

Project Part 2 – Individual

Name: Prithvi Teja Veeravalli

Project Name: #shareMyStuff

Requirements:

UR-001	Users must be able to login in to the application using credentials
UR-004	Customer should be able to view all the products available for sale or free sharing in the application
UR-005	Customer should be able to view and save products for later use.
UR-006	Customer should be able checkout items in shopping cart to request for a door delivery of the shipment through credit card payments.
UR-008	Customer should be able to view one's purchase history
UR-009	Customer must be able to track the shipment after the order
UR-016	All users should be able to logout from the application

Use Case Documents:

Use Case ID:	UC-15
Use Case Name:	View Product Details
Description:	Allows the customer to view details of a product of interest

Actors:	Customers		
Pre-conditions:	The product should either be a free shared product or inventory product available for purchase.		
Post-conditions:	None		
Frequency of Use:	Very Frequently		
Flow of Events:	S.No	Actor Action	System Response
	1)	Select to view list of products	Retrieves list of freely shared products or inventory products available for purchase.
	2)	Select to view a free shared product	Retrieves product details
			File attached to the freely shared item gets opened.
Variations:	2) Select to view an inventory product.		
Notes and Exceptions:			
Developer Notes:			

Use Case ID:	UC-18
Use Case Name:	Checkout Items
Description:	Allows customer to checkout inventory products in his shopping cart and request for a door delivery by making a payment via. a credit/debit card.

Actors:	Customers		
Pre-conditions:	Customer should add one or more inventory products to the shopping cart.		
Post-conditions:	The inventory products in the shopping cart would be bought by the customer, which would be reflected in the purchase history of the customer and in the list of pending shipments which can be seen by the logistic user.		
Frequency of Use:	Frequently whenever a user decides to buy any inventory products.		
Flow of Events:	S.No	Actor Action	System Response
	1)	Select the checkout button in GUI.	Retrieve List of inventory products in the shopping Cart. Lock availability of inventory products in the shopping cart.
			Retrieve Address on the Customer's Profile.
	2)	Select that the address on profile is not true or not up to date.	Returns a form to enter the new or up to date address.
	3)	Enter up to date address in to the form.	Update address on the customer's profile with the newly entered address. Retrieves card details attached to the customer.
	4)	Choose that you wish to use a different card from the one attached to the profile.	Returns a form to enter credit card details.
	5)	Enter credit card info	Validate the credit card info provided to be true.
			Add product to pending shipments

Variations:	2)Customer selects that the address to be not true or not up to date. 4)Choose the payment card to be the one attached to the user's profile.
Notes and Exceptions:	
Developer Notes:	

Use Case ID:	UC-19
Use Case Name:	Bookmark Product
Description:	Allows customer to bookmark a product of interest so that it can be visible in the list of bookmarked products.

Actors:	Customers		
Pre-conditions:	The product being bookmarked can either be a free shared product or an inventory product which has not been purchased yet by other users in the platform i.e. it should be available for purchase.		
Post-conditions:	The product gets added to the list of products customer has bookmarked.		
Frequency of Use:	Frequently whenever a user comes across an interesting product.		
Flow of Events:	S.No	Actor Action	System Response
	1)	Select to view list of products.	Retrieve list of shared products and inventory products available for purchase.
	2)	Select one of the product in the list of products.	Returns details of the product.
	3)	The customer finds the product interesting and selects the bookmark button in GUI.	Add the product to list of products the customer has bookmarked.
Variations:			

Notes and Exceptions:	
Developer Notes:	

Use Case ID:	UC-20
Use Case Name:	Add to shopping cart
Description:	Allows customer to add the product he wishes to buy to his shopping cart.

