entity ORDER_ADJUSTMENT (or equivalent attributes in the Shopping Cart object) are as follows:

orderAdjustmentTypeId	orderItemSeqId	amount	sourcePercentage	comment
-----------------------	----------------	--------	------------------	---------

SALES_TAX	_NA_	0.600	6	PA State Tax
SALES_TAX	_NA_	0.200	2	Philly City Tax
SALES_TAX	00001	6.000	6	PA State Tax
SALES_TAX	00001	2.000	2	Philly City Tax

- Where orderAdjustmentTypeId is "SALES_TAX"
- Sum amount by "comment"
- Only show the percentage (e.g. 6.00%) if all rows for the same "comment" have the same sourcePercentage
- NOTE: the "comment" is setup whenever a new SALES_TAX adjustment is created. It is pulled from the TAX_AUTHORITY_RATE_PRODUCT.DESCRPTION attribute

6.6 Sales Tax and Multiple Shipping Groups

- In some implementations multiple Shipping Groups may be active and each of the Shipping Groups may have different Sales tax considerations

- For example:

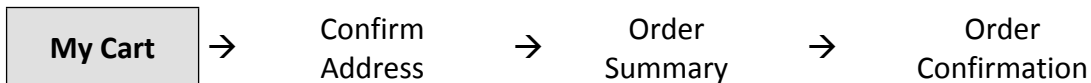
- A retailer is obliged to charge Sales Tax as follows:
 - PA: 8%
 - NY: 7%
 - CA: no sales tax
- Assume multiple Ship Groups with purchases as follows:
 - \$100 shipped to PA
 - \$100 shipped to NY
 - \$100 shipped to CA
- Sales Tax charges will be as follows:
 - \$8 for the \$100 PA purchase
 - \$7 for the \$100 NY purchase
 - \$0 for the \$100 CA purchase
- The Sales Tax % cannot be reasonably displayed, therefore it is not displayed:

Item Total:	\$300.00
Shipping Method:	UPS
Shipping:	\$10.00
Sales Tax:	\$15.00
Total:	\$325.00

- Rules
 - If the Sales Tax % for ALL ship-groups is the same then it can be displayed
 - Parameter CHECKOUT_SHOW_SALES_TAX_MULTIPLE is used as per requirements in the above section
 - Else
 - System will display "Sales Tax:" without a %

6.7 No Shipping Charge Applies

- In some cases, the products sold are not actually shippable. Examples:
 - Selling educational classes
 - Selling electronically delivered products
 - Selling a magazine or newspaper subscription
- All Items in the cart should be analyzed to check if Shipping Charges apply
 - If ALL items in the Cart have a CHARGE_SHIPPING attribute = "N":
 - The check-out footprint should NOT reflect the "Shipping Method" step



- AND the "Shipping Method" and "Estimated Shipping" will NOT be displayed in the following OrderItemsSummary components:
 - Show Cart (regardless of the parameter CHECKOUT_CART_DEFAULT_SHIP_METHOD)
 - Order Summary
 - Order Confirmation
- Technical Note
 - The existing OFBiz implementation considers PRODUCT_TYPE_ID and the CHARGE_SHIPPING attributes
 - This logic should be re-used within BigFish to determine if a Product has a Shipping Charge

```
if ("SERVICE".equals(productId) || (ProductWorker.isDigital(product) &&
!ProductWorker.isPhysical(product))) {
    // don't charge shipping on services or digital goods
    return false;
}

if (chargeShipping == null) {
    return true;
} else {
    return chargeShipping.booleanValue();
}
```

6.8 Shipping Charges and Sales Tax

- Whether sales tax is on shipping charges is determined based on the Tax Authority configured on the instance
- This can be viewed using the Admin Module
 - Admin
 - Shipping
 - View Taxes
 - Tax on Shipping (Y/N)

Gift Message

7.1 Pre-Processing

- The Gift Message page is displayed for a single line item on the Shopping Cart page
- It should accommodate the entry of message(s) based on the Qty ordered

7.2 UI Guideline

Add a Gift Message

GIFT_MESSAGE_ESPOT

PRODUCT IMAGE	Live Fish 2 Size: Large Color: Red	Qty: 2	Price: \$7.99	Total: \$15.98
---------------	--	--------	---------------	----------------

From:

50 characters left

To:

50 characters left

Message, let us help:

Message, your choice:

255 characters left

From:

50 characters left

To:

50 characters left

Message, let us help:

Message, your choice:

255 characters left

Previous

Save

7.3 Processing

- Fields are all optional
 - Some Customers may simply want a "From"
 - Others a simple "Message" with no other details, etc.
- Maximum characters allowable
 - The character "count down" and the maximum number of characters allowed to be entered into the specific entry fields are controlled by the following system parameters:
 - GIFT_MESSAGE_FROM_MAX_CHAR
 - GIFT_MESSAGE_TO_MAX_CHAR
 - GIFT_MESSAGE_TEXT_MAX_CHAR
- Message, let us help:
 - This is a drop-down populated from the ENUMERATION entity, ENUM_TYPE_ID of "GIFT_MESSAGE"
 - See spec "[*BF Admin Module Lookup Data.doc*](#)" for more details
 - If a selection is made from the "Message, let us help" then the content of that selection is used to replace text in "Message, your choice"
- Messages, rules of precedence
 - The information contained in the "your choice" entry will be used as the final Gift Message
 - If there is nothing entered in "your choice" but there is a "let us help" selection then use the "let us help" text
- Save
 - This will store data in the appropriate entities
 - Only one message is to be stored (the final "your choice" as per the above rules)
 - After successful Save, return to the My Cart page

7.4 Changing Cart QTY after Gift Message has been added

- Upon Save, the customer will return to the Show Cart page
- If, on the Show Cart page, Qty's are modified then processing will make a best guess as to what action to take
- Some examples:

Orig Qty	Messages Added	Qty Changed in Cart	Action
3	1: added 2: added 3: blank	2	1: retained 2: retained
3	1: added 2: blank 3: added	2	1: retained 2: blank
3	1: added 2: added 3: blank	4	1: retained 2: retained 3: blank

			4: blank
--	--	--	----------

7.5 Technical Notes: OFBiz Mapping

- Any entered Gift Message information will be stored in the ORDER_ITEM_ATTRIBUTE entity
- The ATTR_NAME will be:
 - GIFT_MSG_FROM_nn
 - GIFT_MSG_TO_nn
 - GIFT_MSG_TEXT_nn
 - Where "nn" is a sequential number used to separate messages when the Qty is greater than one (if Qty is 1 then "01" will be used)
- For example, if an item is ordered with a Qty of 3:

#1
From:
To:
Message

#2
From: John
To:
Message Enjoy your gift

#3
From:
To: My Princess
Message

- Then data will be stored as follows:

ATTR_NAME	GIFT_MSG_FROM_01
ATTR_VALUE	John
ATTR_NAME	GIFT_MSG_TEXT_01
ATTR_VALUE	Enjoy your gift
ATTR_NAME	GIFT_MSG_TO_02
ATTR_VALUE	My Princess

7.6 Technical Note: Markup and Styling

- See spec "[*BF Admin Module DIV Sequencer.doc*](#)" for details of how to generate class names in the markup
- See spec "[*BF Technical Markup and CSS Guidelines.doc*](#)" for examples
 - Cart Item
 - BoxList, BoxListItem
 - Gift Message Entry

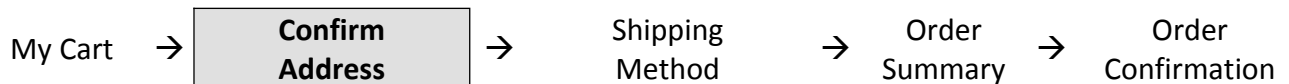
Displayed Attribute	Class Name
From	entry.fromName
To	entry.toName
Message	entry.giftMessage
Message Help	entry.giftType
Save (button)	action.save

8 Multi-Page Checkout: Confirm Address

8.1 Processing Overview

- This page is part of a multi-step checkout process (CHECKOUT_SINGLE_PAGE is "false")
- Registered Users
 - Used to confirm the default Billing and Shipping Address
 - With options to update their Address Book
- Checkout as Guest
 - Prompted to enter Personal Information, Billing and Shipping and shipping address
- This page needs to be part of the "DIV Sequencing" strategy, see spec "BF Admin Module DIV Sequencing"

8.2 Cart Footprint



8.3 UI: Confirm Address for Registered Users

Confirm Billing and Shipping Address

Please select the delivery address for the **n item(s)** in your order.

BILLING_ADDRESS_ESPOT

Billing Address (Where is your credit card statement sent?)

Select from Address Book: ☒ Billing ☐ Shipping ☐ Work

Add New Address

* Country:

* Address 1:
Please enter address information

Address 2:

* City:
Please enter your city

* State:
Please select your State

* Zip:
Please enter your Zip Code

Shipping Address (Where would you like your items shipped?)

[Ship to Multiple Addresses](#)

 Select from Address Book: ☐ Billing ☒ Shipping ☐ Work

 * Country:

* Address 1:

Please enter address information

Address 2:

* City:

Please enter your city

* State:

Please select your State

* Zip:

Please enter your Zip Code

■ Select from Address Book

- The parameter CHECKOUT_ADDRESS_STYLE will determine the UI style
 - RADIOBUTTON
 - Displayed as radio button controls
 - See UI Guideline above
 - DROPDOWN
 - Displayed as a drop-down control
- If there is only one address available pre-select and populate address fields as appropriate
- Billing Address:
 - if there is a BILLING_ADDRESS type, then pre-select and populate address fields as appropriate
- Shipping Address:
 - if there is a SHIPTO_ADDRESS type, then pre-select and populate address fields as appropriate
 - if a customer has a "default" SHIPTO_ADDRESS type, then this address should be used (PARTY_PROFILE_DEFAULT.DEFAULT_SHIP_ADDR)
- If an entry is selected from the drop-down then pre-populate the address fields as appropriate
- If data is subsequently modified by the customer do NOT modify the address book entry, simply use the updated information as part of the stored Order

■ Add New Address:

- redirect to the Address Book screen in New mode
- upon return to this screen an additional radio-button selection for the newly added address must be offered
- default selection to this new address, pre-populate fields

8.4 UI: Personal Info, Billing and Shipping Address for Guest Checkout

Personal, Billing and Shipping Information

Please select the delivery address for the **n item(s)** in your order.

