

1. Introduction

1.1 Overview of the Problem Statement

1.2 Features of Application

1.2.1 Registration of Users

1.2.2 Managing Orders

1.2.3 Shopping

1.2.4 Selling

2. Design

2.1 Class Diagram

2.2 Description of Each Class

2.3 Main Function

2.4 Use of Standard Design Patterns

3. Unit Test Plan

3.1 Seller Registration

3.2 Customer Registration

4 Implementation

4.1 Results

1. Introduction

i. Overview of Problem Statement

In an E-commerce platform (online Shopping) like amazon, Walmart, etc. the basic operations are Buying and selling. But involving these processes there lots of other processes that are need to be taken care of like providing a suitable platform for both sellers and customers to carry out the transaction between them. Both the sellers and customers register to the application. Then seller adds his products to the inventory (item list). Customer logs in to the application and surfs through the item list and adds selected items to the cart from which he places the order. Admin manages the order status and all the details of the customers and sellers.

ii. Features of Application

1. Registration of Users

The application has one admin for the sop login. Other users can login as either sellers who can add their products the shop or as customers who can add items to their cart and order the products. After the registration process only either of the seller or customer can login.

2. Managing Orders

The application lets the admin to track the shipment of the placed orders and manage them. It also lets the admin to manage the details of customers, sellers and catalog of products.

3. Shopping

The application provides the facilities(means) for the customer to browse through the items that are available and if he/she selects any item from the list they can add it to the cart and lastly they can order the item that are present in the cart. And also they can track their orders.