Actors:	Customers		
Pre-conditions:	The product should either be a free shared product or inventory product available for purchase.		
Post-conditions:	The product gets added to the customer's shopping cart.		
Frequency of Use:	Frequently		
Flow of Events:	S.No	Actor Action	System Response
	1)	Select to view list of products.	Retrieve list of products.
	2)	Select one of the inventory product in the list of products.	Returns details of the inventory product along with its price.
	3)	The customer likes the product and decides to purchase it so he decides to add the product to shopping cart.	Add the product to the customer's shopping cart.
Variations:			
Notes and Exceptions:			
Developer Notes:			

Use Case ID:	UC-21
Use Case Name:	Remove from Shopping Cart
Description:	Allows the customer to remove a product from his shopping cart

Actors:	Customers		
Pre-conditions:	The product should be present in the customer's shopping cart.		
Post-conditions:	The product would be removed from the shopping cart.		
Frequency of Use:	Frequently		
Flow of Events:	S.No	Actor Action	System Response
	1)	Open shopping cart	Retrieves products in shopping cart.
	2)	Select one of the product to remove from shopping cart.	Remove product from shopping cart
Variations:			
Notes and Exceptions:			
Developer Notes:			

Use Case ID:	UC-22
Use Case Name:	View Shipment Status
Description:	Allows the customer to view shipment status of a product he has already purchased.

Actors:	Customers		
Pre-conditions:	The customer should have already purchased the product.		
Post-conditions:	None		
Frequency of Use:	Frequently i.e. whenever the customer places an order he would generally constantly monitor the shipment status.		
Flow of Events:	S.No	Actor Action	System Response
	1)	Select to view purchase history	Retrieves products purchased by the customer.
	2)	Select one of the inventory product from the purchase history.	Retrieves the Shipment Status and displays it to the user.
Variations:			
Notes and Exceptions:			
Developer Notes:			

Use Case ID:	UC-23
Use Case Name:	View Purchase History
Description:	Allows the customer to view list of inventory products he has purchased.

Actors:	Customers
----------------	-----------

Pre-conditions:	The customer should have already purchased one or more products.		
Post-conditions:	None		
Frequency of Use:	Reasonably Frequently		
Flow of Events:	S.No	Actor Action	System Response
	1)	Select to view purchase history	Retrieves products purchased by the customer. And displays it to the user
Variations:			
Notes and Exceptions:			
Developer Notes:			

Use Case ID:	UC-24
Use Case Name:	Login User
Description:	User can log into the system using his credentials

Actors:	Admin, Costumer, Logistics user		
Pre-conditions:	User has authentication details.		
Post-conditions:	User is directed into application.		
Frequency of Use:	Every time.		
Flow of Events:		Actor Action	System Response
	1	User enters his username and password.	User is logged into system and directed to his specific page.

Variations:	1. If the credentials are wrong, user stays in login page.
Exception:	
Developer Notes:	

Use Case ID:	UC-25
Use Case Name:	Logout User
Description:	User can log out of the system.

Actors:	Admin, Costumer, Logistics user	
Pre-conditions:	User is authenticated into system.	
Post-conditions:	User is logged out of the application.	
Frequency of Use:	Every time.	
Flow of Events:		Actor Action
	1	User selects logout option in UI.
		System Response
		User is logged out of application.
Variations:		
Exception:		
Developer Notes:		