SHIPPING_ADDRESS_ESPOT

Personal Information

Any information with an asterisk * is required.

* First Name:

* Last Name:

* Home Phone:

We may contact you by phone for delivery updates

Cell Phone:

Work Phone:

Ext:

Billing Address (Where is your credit card statement sent?)

* Country:

* Address 1:

Please enter address information

Address 2:

* City:

Please enter your city

* State:

Please select your State

* Zip:

Please enter your Zip Code

Shipping Address (Where would you like your items shipped?)

[Ship to Multiple Addresses](#)

☐ Same as Billing

* Country:

* Address 1:

Please enter address information

Address 2:

* City:

Please enter your city

* State:

Drop down

Please select your State

* Zip:

Please enter your Zip Code

Previous

Continue

8.5 Cart Continue Buttons

- The previous button will go to the previous check out step: "Shopping Cart"
- The continue button will go to the next check out step: "Shipping Method"

Multi-Page Checkout: Shipping Method

9.1 Processing Overview

- This page is part of a multi-step checkout process (CHECKOUT_SINGLE_PAGE is "false")
- This page is the same for Guest and Registered users
- The Shipping Method Page will allow the customer to select which shipping carrier to use when delivering the order items.
- This page needs to be part of the "DIV Sequencing" strategy, see spec "*BF Admin Module DIV Sequencing*"
- See section "*Shopping Cart: No Shipping Charge Applies*" for rules that may prevent this page from being displayed
- See section "*Shipping Methods: Special Processing*" for additional rules

9.2 Cart Footprint



9.3 UI: Shipping Method sample illustration

Shipping Methods

SHIPPING_METHOD_ESPOT

Shipping Methods

<input checked="" type="radio"/>	Default Shipping [- Optional Message] ex. 7-10 Business Days	\$6.95
<input type="radio"/>	FedEx Express [- Optional Message] ex. 3-5 Business Days	\$11.95
<input type="radio"/>	FedEx Next Day	\$25.00
<input type="radio"/>	Pickup in Store	\$0.00

Special Delivery Instructions (optional)

255 characters left

* Note any specific details that will help us delivery your items to you

Previous

Continue

9.4 Cart Buttons

- The “Previous” button will go to the previous check out step: “Shipping Address”
- The “Continue” button will go to the next check out step: “Order Summary”
 - This is only offered if CHECKOUT_WITH_CC is “true”.

9.5 PickUp In Store (optional)

- See section “Pickup In Store Processing”

9.6 Technical Note

- Optional Message
 - OOTB OFBiz will need to be modified to show the “Optional Message” next to the shipping method.
 - Extending the CarrierShipmentMethod entity with an optionalMessage column will allow for this new functionality
- Delivery Instructions
 - Store in ORDER_ITEM_SHIP_GROUP.SHIPPING_INSTRUCTIONS

10

Multi-Page Checkout: Order Summary

10.1 Processing Overview

- This page is part of a multi-step checkout process (CHECKOUT_SINGLE_PAGE is "false")
- This page is the slightly different for Guest and Registered users
 - Guest users have an opportunity to create an account by entering their user name and password
- The Order Summary Page will allow the customer to verify their order items and enter the payment method to use before final order submission.
- The page will also display any promotional items that might accompany order items as well as allow the customer to add any OFFER codes to the shopping cart. If a OFFER code is not found then an appropriate WARNING message should be displayed.
- This page needs to be part of the "DIV Sequencing" strategy, see spec "*BF Admin Module DIV Sequencing*"

10.2 Cart Footprint



10.3 Order Summary sample illustration

Order Summary

Your shopping cart currently contains **2 item(s)**

PAYMENT_METHOD_ESPOT

Order Details						
PRODUCT IMAGE	Live Fish 1 Size: Medium Color: Red	Qty: 1	In Stock	Price: \$6.99	Offer Price: \$6.99	Total: \$6.99
PRODUCT IMAGE	Live Fish 2 Size: Large Color: Red	Qty: 2	In Stock	Price: \$8.99	Offer Price: \$7.99	Total: \$15.98
Item Total:					\$22.97	
Shipping Method:					UPS	
Shipping And Handling:					\$6.95	
Promotion (Free Shipping):					(\$6.95)	
Loyalty Point Redemption:					(\$2.00)	
Sales Tax:					\$0.00	

	Total:	\$20.97
--	--------	---------

Promotions and Coupon Codes

PROMOTION PROCESSING

Loyalty Point Redemptions

LOYALTY POINT PROCESSING

Pickup In Store (optional)

PICKUP IN STORE PROCESSING (SHOW SELECTED STORE)

Your Address Information

Billing Address [Change Billing Address](#)

Joe Smith
10 Billing Avenue
Billtown, NY 11501

Shipping Address [Change Shipping Address](#)

Joe Smith
10 Shipping Avenue
Shiptown, NY 11501

Gift Card Redemptions

GIFT CARD PROCESSING

Store Credit Redemptions

STORE CREDIT PROCESSING

Payment Information

PAYMENT PROCESSING

10.4 UI: Guest Only, option to create an account

Create an Account

Optional: For your convenience, to create an account (and expedite any future orders) please confirm your email and enter a password.:

Email:

Enter Password:

Confirm Password:

☐ Please send me exclusive discounts and special promotions

- ☒ I prefer emails in HTML
☐ I prefer emails in Plain Text

Previous

SUBMIT ORDER

10.5 Price vs Offer-Price

- If a promotion is applied at the Order ITEM level then the Offer-Price column should be displayed
- This will apply if ANY of the ITEMS are impacted
- Offer Price is computed as Price less Adjustment

10.6 Cart Continue Buttons

- The previous button will go to the previous check out step: 'Shipping Method'.

10.7 Submit Order

- See section "Submit Order"

11 Order Confirmation

11.1 Processing Overview

- This page is displayed as a result of successful checkout whether it is via a single-page or multi-step process
- The Order Confirmation page will allow the customer see the order number they just placed and provide a link to continue shopping.
- This page needs to be part of the "DIV Sequencing" strategy, see spec "*BF Admin Module DIV Sequencing*"

11.2 Cart Footprint



11.3 Order Confirmation sample illustration

Order Confirmation #BF-33002940

[Printable PDF](#)

Thank you for shopping with [client.com], below is a confirmation of your order

PTS_ORDER_CONFIRM

Shipping To: Joe Smith, 17 Jackson Dr, New York, NY 10021

PRODUCT IMAGE	Live Fish 2 Size: Large Color: Red	Qty: 2	In Stock	Price: \$8.99	Offer Price: \$7.99	Total: \$15.98
Gift Message 1: Joe. I thought these fish would compliment your collection. Helen Smith [Edit Gift Message]						
Gift Message 2: [Add Gift Message]						

Shipping To: Bob Jackson, 71 Smith Road, New York, NY 12001

PRODUCT IMAGE	Live Fish 1 Size: Medium Color: Red	Qty: 1	In Stock	Price: \$6.99	Offer Price: \$6.99	Total: \$6.99
Gift Message: Bob, this is another fish for your collection. Helen Smith [Edit Gift Message]						

Order Summary

Item Total:	\$22.97
Shipping Method:	UPS

Shipping And Handling:	\$6.95
Promotion (Free Shipping):	(\$6.95)
Loyalty Point Redemption:	(\$2.00)
Sales Tax:	\$0.00
Total:	\$20.97

Pickup In Store (optional)

PICKUP IN STORE PROCESSING (SHOW SELECTED STORE)

Additional Email Notifications

* You may enter additional email addresses so that your friends, relatives or spouse receives an email copy of the Order Confirmation notice. Note that we do NOT use these email addresses for any other purpose than providing a copy of your current Order.