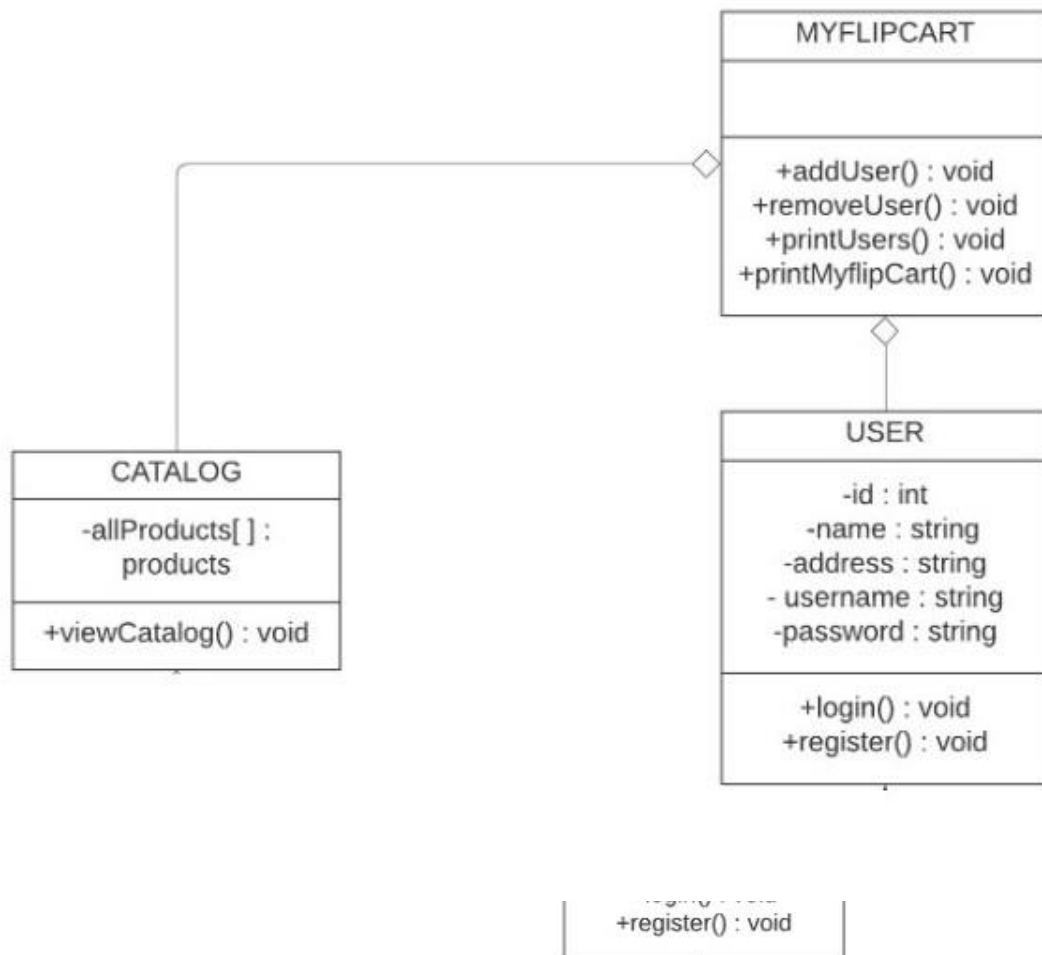
4. Selling

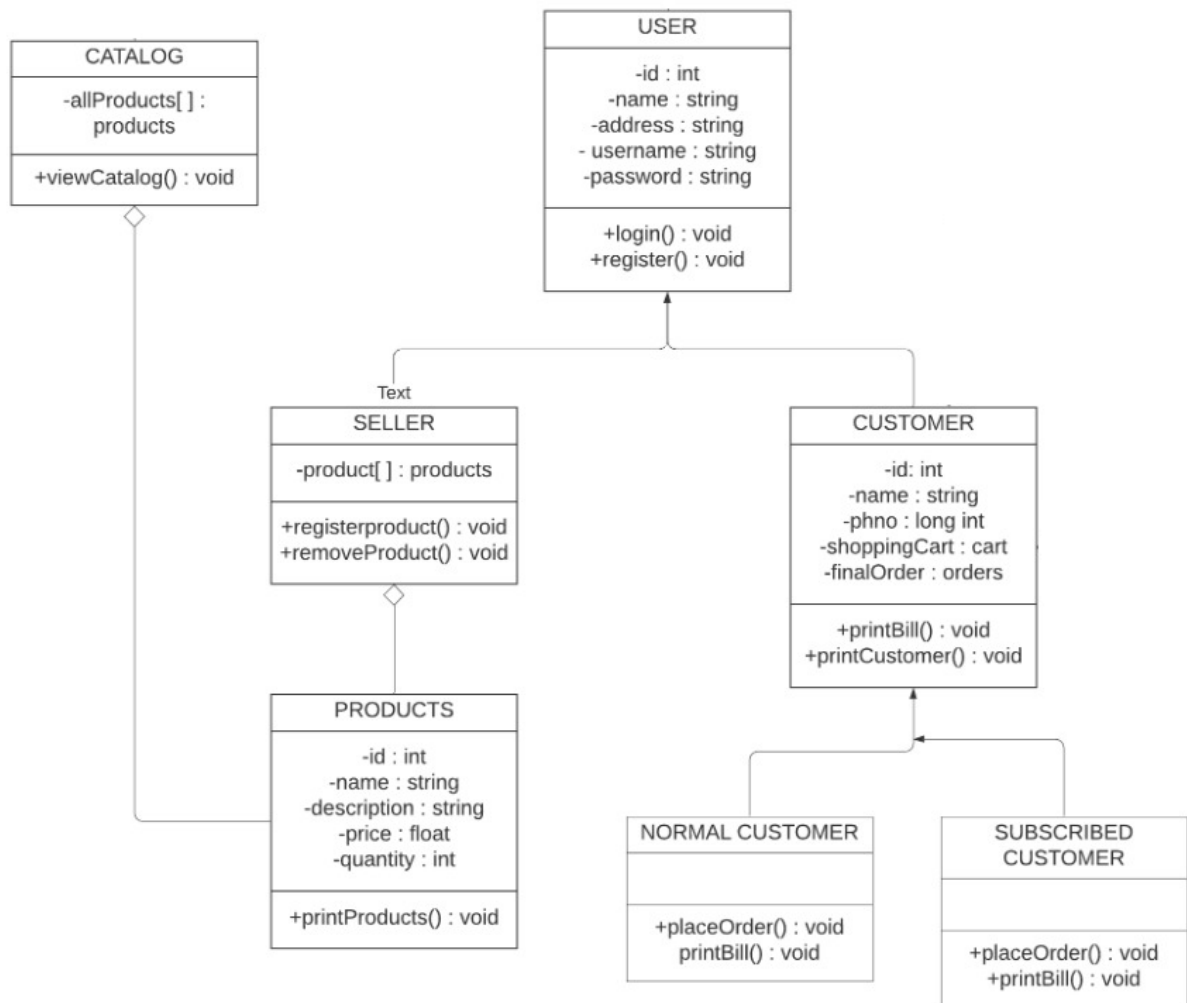
The application lets the sellers to register themselves and add their products to the shop.