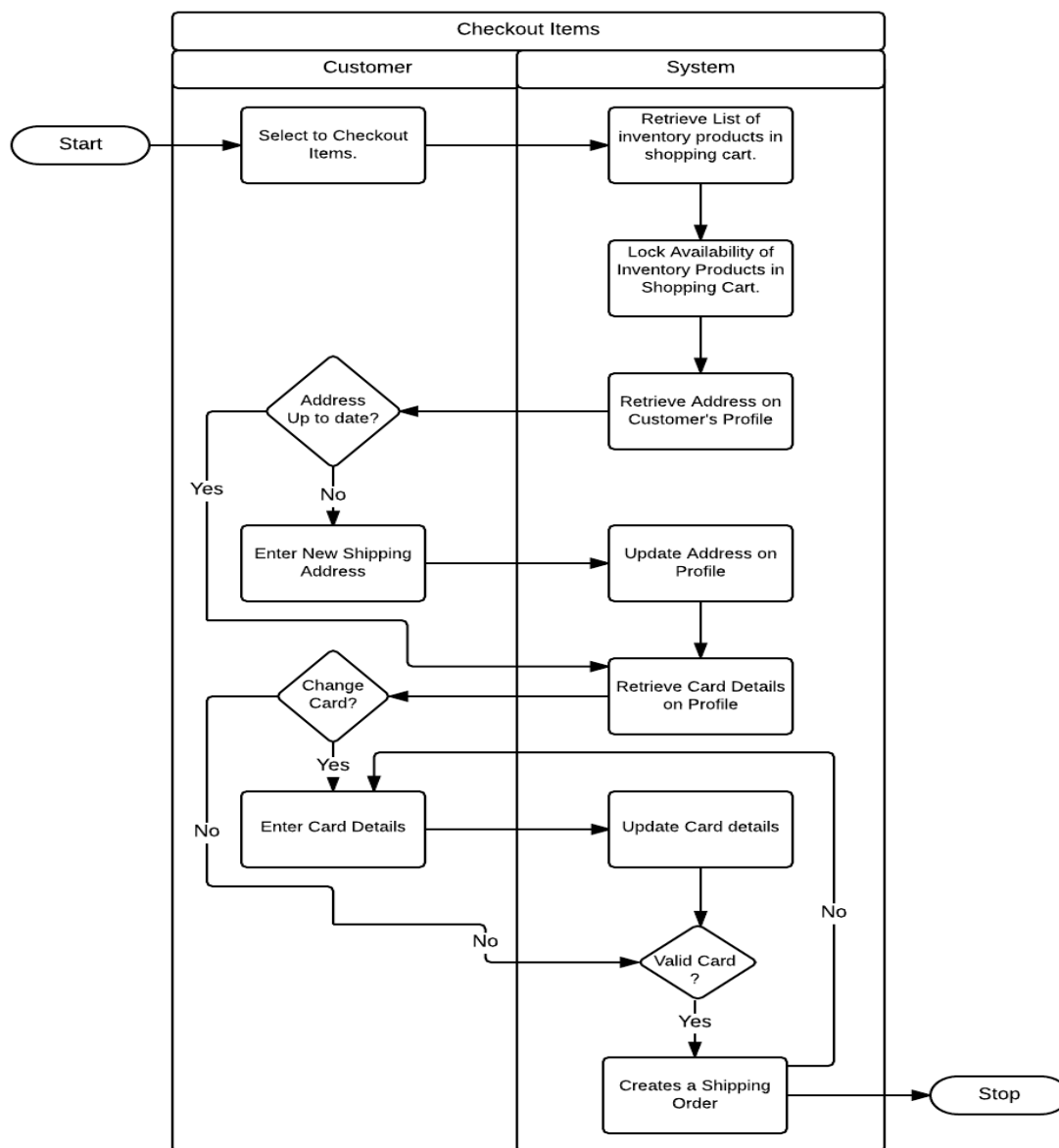
Activity Diagram:

Requirement Id: UR-006

Use Case Id: UC-18

Use Case Description: Allows customer to checkout the inventory products in his shopping cart and request for a door delivery by making a payment via. a credit/debit card.

Created by: Prithvi Teja Veeravalli



For a clearer view of the activity diagram please visit the below link.

https://github.com/SKRVulupala/CSCI5448/blob/master/PrithviTejaVeeravalli_ActivityDiagram.png