Email #1:

Email #2:

* Email Address must be in a valid format

Email #3:

[Send Email Notication](#)

Payment Information

See below

[Continue Shopping](#)

11.4 Processing

- The "Printable PDF" link will create and download a PDF version of the Order Confirmation page so that the customer can print or save locally.
- Editing or Adding a Gift Message redirects to the Gift Message page
 - This mimics the Show Cart action
 - Returning from the Gift Message page returns back to this Order Confirmation page
- The Order Confirmation is effectively a copy of the Order Summary page with read-only display fields
- The system parameter CHECKOUT_CONFIRM_GET_COOKIE should be used to determine if any special cookie processing is required:
 - This parameter holds an optional list of Cookies
 - Multiple cookies can be identified in a comma separated list
 - For each Cookie reference:
 - Read the cookie
 - If it exists and has not expired

- Retrieve the "content"
- Write the content as a "value pair" attribute against the finalized Order

11.5 Reduce BF-Inventory

- Inventory reduction is only required if the system parameter INVENTORY_METHOD is equal to "BIGFISH"
- The product attributes "BF_INVENTORY_TOT" and "BF_INVENTORY_WHS" should be reduced by the number purchased:
 - BF_INVENTORY_TOT is always adjusted
 - BF_INVENTORY_WHS is only adjusted if the Order attribute "DELIVERY_OPTION" is set to "SHIP_TO"
 - In other words, Pick-Up-In-Store orders do NOT adjust the warehouse inventory on Order Confirmation
- This should consider virtual/variant configurations and the fact that more than one item of the same variant can be purchased
- When decreasing inventory the level can become negative
- See "*BF-Admin-Module-Orders.doc*" spec for details on inventory adjustments when Orders are cancelled

11.6 Additional Email Notifications

- The system parameter CHECKOUT_EMAIL_ALERT controls whether this feature is enabled
 - A number of 1 thru 10 indicates how many Email entry boxes are displayed and offered for additional alerts
 - Any other value indicates that the component should NOT be displayed
 - See spec "*BF Admin Module Admin.doc*" for a full description
- The "Send Email" will
 - Verify that each entered email is in a valid format
 - If not, display a message "Email Address must be in a valid format" next to the appropriate entry box
 - If all Email Addresses are valid then send a copy of the Order Confirmation page to each recipient
- The Email Addresses are for temporary use, the information will not be stored in the database

11.7 Payment Information

- If paid-in-full or partial payment using a Gift Card


Gift Card Redemption

Gift Card
Card Number: 81982388-a
Amount Redeemed: \$10.00


- If payment made by Credit Card

Payment Information
Credit Card
Card Type: Visa
Card Number: xxxxxxxxxxxx-1011
Expiration month: 01
Expiration year: 2012
Amount: \$22.97


- If payment made by PayPal

Payment Information
Pay Pal
Paid by PayPal: 
Amount: \$22.97

- If payment made by Google Checkout

Payment Information
Google Checkout
Paid by Google: 
Amount: \$22.97

- If payment made by EBS Worldpay

Payment Information
EBS Worldpay
Paid by EBS: 
Transaction ID: 22055666
Amount: \$22.97

- If payment made by atom PAYNETZ

Payment Information
atom PAYNETZ

Paid by atom PAYNETZ:



Transaction ID: 22055666

Amount: \$22.97

- If COD (Cash on Delivery)

Payment Information

COD (Cash on Delivery), you are responsible for completing the payment when we deliver the products to you

- If no payment made and Pickup In Store was selected

Payment Information

Pickup In Store, payment will be made when the merchandise is picked up in the store

12 Single Page Checkout: Guest

12.1 Processing

- Refer to “*BF Customer Account Management.doc*” for related information.
- Basically the Single Page Checkout is a combination of all check steps into a single page. The same rules should be applied as appropriate.
- This page needs to be part of the “DIV Sequencing” strategy, see spec “*BF Admin Module DIV Sequencing*”

12.2 UI Guideline

Single Page Checkout

Your shopping cart currently contains 2 *item(s)*

PTS_ONE_STEP_CHECKOUT

Personal Information

Any information with an asterisk * is required.

* First Name:

* Last Name:

* Home Phone:

We may contact you by phone for delivery updates

Cell Phone:

Work Phone:

Ext:

Billing Address (Where is your credit card statement sent?)

* Country:

* Address 1:

Please enter address information

Address 2:

* City:

Please enter your city

* State:

Please select your State

* Zip:

Please enter your Zip Code

Shipping Address (Where would you like your items shipped?)		Ship to Multiple Addresses
<div><input type="checkbox"/> Same as Billing</div> <div><div>* Country:</div><div>Drop-down</div></div> <div><div>* Address 1:</div><div></div><div>Please enter address information</div></div> <div><div>Address 2:</div><div></div></div> <div><div>* City:</div><div></div><div>Please enter your city</div></div> <div><div>* State:</div><div>Drop down</div><div>Please select your State</div></div> <div><div>* Zip:</div><div></div><div>Please enter your Zip Code</div></div>		

Shipping Methods
See Multi Page checkout

Special Delivery Instructions (Optional)
See Multi Page checkout

Promotions and Coupon Codes
PROMOTION PROCESSING

Loyalty Point Redemptions
LOYALTY POINT PROCESSING

Order Details						
PRODUCT IMAGE	Live Fish 1 Size: Medium Color: Red	Qty: 1	In Stock	Price: \$6.99	Offer Price: \$6.99	Total: \$6.99
PRODUCT IMAGE	Live Fish 2 Size: Large Color: Red	Qty: 2	In Stock	Price: \$8.99	Offer Price:\$7.99	Total: \$15.98
				Item Total:	\$22.97	
				Shipping Method:	UPS	
				Shipping And Handling:	\$6.95	

	Promotion (Free Shipping):	(\$6.95)
	Loyalty Point Redemption:	(\$2.00)
	Sales Tax:	\$0.00
	Total:	\$20.97

Gift Card Redemptions

GIFT CARD PROCESSING

Store Credit Redemptions

STORE CREDIT PROCESSING

Payment Information

PAYMENT PROCESSING

Create an Account

Optional: For your convenience, to create an account (and expedite any future orders) please confirm your email and enter a password.:

Email:

Enter Password:

Confirm Password:

☐ Please send me exclusive discounts and special promotions

☒ I prefer emails in HTML

☐ I prefer emails in Plain Text

SUBMIT ORDER

12.3 Shipping Methods

- See equivalent processing rules in the Multi-Page checkout process flow to check if Shipping Charges apply
- See section "*Shopping Cart: No Shipping Charge Applies*" for rules that may prevent this section from being displayed

12.4 Considerations For Implementation

- Depending on Order-Items / QTY there may be different Shipping Options offered. This shouldn't be an issue since the Order Items are known

- After selecting the Shipping Method, the dollars in the Order Summary must be updated. Page refresh is required.
- After entering a valid Offer-Code, the dollars in the Order Summary must be updated. Page refresh is required.

13 Single Page Checkout: Registered User

13.1 Processing

- Rules apply from the Single Page Checkout-Guest section with differences noted below
- Personal Information
 - Pre-populated from the Personal Information for the registered user
 - If the customer modifies any Personal Information attributes the new information is used for this order ONLY. Do NOT update the registered users personal information.
- Billing and Shipping Address
 - See rules defined in "Multi-Page Checkout: Billing and Shipping Address"
- Shipping Methods
 - Same
- Promotion Processing
 - Same
- Loyalty Points Processing
 - Same
- Store Credit Processing
 - Same
- Order Details
 - Same
- Gift Card Redemptions
 - Same
- Payment Information
 - Same
- Create an Account
 - NOT DISPLAYED, user is already registered

13.2 UI Guideline

Single Page Checkout

Your shopping cart currently contains 2 *item(s)*

PTS_ONE_STEP_CHECKOUT

Personal Information

Any information with an asterisk * is required.

* First Name:

* Last Name:

Home Phone:

We may contact you by phone for delivery updates

Cell Phone:

Work Phone:

Ext:

BILLING_ADDRESS_ESPOT

Billing Address (Where is your credit card statement sent?)

Select from Address Book: ☒ Billing ☐ Shipping ☐ Work

[Add New Address](#)

* Country:

* Address 1:

Please enter address information

Address 2:

* City:

Please enter your city

* State:

Please select your State

* Zip:

Please enter your Zip Code

SHIPPING_ADDRESS_ESPOT

Shipping Address (Where would you like your items shipped?)

[Ship to Multiple Addresses](#)

Select from Address Book: ☐ Billing ☒ Shipping ☐ Work

[Add New Address](#)

* Country:

* Address 1:

Please enter address information

Address 2:

* City:

Please enter your city

* State:

Please select your State

* Zip:

Please enter your Zip Code

Shipping Methods

Same

Special Delivery Instructions (Optional)

Same

Promotions and Coupon Codes

PROMOTION PROCESSING

Loyalty Point Redemptions

LOYALTY POINT PROCESSING

Order Details

Same

Gift Card Redemptions

GIFT CARD PROCESSING

Store Credit Redemptions

STORE CREDIT PROCESSING

Payment Information

PAYMENT PROCESSING

14 General Processing

14.1 "Same As Billing"

- The "Same as Billing" button is used to indicate that the Shipping details will be derived from the Billing details upon a "submit" request
 - See spec "*BF Billing Shipping and Personal Info.doc*" for additional information
- Address Nickname will default to "Home"

15 Ship to Multiple Addresses

15.1 Notes / TODO

- TODO Pickup In Store
 - In order for this to work well, throughout the implementation, Store-Pickup needs to be added as a standard OFBiz Shipping Method
 - Then all areas will use as appropriate
 - Need some indicator so that a Store Picker can be implemented
- Related changes
 - Admin Cart and Check out
 - Needs to display shipment groups / multiple addresses / shipping methods (OK, see Shipments Screen)

15.2 Overview

- There are various combinations of checkout, support for Multi-Address as follows:

○ Single-Page-Checkout	Registered User	SUPPORTED
○ Single-Page-Checkout	Guest	NOT SUPPORTED
○ Multi-Step-Checkout	Registered User	SUPPORTED
○ Multi-Step-Checkout	Guest	SUPPORTED
- Activation is controlled via the DIV-Sequencing strategy
 - Component ShippingAddressInfo
- The selection of a different Shipping Address may have an impact on the Shipping Charges, example:
 - if standard shipping is \$10 per "package"
 - and items are split into 2 "packages" to 2 different shipping destinations
 - total shipping charges would be \$20
- This section will define selections for multiple shipping addresses and prompts for shipping methods for each shipment "group"
 - A shipment group is a grouping of products that are shipped to the same address
- When returning from this process it is critical that existing Shipping Address and Shipping Method options are read-only
 - The standard single and multi-page checkout flows will not contain the sophistication to handle multiple Shipping Addresses and Methods

15.3 Access to this feature

- Access to this feature is via the "Ship to Multiple Addresses" link noted throughout this document
 - This option is controlled via the DIV Sequencing strategy
 - Element ShippingAddressInfo.shippingAddressInfoMultiAddress
 - Element ShippingOptions.shippingOptionsMultiAddress

- The "Ship to Multiple Addresses" link should NOT be displayed if the total number of items in Cart is 1
 - In other words, the only time the "Ship to Multiple Addresses" will be displayed is
IF it is exposed in the DIV sequencer
AND total qty > 1

15.4 Example Assumptions

- Assume the Cart to contain the following:

ONE	Live Fish ONE Size: Medium Color: Red	3	Upd	Price: \$10.00	Total: \$30.00
TWO	Live Fish TWO Size: Large Color: Red	2	Upd	Price: \$25.00	Total: \$50.00

- Assume that the customer has the following SHIPPING Addresses available in their Address Book

Shipping Address	Joe Smith	17 Jackson Drive	New York, NY 10021
Mothers Address	Helen Smith	1 Highgate Street	Mineola, NY 11501
Work Address	Joe Smith	17265 Corp Ave	Patterson, NJ 22222

15.5 UI Guideline, Initial Display

Ship to Multiple Addresses

MULTI_ADDR_ESPOT

ONE	Live Fish ONE Size: Medium Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
From: John Gift Message: I hope you enjoy this ONE fish!!				
ONE	Live Fish ONE Size: Medium Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
ONE	Live Fish ONE Size: Medium Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
TWO	Live Fish TWO Size: Large Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
To: Helen Gift Message: I hope you enjoy this TWO fish!!				

