



**University of
Nottingham**

UK | CHINA | MALAYSIA

Use Case Specification

Project Title: Drocery Store

Prepared by Sonia Mubasher

Student ID: 20129528

Supervisor: Chew Sze ker

Use Case ID: UC-1.

Use Case Name: Place Order.

Actor: Customer.

Use Case Purpose/Goal: This use case allows the customer to place order to purchase certain products from drocery.

Trigger: The customer wants to order certain products from drocery.

Precondition:

1. The customer must be registered with drocery.
2. The customer must be logged in.
3. The customer's shopping cart must contain at least one item.

Main Success Scenario:

Step	Actor action	Step	System Reaction
1	The customer selects Sign In	2	The system requests Sign In details
3	The customer selects an item to add to shopping cart	4	The system updates the shopping cart
5	The customer clicks "proceed to checkout"	6	The system requests the customer to enter his delivery address and select a payment method
7	The customer enters "place order"	8	The System requests the customer to make payment
9	The customer confirms order	10	The system sends a confirmation email to the customer

Post Conditions:

1. The system saves the new order.
2. The system checks if the product ordered is available or not.
3. The system dispatches the order to packaging employees.

4. The system sends a confirmation email to the customer.

Optimistic flow:

1. The customer browse/search for items.
2. The customer selects one or more items.
3. The customer adds the items to shopping cart.
4. The customer clicks on “cart” icon to view the selected items.
5. The customer clicks on “proceed to checkout” button.
6. The customer adds delivery address.
7. The customer selects payment method.
8. The customer clicks on “place order” button.
9. The customer clicks on “buy now” button.
10. The customer confirms the order.

Pragmatic flow:

Step 1 of the optimistic flow might be replaced with Step 1 and Step 2.

1. The customer clicks on the “option” icon which opens a dropdown with a list of options to select from.
2. The customer selects an item from the dropdown menu which further opens a sub menu for e.g. grocery>chocolates and sweets>chocolate.

The following steps are added.

3. The customer selects the item which opens new window with all the items related to the selected item.
4. The customer clicks on an item which opens a new window containing some more information about the product.

Exceptions:

1. Failure to save the order due to database failure.
2. Failure to send confirmation email to the customer.

3. Failure to make payment.

Use cases utilized:

1. Manage shopping cart.
2. User Authentication.

Scenario Notes:

1. If the order is cancelled, its items will also be lost.
2. The system calculates and re-calculates the total price for the order according to the amount changes. This price also includes the discount and shipping fee.

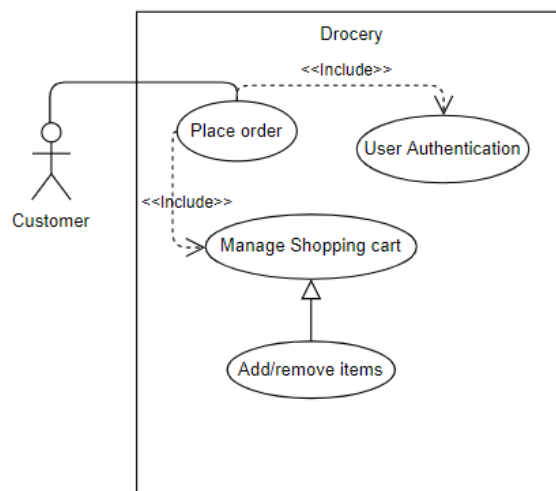


Figure 1: place order

Use Case ID: UC-2

Use Case Name: Manage Shopping cart.

Actor: Customer.

Use Case Purpose/Goal: This use case allows the customer to add/remove items from the shopping cart.

Trigger: The customer wants to place an order and therefore chooses items for it.

Precondition:

1. The customer must be registered with drocery.

2. The customer must be logged in.
3. The customer must execute a browsing or searching operation.
4. The customer must select an item.

Main Success Scenario:

Step	Actor action	Step	System Reaction
1	The customer selects Sign In	2	The system requests Sign In details
3	The customer executes searching operation	4	The system displays a list of products according to the search performed
5	The customer selects an item	6	The system opens a new window with some more information of the product
7	The customer adds the item to shopping cart	8	The system updates the shopping cart
9	The customer clicks on the cart icon	10	The system displays list of products in the shopping cart
11	The customer removes the item from shopping cart	12	The system updates the shopping cart

Post Conditions: The system updates the shopping cart according to the add/remove operation performed by the customer

Optimistic flow:

1. The customer browse/search for items.
2. The customer picks up one or more products from the list.
3. The customer clicks on the cart icon to view the items.
4. The customer adds products to or remove products from the shopping cart.

Pragmatic flow:

Step 1 of the optimistic flow might be replaced with Step 1 and Step 2.

1. The customer clicks on the “option” icon which opens a dropdown with a list of options to select from.

2. The customer selects an item from the dropdown menu which further opens a sub menu for e.g. grocery>chocolates and sweets>chocolate.

Exceptions:

1. Failure to add item to shopping cart.
2. Failure to re-calculate the price of products after adding/removing.
3. Failure to remove item from shopping cart.

Use cases utilized:

1. Browse/Search
2. User Authentication.

Scenario Notes:

The contents of the shopping cart are not saved. There is no possibility to permanently store the customer's shopping cart

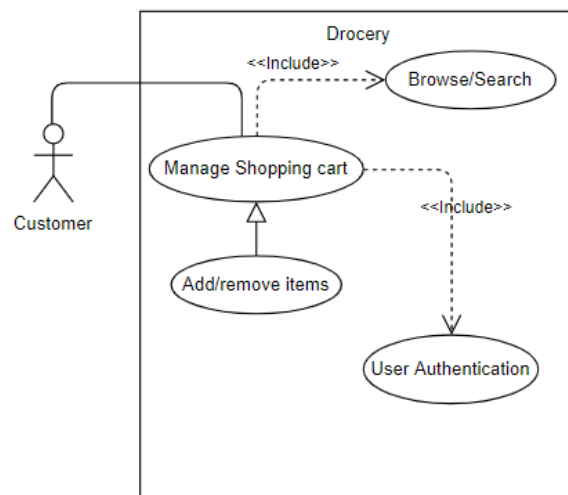


Figure 2: Manage Shopping cart