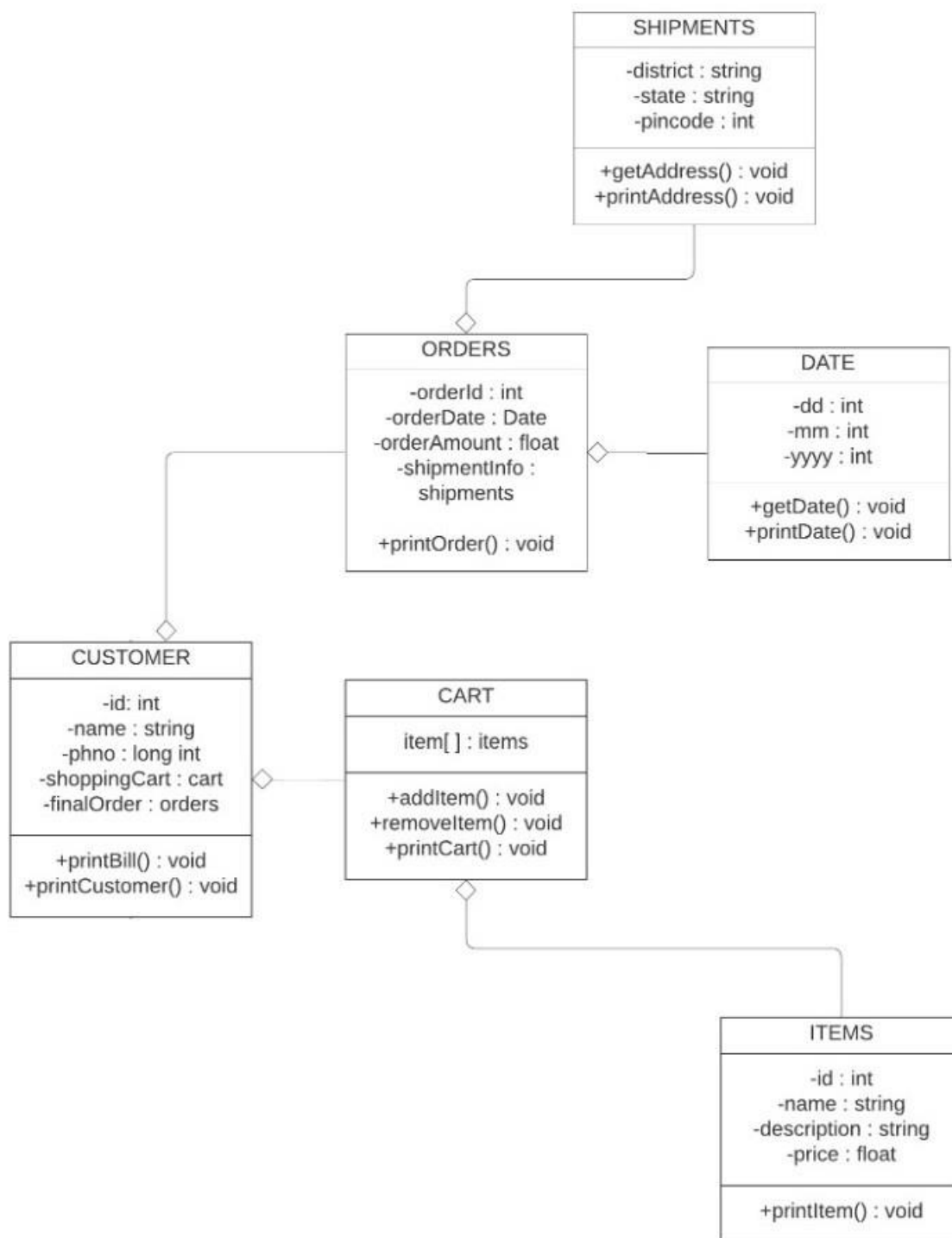
They can also manage the items they have added.