TWO	Live Fish TWO Size: Large Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
-----	--	------	---	--

Previous

Add Address

Continue

■ Processing

- The parameter CHECKOUT_ADDRESS_STYLE will determine the UI style for the Shipping Addresses
 - RADIOBUTTON
 - Displayed as radio button controls
 - See UI Guideline above
 - DROPDOWN
 - Displayed as a drop-down control
- Gift Message Display
 - If any of the three available attributes are available then they should be displayed
 - If specific attributes are not available then do not include them in the message
 - Example:

"From: xxxx To: xxxx Gift Message: xxxx"

- Gift Message Rules
 - If the Qty is changed to zero then the Gift Message will be lost
 - If the Qty is changed to a number greater than 1, then only one of the items will have the Gift Message
- DIV Component: MultiShippingAddress
- The initial display extract all product quantities from the Cart into individual line items
 - So, in this example the Cart had Qty of 3 of Live-Fish-ONE and a Qty of 2 of Live-Fish-TWO
 - Therefore, 5 lines are displayed
- The "Ship To" is offered as a drop-down
 - All available Shipping Addresses are displayed
 - The "primary" Shipping Address is pre-selected
 - Format of display is First-Name + Last Name + Address-1 + City
- Qty can be modified by the user, no validation is required
- Add Address
 - This will redirect to the Add New Address function. See spec "[*BF Customer Account Management.doc*](#)" for more details
 - Upon return from this function the customer should be presented with the screen show above
 - Any prior changes or selections should be honored
 - The newly added Shipping Address should be available in the drop down
- Continue

- See section "[UI Guideline, Select Shipping Method](#)"

NOTE: Should probably include "Pick Up In Store", if available in the above drop-downs

15.6 UI Guideline, Selections made

- This section is to illustrate an interaction within the "Initial Display" and act as an ongoing example for the subsequent sections

Ship to Multiple Addresses

MULTI_ADDR_ESPOT				
ONE	Live Fish ONE Size: Medium Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
From: John Gift Message: I hope you enjoy this ONE fish!!				
ONE	Live Fish ONE Size: Medium Color: Red	Qty:	0	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
ONE	Live Fish ONE Size: Medium Color: Red	Qty:	2	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input checked="" type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
TWO	Live Fish TWO Size: Large Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson
To: Helen Gift Message: I hope you enjoy this TWO fish!!				
TWO	Live Fish TWO Size: Large Color: Red	Qty:	1	CHOOSE A SHIPPING ADDRESS <input type="radio"/> Joe Smith, 17 Jackson Dr, New York <input checked="" type="radio"/> Helen Smith, 1 Highgate Street, Mineola <input type="radio"/> Joe Smith, 17625 Corp Ave, Patterson

Previous
Add Address
Continue

- DIV Component: MultiShippingAddress
- If Qty of ALL items has been modified return to the Shopping Cart page
 - Will display "Your Cart is empty"

15.7 UI Guideline, Select Shipping Method

- Pre-Processing
 - Aggregation into SHIPPING GROUPS:

- From the previous screen, line items should be combined based on the same SHIPPING ADDRESS
- Similar PRODUCT items should also be combined, with the QTY attribute showing the appropriate summed total
- Shipping Methods
 - Each Shipping-Group should be analyzed, in terms of which products are included, so that the appropriate Shipping-Methods are offered
 - In the example below, Shipping Group #2 only offers "Default Shipping" (assume that the rules are setup so that NY destinations only offer this method)

Choose Your Shipping Options

MULTI_SHIPPING_ESPOT

Shipping Group 1 of 3

Shipping To: Joe Smith, 17 Jackson Dr, New York, NY 10021

ONE	Qty: 1 Live Fish ONE Size: Medium Color: Red	CHOOSE A SHIPPING METHOD <input type="radio"/> Default Shipping 7-10 Business Days (\$6.95) <input checked="" type="radio"/> FedEx Express 3-5 Business Days (\$11.95) <input checked="" type="radio"/> FedEx Next Day (\$25.00)
TWO	Qty: 1 Live Fish TWO Size: Large Color: Red	

Shipping Group 2 of 3

Shipping To: Helen Smith, 1 Highgate Street, Mineola, NY 11501

ONE	Qty: 2 Live Fish ONE Size: Medium Color: Red	CHOOSE A SHIPPING METHOD <input checked="" type="radio"/> Default Shipping 7-10 Business Days (\$6.95)
-----	---	--

Shipping Group 3 of 3

Shipping To: Joe Smith, 17265 Corp Ave, Patterson, NJ 22222

TWO	Qty: 1 Live Fish TWO Size: Large Color: Red	CHOOSE A SHIPPING METHOD <input checked="" type="radio"/> Default Shipping 7-10 Business Days (\$6.95) <input checked="" type="radio"/> FedEx Express 3-5 Business Days (\$11.95) <input checked="" type="radio"/> FedEx Next Day (\$25.00)
-----	--	---

Previous

Continue

- Previous
 - This action should return to the previous screen ("Selections Made")

- All information that was entered on that screen should be displayed
- Continue
 - Will return to the appropriate check-out screen
 - If this process was initiated via the Single-Page-Checkout then
 - return to that screen
 - the "Shipping Address" and "Shipping Method" sections should reflect the selections made in this process and will be displayed as read-only information components

15.8 UI Guideline, Return to Checkout

- If this process was initiated via the "Select Shipping Address" page in the Multi-Page checkout then
 - Return to the Order Summary screen
 - the "Shipping Address" and "Shipping Method" sections should reflect the selections made in this process and will be displayed as read-only information components
 - REPLACE the Shipping-Address and Shipping-Options in either the Single-Page checkout, Order-Summary and Order-Confirm pages:

Shipping Options [\[change\]](#)

Shipping Group 1 of 3

ONE	Qty: 1 Live Fish ONE Size: Medium Color: Red	SHIPPING TO: Joe Smith, 17 Jackson Dr New York, NY 10021	SHIPPING METHOD: Default Shipping 7-10 Business Days (\$6.95)
TWO	Qty: 1 Live Fish TWO Size: Large Color: Red		

Shipping Group 2 of 3

ONE	Qty: 2 Live Fish ONE Size: Medium Color: Red	SHIPPING TO: Joe Smith 1 Highgate Street Mineola, NY 11501	SHIPPING METHOD: Default Shipping 7-10 Business Days (\$6.95)
-----	---	--	--

Shipping Group 3 of 3

TWO	Qty: 1 Live Fish TWO Size: Large Color: Red	SHIPPING TO: Joe Smith 17265 Corp Ave Patterson, NJ 22222	SHIPPING METHOD: Default Shipping 7-10 Business Days (\$6.95)
-----	--	---	--

- DIV Component: ShippingGroupSummary

- Dec-2013: DIV strategy to be implemented at a later date
- Other Considerations
 - Since the Shipping Charges can now be varied across multiple Shipping Groups, remove the "Shipping Method" from the Cart Summary
- Actions
 - [Change]: should redirect to the "Ship to Multiple Addresses" screen

15.9 Multi-Step, Guest Checkout

- For a Registered User the "Multi Address" option is offered at the time of confirming the Shipping Address
- Since a Guest has not necessarily entered the Shipping Address, this option is not available on the Shipping-Address page
 - Rather, it will be offered on the Shipping-Options page

16 Pickup In Store Processing

16.1 Overview

- The Pickup In Store option is part of the Shipping Methods selection
 - In other words, customers will have a choice of selecting a Shipping Method and having the items delivered OR they can elect to pickup the items from a local Store
 - Pickup In Store assumes there is no delivery charge
- Pickup In Store rules are applied for both Multi-Page and Single-Page checkout flows
- This processing is only applicable if the parameter CHECKOUT_STORE_PICKUP is "TRUE"

16.2 Selecting or Changing a Store

- This applies to the:
 - "Shipping Methods" page in the multi-page checkout flow
 - "Shipping Methods" component in the single-page checkout flow
- UI Guideline

Shipping Methods

SHIPPING_METHOD_ESPOT

Shipping Methods

<input checked="" type="radio"/>	Default Shipping [- Optional Message] ex. 7-10 Business Days	\$6.95
<input type="radio"/>	FedEx Express [- Optional Message] ex. 3-5 Business Days	\$11.95
<input type="radio"/>	FedEx Next Day	\$25.00
<input type="radio"/>	Pickup in Store	\$0.00

