

OYR Inventory Manager : Use Case Description

Use Case Number: 1		
Name	Merchant account setup	
Brief description	Merchant must create account in order to set up his business empire	
Actors	Merchant	
Preconditions		
Flows of Events:		
1. Basic Flows		
1.1.0 Create Merchant account		
Step	User Actions	System Actions
1	Merchant click on create account button	The system displays form with the fields for firstname, lastname, email, phone number, password, business name and a submit button
2	The merchant fill out the form and click submit button	The system validates that there is no other merchant with the same email and merchant name and return a success message or a fail message in the case of failure. In case the email and/or merchant name exist, the system display appropriate message to prompt the merchant to make necessary changes
Postconditions		
Merchant information is saved in the database		
Business Rules		
Merchant name and email must be unique therefore duplicate is not allowed		
1.1.1 Update Merchant Information		
Step	User Actions	System Actions

1	The merchant click on the profile button and click on edit	The system displays form with the fields for firstname, lastname, email, phone number, password, business name and a update button. Business name and email field is not editable
2	The merchant make necessary changes and click on edit button	The system persist the changes and generate successful message or fail message if something unexpected happened
Preconditions		
Merchant must be login		
Postconditions		
Merchant changes is persisted in the database		
Business Rules		
Merchant name and email should not be editable		
Use Case Number: 2		
Name	CRUD for Merchant Location	
Brief description	Merchant must be able to create locations as his business grows	
Actors	Merchant	
Preconditions		
Merchant must be login		
2.1.1 Create Merchant Location		
Step	User Actions	System Actions
1	Merchant click on button to add new location	The system display form to capture location name and address and a submit form
2	Merchant fill the form and click submit button	The system validate location name is unique per merchant, create new location and return success message. In case of duplicate location name, a fail message is displayed
Postconditions		
New merchant location is created in the database		

Business Rules		
Location name must be unique per merchant		
2.1.2 View Merchant Locations		
Step	User Actions	System Actions
1	Merchant click on location button	System generate and display list of locations
Preconditions		
Merchant must be login		
Postconditions		
Business Rules		
Only locations belonging to the merchant must be display		
2.1.3 Update Location		
Step	User Actions	System Actions
1	Merchant click on 'Edit' on the location to update	The system display form with location information with location name not editable and submit button
2	Merchant make necessary changes and click submit	The system persist the changes and generate successful message or fail message if something unexpected happene
Preconditions		
Merchant must be login		
Postconditions		
Changes saved in the database		
Business Rules		
Location name must not be changeable		
2.1.4 Delete Specific Location		

Step	User Actions	System Actions
1		
2		
Preconditions		
Postconditions		
Business Rules		
Step	User Actions	System Actions
1		
2		
Preconditions		
Postconditions		
Business Rules		

Use Case Number: 3	
Name	Product CRUD
Brief description	This case provides functionalities to manage products
Actors	Merchant

Preconditions		
Merchant must logged in to the system		
Flows of Events:		
1. Basic Flows		
1.1.0 Create Product		
Step	User Actions	System Actions
1	The merchant call create product command	The system displays the product form with name, code, and price.
2	The merchant fills out the form and requests the system to save the details	The system verifies there's no other product with the same code and saves the product and returns a success message or a fail message in case of an exception. It should return a specific message when a duplicate product exists.
Postconditions		
Product information is saved in the database		
Business Rules		
1.1.1 Read/View Product		
Step	User Actions	System Actions
1	The merchant requests for a list of products	The system returns a list of all products.
2	The merchant selects to view a product they want from the list	The system returns the product object as a string with product code, and product name
Preconditions		
Merchant must logged in to the system		
Postconditions		

Business Rules		
1.1.2 Update Product		
Step	User Actions	System Actions
1	The merchant requests for a list of products	The system returns a list of all products.
2	The merchant selects to view a product they want to update	The system displays an editable form with the product details
3	The merchant changes the parts they want to update and requests system to save the new details	The system updates the product and returns a success message or a fail message on exception.
Preconditions		
Merchant must logged in to the system		
Postconditions		
Product information is updated in the database		
Business Rules		
1.1.3 Delete Product		
Step	User Actions	System Actions
1	The merchant requests for a list of products	The system returns a list of all products.
2	The merchant selects to delete a product from a list	The system displays a confirmation dialogue window
	The merchant selects OK on the confirmation dialog window to confirm deleting the product	The system deletes and returns a success message or a fail message on exception.
Preconditions		
Merchant must logged in to the system		

Postconditions
Product information is updated in the database
Business Rules

Use Case Number: 4		
Name	Perform Sale	
Brief description	The salesperson or merchant should be able to sell product in store	
Actors	Salesman and/or Merchant	
Preconditions		
Merchant or salesperson must logged in to the system		
Flows of Events:		
1. Basic Flows		
4.1.0 Sell product		
Step	User Actions	System Actions
1	The merchant/salesperson search for product in the system by entering the product name	The system display products that matched the product name entered
2	The merchant/salesperson select the product to add to checkout panel for each of the products And click pay button to complete the transaction(cash payment only)	The system generate the total amount, complete the transaction and display success message

Postconditions	
Each of the product quantity is decreased appropriately, transaction is captured in the database	
Business Rules	
Product quantity must be decrease appropriate for the location	

Use Case Number: 5		
Name	Dealer CRUD	
Brief description	The merchant must be able to create dealer that supply him products	
Actor	Merchant	
Preconditions		
Merchant must logged in to the system		
Flows of Events:		
1. Basic Flows		
5.1.0		
Step	User Actions	System Actions
1		
2		
Postconditions		

Business Rules

Use Case Number: 6		
Name	Dealer supply product to the location	
Brief description	Merchant request for product to be supplied to his specific location	
Actor	Merchant	
Preconditions		
Merchant must logged in to the system		
Flows of Events:		
1. Basic Flows		
5.1.0		
Step	User Actions	System Actions
1		
2		
Postconditions		

Business Rules