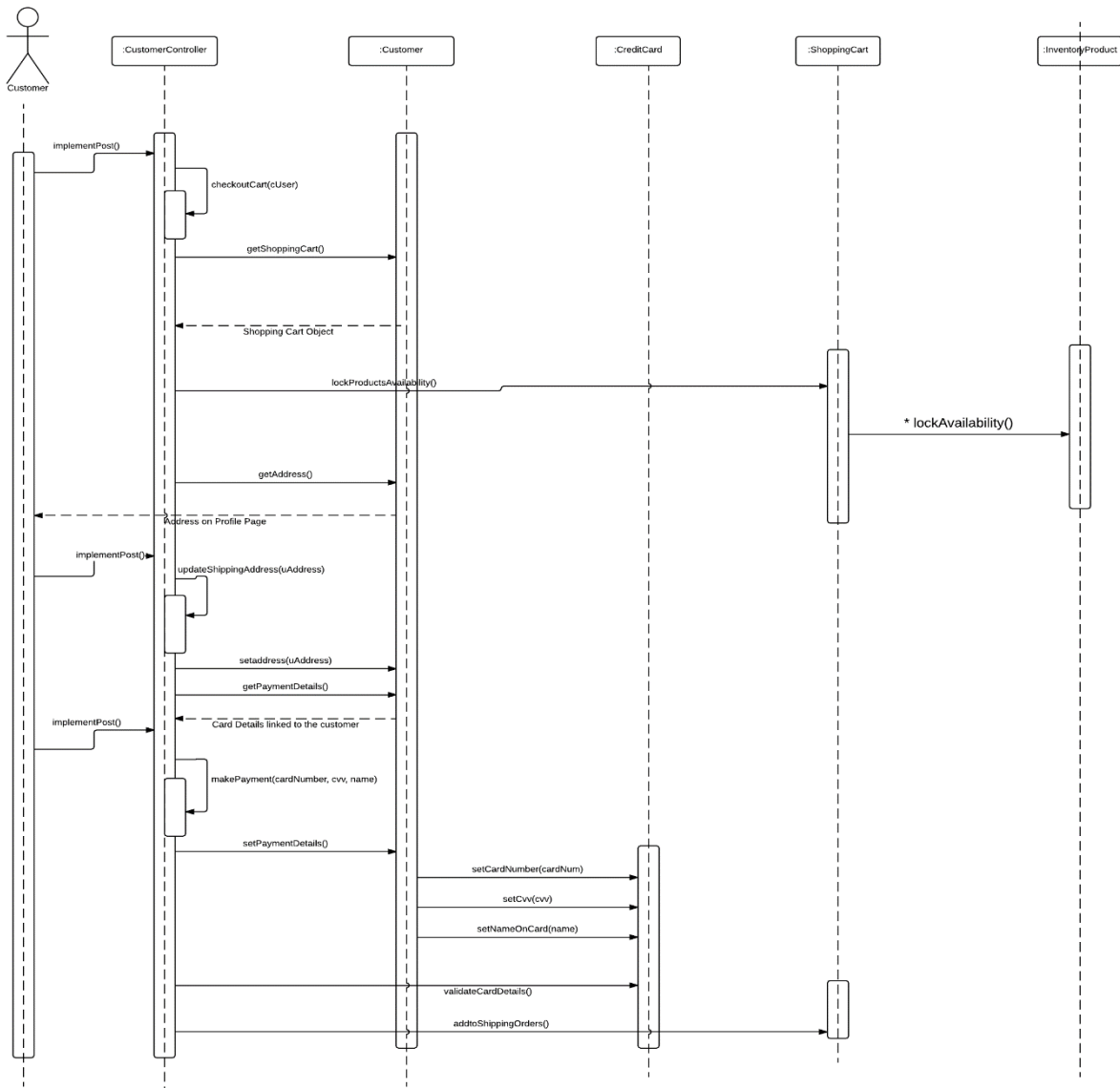
Sequence Diagram:

Requirement Id: UR-006

Use Case Id: UC-18

Use Case Description: Allows customer to checkout the inventory products in his shopping cart and request for a door delivery by making a payment via. a credit/debit card.

Created by: Prithvi Teja Veeravalli



For a clearer view of the sequence diagram please visit the below link.

https://github.com/SKRVulupala/CSCI5448/blob/master/PrithviTejaVeeravalli_SequenceDiagram.png

implementPost() in the sequence diagram corresponds to **implementPost(HttpServletRequest, HttpServletResponse)**. Because of space limitations I have represented the method as stated. This method is used to differentiate between the various html requests made at different points in the application and call the appropriate function in the controller.