Select Store

- The "Select Store" action will redirect to the Store locator page in "select" mode
 - see spec "[BF Store Locator.doc](#)" for details
- Upon successful return from the Store-Locator selection:
 - the Pickup In Store radio-button will be selected
 - the selected Store will be displayed (attribute Store Name)
 - the action button will display "Change Store"

<input checked="" type="radio"/>	Pickup in Store (Solveda, Mineola, NY 11501)	\$0.00
----------------------------------	--	--------

Change Store

- Store Details are:
 - Store Name
 - City

- State
- Zip
- The “Change Store” action will redirect to the Store Locator page in “select” mode
 - If the returned Store is different then display the Store Name as appropriate
- Validation
 - If the “Pickup In Store” button is selected but a Store has not been selected, display error:

“You have indicated Pickup-In-Store as your preference. A Store must be selected to pickup your order”

16.3 Confirming the Pickup In Store

- This applies to the:
 - “Order Summary” page in the multi-page checkout flow
 - “Order Confirmation” page in both the multi-page and single-page checkouts
 - The “Change Store” button is **not** offered

Pickup In Store	
Store Code: STORE-001	<div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">Change Store</div>
Store Name: Solveda	
Store Address: 220 Old Country Road Mineola, NY 11501	
Store Tel: 1-516-742-7888	
<p>* We will contact you via email when your merchandise is available. This will typically be within 24 hours. You can pay at the time of pickup.</p>	

- The “Change Store” action will redirect to the Store Locator page in “select” mode
 - If the returned Store is different then display the Store Details as appropriate

16.4 Only One Store Available

- If there is only one store available then the display will default as follows:

◎ Pickup in Store (Solveda, Mineola, NY 11501)	\$0.00
--	--------

- The “Store Name” will be pre-filled in the “Pickup in Store” option
- The “Select Store” button will not be available
- The “Change Store” button will not be available

16.5 Special Processing

- Order Summary component

Item Total:	\$22.97
Shipping Method:	Pickup In Store
Shipping And Handling:	\$0.00
Sales Tax:	\$0.00
Total:	\$22.97

- Impact on Payment Processing
 - See the "Payment Processing" section, specifically "Pickup In Store Special Processing"
- Technical Guidance
 - Also refer to the section "Pickup In Store: Technical Guidance"

17 Gift Card Processing

- Gift Card redemptions are equivalent to payments
 - If the Gift Card available balance is equal or exceeds the total due amount then the Order will be considered paid-in-full
 - If the Gift Card available balance is less than the total due amount then the Customer will need to complete the purchase with a credit card
- The Gift Card processing section is available on all pages that prompt for payments
 - Managed by the DIV Sequencing strategy, see spec "[*BF Admin Module DIV Sequencing.doc*](#)" for additional information

17.1 Visual Guideline

Gift Cards	
[Error-Message-Area]	
If you have a Gift Card, please enter the code here:	<input type="text"/>
	<input type="button" value="Apply Gift Card"/>
[Details of applied Gift Cards]	

17.2 Processing Rules

- The system parameter CHECKOUT_GIFTCARD_ONE_ONLY will determine if more than one Gift Card redemption can be applied to an order. Values are:
 - TRUE: only ONE Gift Card redemption is allowed.
 - The prompt for a Gift Card and the "Apply Gift Card" button should be removed from the display after an initial successful Gift Card has been accepted
 - FALSE: multiple Gift Card redemptions are allowed to be applied to the Order
- Validation
 - Gift Card must be entered
 - "Please enter a Gift Card number"
 - Invalid Card
 - "Please check your Gift Card, it appears you have entered an invalid number"
 - Zero Balance
 - "This Gift Card has a zero balance and cannot be redeemed"
 - Duplicate Gift Card
 - "A Gift Card can only be used once, please enter a different number"
- As each Gift Card number is entered, valid redemptions are applied and listed underneath the Apply-Gift-Card area
 - Technical Note: added to the shopping cart as an order payment
- Gift Card balance equals or exceeds Order Amount

- Display the Gift Card details
- Hide the "Apply Gift Card" action button
- The "Remove" link will remove the Gift Card from the cart, no confirmation is required
- As Gift Card redemptions are added or removed then
 - The "[Applied Successfully Info]" information area will be updated
 - the "Total Amount Due" in the Payment Processing section should be adjusted accordingly
- An example of an applied Gift Card is as follows:

Gift Cards	
If you have a Gift Card, please enter the code here: <input style="width: 150px;" type="text"/>	Apply Gift Card
Gift Card#: 1662877709 Amount: \$10.00 Expiration Date: 1/1/2014 Remove Gift Card	
Gift Card#: 1662877710 Amount: \$5.00 Expiration Date: 1/1/2015 Remove Gift Card	
[Applied Successfully Info]	

- Expiration is only displayed if received from the Gift Card service

17.3 Applied Successfully Info

- As each Gift Card is applied, this summary text will display appropriate information
- Multiple Gift Cards, Balance Due

Gift Cards	
If you have a Gift Card, please enter the code here: <input style="width: 150px;" type="text"/>	Apply Gift Card
Gift Card#: 1662877709 Amount: \$50.00 Expiration Date: 1/1/2014 Remove Gift Card	
Gift Card#: 1662877710 Amount: \$25.00 Expiration Date: 1/1/2015 Remove Gift Card	
Order Total: \$100.00 Total of Gift Card Redemptions: \$75.00	

Balance Due: \$25.00

■ Single Gift Card exceeds Order Amount

Gift Cards

If you have a Gift Card, please enter the code here:

Apply Gift Card

Gift Card#: 1662877709

Amount: \$50.00

Expiration Date: 1/1/2014

[Remove Gift Card](#)

Order Total: \$35.00

Total of Gift Card Redemptions: \$50.00

Total Remaining on Gift Card After Purchase: \$15.00

■ Multiple Gift Cards exceeds Order Amount

Gift Cards

If you have a Gift Card, please enter the code here:

Apply Gift Card

Gift Card#: 1662877709

Amount: \$50.00

Expiration Date: 1/1/2014

[Remove Gift Card](#)

Gift Card#: 1662877710

Amount: \$25.00

Expiration Date: 1/1/2015

[Remove Gift Card](#)

Order Total: \$60.00

Total of Gift Card Redemptions: \$75.00

Total Remaining on Gift Card After Purchase: \$15.00 (on Card #1662877710)

- In this scenario the Gift Card with the latest Expiration (if known) is the one that has the remaining balance
 - If the Expiration Date is not known, then leave the balance on the last applied Gift Card

17.4 Submit Order

- Final redemption of any Gift Card is not performed until the "Submit Order" action button is clicked
 - Processing detailed in this section has retrieved information from the Gift Card provider
 - No updates have been made

- See section "*Submit Order*", special processing may be required when combining a Gift Card payment with another payment

17.5 "TEST" implementation

- This section only applies if the system parameter CHECKOUT_GIFTCARD_METHOD is "TEST"
- Entry must be numeric and a whole number
 - Message "Gift Card entry is invalid, must be numeric and a whole number"
- The number entered is used as the monetary value, this is applied as a Payment
- Expiration is [today] + 1 month
- An update to reduce the Gift Card balance after a successful "Submit Order" is NOT required

18 Payment Processing

18.1 Available Credit Card Types

- The Credit Card drop-down is populated from the ENUMERATION entity
 - ENUM_TYPE_ID is "CREDIT_CARD_TYPE"
 - Entries with a SEQUENCE_ID = 0 should be ignored and NOT displayed in the drop-down

18.2 UI Styling





- The parameter CHECKOUT_PAYMENT_STYLE will determine how the Payment Options are presented
- LIST
 - Displayed as a simple list of all the available payment options one after the other
 - The UI guidelines in this section reflect this styling option
- DROPDOWN
 - This option collects all available payment options and presents them as a Drop-Down selector
 - When one is selected by the customer then the appropriate additional options are displayed
 - For example:

Payment Information	
Total Amount Due	
BALANCE DUE: \$22.97	
Select Payment Option	<input type="text" value="Select ..."/>

- Drop-down has a default value of "Select ..."
- Assume drop-down contains "Credit Card", "Saved Credit Card", and "PayPal"
- If "Credit Card" is then selected:

Payment Information	
Total Amount Due	
BALANCE DUE: \$22.97	
Select Payment Option	<input type="text" value="Credit Card"/>
Card Type: *	<input type="text" value="Drop Down"/>
Card Number: *	<input type="text" value="Entry-field"/>
Expiration month: *	<input type="text" value="Drop Down"/>
Expiration year: *	<input type="text" value="Drop Down"/>
Verification: *	<input type="text" value="Entry-field"/>
CHECKOUT_CC_VERIFY	

18.3 Payment Processing

Payment Information	
Total Amount Due	
BALANCE DUE: \$22.97	
PayPal	
Pay with PayPal	
Google Checkout	
Pay with Google	
EBS Worldpay	
Pay with EBS Worldpay	
atom PAYNETZ	
Pay with atom PAYNETZ	
Credit Card	
Card Type: *	<input type="text" value="Drop Down"/>
Card Number: *	<input type="text" value="Entry-field"/>
Expiration month: *	<input type="text" value="Drop Down"/>
Expiration year: *	<input type="text" value="Drop Down"/>
Verification: *	<input type="text" value="Entry-field"/>
CHECKOUT_CC_VERIFY	
Electronic Funds Transfer (EFT)	
Name on Account: *	<input type="text" value="Entry-field"/>
Bank Name: *	<input type="text" value="Entry-field"/>
Routing Number: *	<input type="text" value="Entry-field"/>
Account Number: *	<input type="text" value="Entry-field"/>
Account Type: *	<input type="text" value="Drop-Down"/>
CHECKOUT_EFT_GUIDE	
COD (Cash on Delivery)	
<input type="radio"/> COD (Cash on Delivery)	

■ Total Amount Due

- Is the original Total Order Amount less any applied payments (such as Gift Cards or other Credit Cards)

■ PayPal

- The PayPal payment option should only be offered if CHECKOUT_ALLOW_PAYPAL is set to TRUE

■ Google Checkout

- The Google checkout option should only be offered if CHECKOUT_ALLOW_GOOGLE is set to TRUE. **Not required – when a client requires the Google Checkout option we will implement**

■ Cash on Delivery (COD)

- The COD (Cash on Delivery) option should only be offered if CHECKOUT_ALLOW_COD is set to TRUE

■ EBS Payment

- The EBS payment option should only be offered if CHECKOUT_ALLOW_EBS is set to TRUE



■ Atom PAYNETZ

- The atom PAYNETZ payment option should only be offered if CHECKOUT_ALLOW_PAYNETZ is set to TRUE

■ Credit Cards

- Credit Card checkout is only offered if CHECKOUT_ALLOW_CC is set to TRUE
 - The Verification should only be prompted if CHECKOUT_CC_VERIFICATION_REQ is set to TRUE
- The verification field, if displayed, will be followed by the optional Page Content Spot CHECKOUT_CC_VERIFY

■ Visual example:

Verification: *	Entry-field
	 Amex: 4 on front
	 Visa: 3 on back

■ Electronic Funds Transfer (EFT)

- EFT checkout is only offered if CHECKOUT_ALLOW_EFT is set to TRUE
- The Account Type will be a drop-down, typically with "Checkings" and "Savings"
 - "Checking" is pre-selected as the default
- Validation
 - Name on Account: "Name on Account is a required field"
 - Bank Name: "Bank Name is a required field"
 - Routing Number: "Routing Number is a required field and must be 9 digits"
 - Account Number: "Account Number is a required field and must be numeric"
- The optional Page Content Spot CHECKOUT_EFT_GUIDE is used as visual guide, an example:

: 73911823 :	000632	0173136142
Bank Routing Number	Check Number	Bank Account Number


18.4 Pickup In Store Special Processing




■ Relevant system parameters

CHECKOUT_STORE_CC	CHECKOUT_STORE_CC_REQ	What this means
TRUE	FALSE	Client wants to offer a credit card option Online. However, it is NOT required. Effectively they want the customer to have the option of paying online or paying in the store when they pickup the merchandise.
TRUE	TRUE	Client wants their customer to complete the transaction online. Assumption is that there is no capability in the Store to take a payment, OR the client wants to ensure that the merchandise is paid for prior to pickup.
FALSE	any	Client does NOT want the customer to complete the payment Online. Payment will be taken in the Store.

■ If the customer has selected a Pickup In Store:

- If CHECKOUT_STORE_CC = TRUE and CHECKOUT_STORE_CC_REQ is TRUE then it is **mandatory** for the customer to complete the payment
- If CHECKOUT_STORE_CC = TRUE and CHECKOUT_STORE_CC_REQ is FALSE then it is **optional** for the customer to complete the payment customer
- COD (Cash on Delivery) is available as an option (CHECKOUT_ALLOW_COD) is NEVER displayed as an option for Pickup In Store
- Technical Note: for cases when a credit card is not used to purchase online the Payment Option should be set to EXT_OFFLINE

Payment Information	
Total Amount Due	
BALANCE DUE: \$22.97	
Pay Now or Pay in the Store?	
<input checked="" type="radio"/> Pay Now <input type="radio"/> Pay in the Store	
PayPal	
Pay with PayPal	

Google Checkout
Pay with Google 
EBS Worldpay
Pay with EBS Worldpay 
atom PAYNETZ
Pay with atom PAYNETZ 
Credit Card
EFT

18.5 Using a Saved Credit Card

- Both of the following conditions need to be satisfied in order for the “saved credit card” option to be displayed (if not both satisfied then offer the standard display):
 - CHECKOUT_KEEP_PAYMENT_METHODS is set to “TRUE”
 - There is at least one saved credit card available
- The drop-down should be pre-selected to the “default” credit card if one is available
 - Technical: OFBiz entity PARTY_PROFILE_DEFAULT
- Saved Credit Card UI:

Payment Information	
Total Amount Due	
BALANCE DUE: \$22.97	
Credit Card	
<input checked="" type="radio"/> Choose from a previously saved card:	
Select One:	<input type="text" value="Dropdown of saved cards"/>
Verification: *	<input type="text" value="Entry-field"/>
CHECKOUT_CC_VERIFY	
<input type="radio"/> Pay with another card, my details are below:	
[Credit Card Prompts]	

- The drop-down should display saved card as follows:

Visa: *****1234 Exp:08/15
 Mastercard *****9876 Exp:06/16
 Amex *****2222 Exp:05/13

Etc

- If CHECKOUT_CC_VERIFICATION_REQ is set to TRUE
 - The verification should be used for payment authentication but should NOT be stored
 - Future use of this Credit Card will prompt for the verification information as a security precaution

18.6 Credit Card Validation

- If any credit card information is incorrect or the Credit Card cannot be processed a general message should be displayed at the top of the Order Summary (or Single Page Checkout) page:

"We cannot process your payment information. Please check your information and retry."

- Credit Card Type drop-down:

"A Credit Card type must be selected from the drop-down"

- Credit Card Number:
 - The credit card number should be validated using the standard "Luhn Algorithm" (basic Mod 10 Checksum)

"A valid Credit Card number must be entered. Please try again."

- Expiration Date:
 - The Expiration Date, both MONTH and YEAR should be selected. It must be either equal to the current system date or in the future.

"A valid Expiration Date must be selected. Please try again."

- Verification Code, if prompted:
 - The Verification Code must either be 3 or 4 numeric digits.

"A valid Verification Code must be entered. Please try again."

18.7 Using a Saved EFT

- Both of the following conditions need to be satisfied in order for the "saved credit card" option to be displayed (if not both satisfied then offer the standard display):
 - CHECKOUT_KEEP_PAYMENT_METHODS is set to "TRUE"
 - There is at least one saved EFT available
- The drop-down should be pre-selected to the "default" credit card if one is available
 - Technical: OFBiz entity PARTY_PROFILE_DEFAULT
- Saved EFT UI:

Payment Information
Total Amount Due
BALANCE DUE: \$22.97
Electronic Funds Transfer (EFT)
<input checked="" type="radio"/> Choose from a previously saved bank account: <div style="text-align: center;"> Select One: Dropdown of saved EFT </div> <input type="radio"/> New Electronic Bank Account payment, my details are below: [EFT Prompts]

- The drop-down should display saved card by using the Bank Account, Account Name and Account Type, as follows:

JP Morgan Chase, Bob and Helen Smith, Checking
Community Bank, Bob Smith, Savings

18.8 Auto Selection of Credit Card or EFT “radio button”

- In the event that both the “Choose from a previously saved ...” or “use a new ...” options are offered then the selection of the specific radio-button should be automatic:
- Radio Button selection for “Choose from a previously ...” should occur when any of the following fields are selected, or entry is detected:
 - Select One, selection changed
 - Verification, entry detected (credit card only)
- Radio Button selection for “Pay with another ...” should occur when any of the Credit Card or EFT fields are detected
- In the event that both Credit Card and EFT are offered, and “choose from previous” is also available then the radio buttons must be grouped in such a way that only one of the four radio buttons can be selected

19 Submit of Order

19.1 Single Payment Method

- A single payment method such as Credit Card, PayPal, EBS or PAYNETZ follows standard OFBiz processing
 - If successful then redirect to the Order Confirmation page
 - If not successful then display the appropriate error message

19.2 Multiple Payment Methods

- Orders can be paid for using **multiple** payment methods
- An order cannot be processed until enough order payments have been applied to cover the Total Amount Due
- If full payment is expected then if all applied payments do not cover the full amount of the order, processing is returned to the order summary page displaying an error message.

"We cannot process your order. Selected payment methods do not cover the full amount due of your order."

19.3 Gift Card plus another Payment Method

- For example:
 - Order Total: \$100
 - Gift Card: \$25
 - Credit Card: \$75
- The sequence of processing is critical when considering this combination
- The sequence is as follows:
 - Reevaluate all applied Gift Cards and compare to what is currently displayed
 - Gift Card should still be valid and the Amount should match the Gift Card display
 - This check is required since a customer may have used this Gift Card on another site, or within a new browser session
 - If any differences then
 - Remove all applied Gift Cards from the Gift Card redemption component
 - Display error message and return:

"Error Found while processing your Gift Card information. The Gift Card information has recently changed. For your security we have removed all applied Gift Cards."
 - Process the credit card payment

- If any errors, display appropriate error message and return
- Redeem Gift Cards
 - At this point the Gift Cards have been reevaluated and are still valid
 - And the credit card portion has successfully processed
 - Execute the appropriate callout to redeem the Gift Cards and reduce balances accordingly

20 Shipping Methods: Standard Processing

20.1 PO Box

- It is common for US based retailers to only use the United States Postal Service (USPS) for delivery to a Post Office Box (PO Box)
 - PO Boxes are housed within a physical Post Office and other carriers (Fedex etc.) will NOT deliver mail to a PO Box
- During checkout, the following processing is required:
 - If the Shipping Address is a "PO Box" then only offer Shipping Methods that allow deliveries to a PO Box
- Technical Notes:
 - To check if the Shipping Address is a "PO Box" look at util method `isNotPoBox`
 - The existing entity `PRODUCT_STORE_SHIPMENT_METH` will require a custom attribute
 - Name: `ALLOW_PO_BOX_ADDR`
 - Type: `Indicator`
 - Valid Values: "Y" or "N"

20.2 International (GEO Based) Shipping

- It is common for retailers to have international customers that are willing to pay additional shipping charges to receive products
- In this case, a GEO based solution is required in order to only offer Shipping Methods that are appropriate for the shipping location
- Example: a US based retailer will sell to Canadian customers but only offer "Fedex International" as the shipping method
- Technical Notes:
 - This is handled by OFBiz by using the GEO relationships within the Shipping Method setup

21 Shipping Methods: Special Processing

21.1 Check Inventory Available for All Items in Cart

21.1.1 Requirement

- A specific requirement to check if inventory in the warehouse is available for all items in the cart
- Only if ALL items are available in the warehouse can next-day delivery be offered to the customer

21.1.2 Processing Rules

- Only apply if the client implementation is using the BigFish Inventory mechanism
 - INVENTORY_METHOD = "BIGFISH"
- Checking Warehouse Inventory
 - For ALL items in the Cart
 - Check PRODUCT_ATTRIBUTE
 - Using ATTR_NAME of "BF_INVENTORY_WHS"
 - If less than or equal to ZERO:
 - then NEXT-DAY is NOT available
- Suppressing NEXT-DAY delivery options
 - Allow regular OFBiz services to retrieve all available Shipping Options
 - The system parameter CHECKOUT_REMOVE_SHIP_COST_EST contains a comma separated list of SHIPPING_COST_ESTIMATE ids that should be used to remove Shipping Options returned from OFBiz

21.2 Force splitting into separate Shipping Groups based on Methods available

21.2.1 Processing

- This is specifically for Steven Singer Jewelers (SSJ)
- For the "Gold Dipped Roses" these are always shipped using a specific method (Fedex 2-day) and any other items in the cart cannot be combined with the Rose shipment
- Parameter CHECKOUT_SPLIT_SHIP_GROUPS
 - TRUE: will override the standard OFBiz processing and split out any Rose items into a separate Shipping Group
 - FALSE: standard OFBiz logic will be performed in determining available Shipping Methods

22 Promotion Processing

- The promotion processing section is available on the Show Cart, Order-Summary and Guest-Check-Out pages
 - Managed by the DIV Sequencing strategy, see spec "*BF Admin Module DIV Sequencing.doc*" for additional information

22.1 Visual Guideline

Promotions and Coupon Codes

[Promo-Error-Message-Area]

If you have an Coupon code, please enter it here:

Apply Coupon Code

[Details of applied Promotions]

22.2 Processing Rules

- The system parameter CHECKOUT_PROMO_MANUAL_ONE_ONLY will determine if more than one manual promo-code can be applied to an order. Values are:
 - TRUE: only ONE promo-code will be allowed to be applied to the Order. Whenever a Promo-Code is added, and is valid, then any previously applied promo-codes should be removed
 - FALSE: multiple promo-codes are allowed to be applied to the Order
- As each promotion is applied it will be listed underneath the Apply-Promo-Code area
- The "Remove" link will remove the Promo Code from the cart, no confirmation is required
- An example of an applied Promo-Code is as follows:

Promotions and Coupon Codes

If you have an Coupon code, please enter it here:

Apply Coupon Code

Coupon Code: TENPCTOFF

Promotion: 10% Off Everything

Message: Applied, see Summary Below

[Remove Offer](#)

- Most Promo-Codes are mutually exclusive. If a promo-code has already been applied and an attempt is made to add another then a message will be displayed:

Promotions and Coupon Codes

We're sorry, you already have a Offer-Code applied to the Cart. If you want to use another Offer-Code

then please Remove the existing applied Offer

If you have an "Coupon" code, please enter it here:

Apply Coupon Code

Coupon Code: TENPCTOFF

Promotion: 10% Off Everything

Message: Applied, see Summary Below

[Remove Offer](#)

- Some Promo-Codes are added to the cart but not applied. For example, if a Free-Shipping offer is available for a cart-sub-total in excess of \$20 – but the cart is less than \$20 – the offer is added to the cart but not yet applied.

Promotions and Coupon Codes

If you have an Coupon code, please enter it here:

Apply Coupon Code

Coupon Code: FREESHIP20

Promotion: Spend \$20 or more and get Free Shipping

Message: Added but does not apply

[Remove Offer](#)

- Multiple Promo Codes: in some instances multiple promotions may be allowable:

Promotions and Coupon Codes

If you have an Coupon code, please enter it here:

Apply Coupon Code

Coupon Code: FREESHIP20

Promotion: Spend \$20 or more and get Free Shipping

Message: Applied, see Summary Below

[Remove Offer](#)

Coupon Code: TENPCTOFF

Promotion: 10% Off Everything

Message: Applied, see Summary Below

[Remove Offer](#)

- Automatically applied Promo Codes cannot be removed, the "Remove Offer" link should be hidden:

Promotions and Coupon Codes

If you have an Coupon code, please enter it here:

Apply Coupon Code

Coupon Code: FREEGIFT50

Promotion: Spend \$50, get a free gift!!

Message: Applied, see Summary Below

22.3 Technical Note: Markup and Styling

- Some retailers will want to keep the styling very simply (they will not want to highlight the fact that coupons are available – this may cause abandonment with customers that do not have a coupon code)
- It is important to have the ability to remove the prominent styling shown in this document, specifically the “Promotions and Coupons Codes” bordered box
- We should ensure that all styles are exposed via the CSS so that less visible presentations can be implemented
- Refer to spec “*BF Technical Markup and CSS.doc*” for additional details

23 Loyalty Points Redemption Processing

23.1 Overview

- Loyalty Points Redemptions will have similar processing to both:
 - Promotions:
 - the price of the items are reduced before applying shipping and taxes
 - the Loyalty Points redemption updates the Order Items Summary component when applied
 - Gift Cards
 - there is the potential of the Loyalty Points money to exceed the balance due
 - on "submit", the Loyalty Points balance needs to be adjusted to reflect the redemption
- Balance Available
 - If the Loyalty Points available balance is equal or exceeds the total due amount then the Order will be considered paid-in-full
 - If the Loyalty Points available balance is less than the total due amount then the Customer will need to complete the purchase with a credit card or other payment method
- The Loyalty Points component is managed by the DIV Sequencing strategy, see spec "[*BF Admin Module DIV Sequencing.doc*](#)" for additional information
- For more information also refer to "[*BF Loyalty Points Overview.doc*](#)" for a high-level of all related processing

23.2 Visual Guideline

Loyalty Points Redemption	
[Error-Message-Area]	
If you are a Loyalty Points Member, enter your ID here:	<input type="text"/> <input type="button" value="Apply Loyalty Card"/>
[Details of applied Loyalty Points]	

23.3 Pre-Processing

- If the PARTY_ATTRIBUTE.ATTR_NAME = "LOYALTY_POINT_ID" has a value then pre-processing as follows:
 - Prefill the Loyalty ID entry field with the value (PARTY_ATTRIBUTE.ATTR_VALUE)

23.4 Processing Rules

- Validation
 - Loyalty Points ID must be entered
"Please enter a Loyalty Points ID"

- Invalid Card
"Please check your Loyalty Points ID, it appears you have entered an invalid number"
- Zero Balance
"This Loyalty Points ID has a zero balance and cannot be redeemed"

■ "Apply Loyalty Card"

- Depending on the value of CHECKOUT_LOYALTY_METHOD the appropriate service will be called in order to retrieve the latest details of the Loyalty program
- If the web service fails in anyway then a message is displayed (label/caption)

"We're sorry but we could not validate your Loyalty Card number. Please retry or call 1-888-555-1212 for assistance"

■ TODO

- Requirement to ensure that combination of Promotion / Loyalty / Gift Card / Credit Card adds up correctly to pay for the Order
 - Example: make sure redemption does not exceed Order Items
 - Example: if Loyalty redemption of \$100 is used to pay an order in full; and then the Customer applies a 10%-OFF promotion, then the something has to be adjusted

23.5 Web Service Successful

■ Convert Points to Monetary value:

```
If CHECKOUT_LOYALTY_CONVERSION is numeric and greater than one
    Monetary-Value = POINTS / CHECKOUT_LOYALTY_CONVERSION
Else
    Monetary-Value = POINTS
```

- The valid redemption is applied and listed underneath the Apply-Gift-Card area
 - The Loyalty Points ID entry box is disabled
 - The "Apply Loyalty Card" button is hidden
 - the Order Items Summary component should be adjusted accordingly showing the adjusted balance
 - Technical Note:
 - Added to the shopping cart as an adjustment (prior to the calculation of Shipping and Taxes)
 - Use service ShoppingCart.addAdjustment()
 - ORDER_ADJUSTMENT_TYPE_ID = "LOYALTY_POINTS"
- An example of an applied Loyalty Points ID is as follows:

Loyalty Points Redemption

If you are a Loyalty Points Member, enter **8877999**

your ID here:

Points Available: 100
Amount Available: \$10.00
Expires: 1/1/2014

Points Redeemed: 100
Amount Redeemed: \$10.00

Update

Remove
Loyalty Card

- Expiration is only displayed if received from the Loyalty Card service

■ Initial Display

- If Amount Redeemed is greater than amount owed, then adjust the Points Redeemed to match the Amount Owed

$$\text{POINTS-REDEEMED} = \text{AMOUNT-OWED} * \text{CHECKOUT_LOYALTY_CONVERSION}$$

- Then recalculate Monetary-Value (as per "Convert Points to Monetary Value" formula above), and display warning message:

"The Total Number of Points available exceeds what you owe! We have adjusted the Points Redeemed accordingly"

- Otherwise,
 - Points Redeemed is set to Points Available
 - Amount Redeemed is set to Amount Available

■ Less than one monetary value unit available

- Display summary of the applied loyalty redemption

"Your Loyalty Program is active and valid but unfortunately you do not have any credits available. Please retry or call 1-888-555-1212 for assistance"

■ Modifying the Number of Points Redeemed ("Update")

- If Points-Redeemed is not numeric, less than 1 or exceeds the Points Available

"The Points Redeemed must be numeric, must be greater than zero and cannot exceed the number of Points you have available"

- If Amount-Redeemed is greater than Amount Owed

- Adjust Points Redeemed and Amount Redeemed as per rules in the "Initial Display" above

"The Total Number of Points that you entered exceeds what you owe! We have adjusted the Points Redeemed accordingly"

- Otherwise

- Apply Points and Amount as appropriate
- "Remove Loyalty Card"
 - will remove the Loyalty Card from the cart, no confirmation is required
 - enable the Loyalty Points ID entry box
 - display the "Apply Loyalty Card" button
- Interaction within the My Cart or Check Out page
 - In the event that the monetary totals are modified in the Cart or Check Out pages then the check "If Amount-Redeemed is great than Amount Owed" needs to be executed
 - This will apply to:
 - Qty change
 - Item removed
 - Promo Code applied or removed
 - Shipping Method modified

23.6 **"TEST" implementation**

- This section only applies if the system parameter CHECKOUT_LOYALTY_METHOD is "TEST"
- Entry must be numeric and a whole number
 - Message "Loyalty Card entry is invalid, must be numeric and a whole number"
- The number entered is used as the points
 - conversion rules to be applied to get money equivalent
- Expiration is [today] + 1 month
- An update to reduce the Loyalty balance after a successful "Submit Order" is NOT required

23.7 **Submit Order**

- **TODO:**
- Final redemption of the Loyalty money is not performed until the "Submit Order" action button is clicked
 - Processing detailed in this section has retrieved information from the Gift Card provider
 - No updates have been made
- See section "Submit Order", special processing may be required when combining Loyalty redemptions payment with another payment
 - Consider combination of Loyalty + Gift Card + Credit Card

23.8 **Technical: OFBiz Mapping**

- Any Adjustment amount applied will be stored in the ORDER_ADJUSTMENT entity

TABLE: ORDER_ADJUSTMENT

Column	Value
ORDER_ADJUSTMENT_ID	12345
ORDER_ADJUSTMENT_TYPE_ID	LOYALTY_POINTS
ORDER_ID	[ORDER_ID]
AMOUNT	[AMOUNT_APPLIED]

- The entity ORDER_ADJUSTMENT_ATTRIBUTE will be used to store information that is relevant to the specific adjustment

- This uses the ATTR_NAME, ATTR_VALUE technique
- The ATTR_NAME have been defined ATTR_NAME attributes to be stored as follows:

- Loyalty Card Method

ORDER_ADJUSTMENT_ID	12345
ATTR_NAME	ADJUST_METHOD
ATTR_VALUE	[CHECKOUT_LOYALTY_METHOD]

- Loyalty Points Member ID

ORDER_ADJUSTMENT_ID	12345
ATTR_NAME	MEMBER_ID
ATTR_VALUE	[Loyalty Points Member ID]

- Points Redeemed

ORDER_ADJUSTMENT_ID	12345
ATTR_NAME	ADJUST_POINTS
ATTR_VALUE	[Points]

- Expiration Date

ORDER_ADJUSTMENT_ID	12345
ATTR_NAME	EXP_DATE
ATTR_VALUE	[Expires]

- Loyalty Conversion at time of purchase

ORDER_ADJUSTMENT_ID	12345
ATTR_NAME	CONVERSION_FACTOR
ATTR_VALUE	[CHECKOUT_LOYALTY_CONVERSION]

24 Store Credit Redemption Processing

24.1 Overview

- Store Credits are available if
 - CHECKOUT_STORE_CREDIT is "TRUE" AND there is a Store Credit available for the customer
 - NOTE: if CHECKOUT_STORE_CREDIT is "TEST" then force a 10 unit store credit (do not check availability)
- The Store Credit component is managed by the DIV Sequencing strategy, see spec "[*BF Admin Module DIV Sequencing.doc*](#)" for additional information

24.2 Visual Guideline

Store Credit Redemption	
[Error-Message-Area] <small>3</small>	
You have a \$423.62 Store Credit available	
Use Store Credit: <input checked="" type="checkbox"/>	Amount Redeemed: <input type="text" value="100"/>

24.3 Processing Rules

- Validation
 - Amount Redeemed must be numeric and greater than zero
"The Amount Redeemed must be a dollar amount and greater than zero"
 - Amount Redeemed cannot exceed amount available
"The Amount Redeemed cannot be more than the Store Credit available"
 - Amount Redeemed cannot exceed balance due
"The Amount redeemed is more than the outstanding balance"
- Applying the Store Credit
 - Processing should be the same as applying a Gift Card
 - When the checkbox is clicked, or the amount redeemed is modified, then adjust the balance due
- Successful Checkout
 - Adjust the Store Credit to reduce by the Amount Redeemed

24.4 "TEST" implementation

- This section only applies if the system parameter CHECKOUT_STORE_CREDIT is "TEST"

- Force a 10 whole unit to be available for Store Credit
 - In other words, for a dollar based implementation it would be \$10.00
- An update to reduce the Store Credit balance after a successful "Submit Order" is NOT required

24.5 Technical Notes

- Customer 'Available' Store credit
 - To check available store credit a customer must be logged in.
 - Available Financial Accounts

FIN_ACCOUNT_ROLE	
Column	Value
FIN_ACCOUNT_ROLE.PARTY_ID	[Customer Party Id]
FIN_ACCOUNT_ROLE.ROLE_TYPE_ID	OWNER
FIN_ACCOUNT_ROLE.FROM_DATE	
FIN_ACCOUNT_ROLE.THRU_DATE	

FIN_ACCOUNT	
Column	Value
FIN_ACCOUNT.FIN_ACCOUNT_TYPE_ID	SVCCRED_ACCOUNT
FIN_ACCOUNT.STATUS_ID	FNACT_ACTIVE
FIN_ACCOUNT.AVAILABLE_BALANCE	[Available Balance > 0]

- Note: Use View: FIN_ACCOUNT_AND_ROLE to find a customer's Available Financial Accounts using the above criteria.

25 Pickup-In-Store: Technical Guidance

- We currently have a shipping option of 'No Shipping'; this will be a hidden value on the shipping options page and set to the cart when the 'Pickup In Store' button is clicked.

- OFBiz Database:

TABLE: SHIPMENT_METHOD_TYPE	
Column	Value
SHIPMENT_METHOD_TYPE_ID	NO_SHIPPING
DESCRIPTION	No Shipping

□

TABLE: CARRIER_SHIPMENT_METHOD	
Column	Value
SHIPMENT_METHOD_TYPE_ID	NO_SHIPPING
PARTY_ID	_NA_
ROLE_TYPE_ID	CARRIER

□

TABLE: SHIPMENT_COST_ESTIMATE	
Column	Value
SHIPMENT_COST_ESTIMATE_ID	10000
SHIPMENT_METHOD_TYPE_ID	NO_SHIPPING
CARRIER_PARTY_ID	_NA_
CARRIER_ROLE_TYPE_ID	CARRIER
PRODUCT_STORE_ID	GMH_STORE
ORDER_FLAT_PRICE	0.00

□

- Since the store location is simply a party id with a role type of 'STORE_LOCATION' the 'select store for pickup' will be stored as an order role.

- OFBiz Database:

TABLE: ORDER_ROLE	
Column	Value
ORDER_ID	WS10410
PARTY_ID	30290
ROLE_TYPE_ID	STORE_LOCATION

□

- Additionally, the ORDER_ATTRIBUTE table should be used to identify the Delivery Option:

- ATTR_NAME = "DELIVERY_OPTION"
- ATTR_VALUE = "SHIP_TO" or "STORE_PICKUP" or "COD"

- The order payment will be resolved to an 'offline' payment type of 'EXT_COD' or 'EXT_OFFLINE', this will allow the order to be created and set to a status of 'ORDER_APPROVED' when the order is processed.

- OFBiz Database:

TABLE: ORDER_PAYMENT_PREFERENCE	
Column	Value
ORDER_PAYMENT_PREFERENCE_ID	10410
ORDER_ID	WS10410
PAYMENT_METHOD_TYPE_ID	EXT_COD
MAX_AMOUNT	16.16
STATUS_ID	PAYMENT_NOT_RECEIVED

- From there everything is done in the admin module to receive the payment and set the status of the order to 'ORDER_COMPLETED'.

- OFBiz out-of-the-box workflow as follows:

- Created the order '**WS10410**' with a shipping option of 'No Shipping' and a payment method of 'COD'.
- This created the order as approved and made the 'Receive Payment' button available.
- Received the payment as cash in the amount of \$16.16. NOTE: in reality this step would not be required. A Pickup-In-Store
- OFBiz Database:

TABLE: ORDER_PAYMENT_PREFERENCE	
Column	Value
ORDER_PAYMENT_PREFERENCE_ID	10411
ORDER_ID	WS10410
PAYMENT_METHOD_TYPE_ID	CASH
MAX_AMOUNT	16.16
STATUS_ID	PAYMENT_RECEIVED

□

- Changed the status of the order to 'ORDER_COMPLETED'.
- The Admin Module will handle this with the "*BF Order Status*" implementation.

26 BlueDart Integration

26.1 Business Overview

- For India clients, the BlueDart integration is an option
- The BlueDart solution will verify if a shipment can be made to a specific PIN Code
 - PIN is the Indian equivalent of a US Zip Code
- When customers are in the Check Out process an additional check is required to ensure that Delivery can actually be made to their requested Shipping Address
- If the Checkout process determines that there are NO available delivery methods available then the page will clearly indicate as such:

Shipping Methods

We're sorry but we cannot schedule a delivery to your address

[No Shipping Method has been selected]

- See spec "*BF BlueDart Integration.doc*" for more details