2. Design

i. Class Diagram







2.2 DESCRIPTION OF EACH CLASS:

1. Myflipcart

Myflipcart
+cust[]:*Customer +seller[]:*Sellers +ord[]:*Orders -ch,status=0:int
+display():void +custregister:void +sellerregister():void +customerentry():void +sellerentry():void +displayorders():void +displaycustomer():void +displaycatalog():void +displaysellers():void +shoplogin():void

- ❖ This is the class which provides the interface in the output of code.
- ❖ Classes like seller, customer, catalog aggregate from it.
- ❖ Main class of the program code.

2. Catalog

Catalog
+ i []: *items - itemcount=0:int
+ additemtocatalog(items): void + displaycatalog(): void

- ❖ It is a transient class as it has more than one object.
- ❖ It has “has a” relationship with Myflipcart.

3. Sellers

Sellers
+ i [10]: items -sellername: string -sellerid: int -addcount: int
+sellerassign(): void +display(): void +displayitems(): void

- ❖ This Class has a part of Myflipcart.
- ❖ Display function is overridden from Myflipcart class.

4. Customer

Customer
-customer_name: string -ordercount=0: int -phonenummer: int -customer_count: static int + o[10]: orders
+ customerassigndetail(): void + printcustomerdetails(): void + additemcart(items): void + removeitemfromcart(): void + addaddress(): void + displayorders(): void + displaycart(): void

- ❖ This is a Transient class as it has more than one class.
- ❖ It has “has a” relation with Myflipcart class.
- ❖ customer_count is made static to keep count of customers.
- ❖ It has 2 sub-classes: normalcustomers, subscribecustomers.

5. Products

Products
-id: int
-name: string
-description: string
-price: float
-quantity: int
+printProducts(): void

6. Normalcustomers

Normalcustomers
-normal: static int

- ❖ It is derived from customer class.
- ❖ "Normal" of type static int is used to keep count of normal(unsubscribed) customers.

7. Subscribedcustomers

Subscribedcustomers
-sub: static int
-discount_rate=10.0: float

- ❖ It is derived from customer class.
- ❖ "sub" of type static int is used to keep count of subscribed customers.

8. Cart

Cart
-countitems: int + i [10]: *items
+ additemtocart(items): void + cartdisplay(): void + removeitemsfromcart(string): void

- ❖ This class is used to store the selected items.
- ❖ Orders are placed

9. Items

<u>Items</u>
-itemtype: string -itemname: string -company: string -price: float -quantity: int -Item_description: string -totalitems: static int -itemid: struct
+virtual additem(): void +virtual display: void +virtual catalogdisplay(): void =0 +virtual sellerindisplay(): void

- ❖ This is an Abstract class Where we have pure virtual functions "additem()", "display", "catalogdisplay", "sellerindisplay".

- ❖ It creates type of item as per demands of the user.
- ❖ It has 3 sub-classes: Electrical, Fashion & Food.

10. Electrical

Electrical
-ecto: static int -warranty: int -item_specification: string
+additem(): void +display(): void +catalogdisplay(): void +sellerindisplay(): void

- ❖ The above class is used to create objects of item type using Factory design pattern.
- ❖ This class override the functions "additem()", "display", "catalogdisplay", "sellerindisplay" of item class.
- ❖ Item_specification in this class gives us the specify the type of electrical product.

11. Fashion

Fashion
-sizeavailable: string -fash: static int
+additem(): void +display(): void +catalogdisplay(): void +sellerindisplay(): void

- ❖ The above class is used to create objects of item type using Factory design pattern.
- ❖ This class override the functions "additem()", "display", "catalogdisplay", "sellerindisplay" of item class.

12. Food

Food
-fo: static int
+additem(): void
+display(): void
+catalogdisplay(): void
+sellerindisplay(): void

- ❖ The above class is used to create objects of item type using Factory design pattern.
- ❖ This class override the functions "additem()", "display", "catalogdisplay", "sellerindisplay" of item class.

13. Orders

Orders
-item_name: string
-item_id: int
-orderid=0: int
-totalorders: static int
-signal: int
+assignorders(shipments,item): void
+displayorder(): void
+cancelorders(): void

- ❖ This is a Transient class as it has more than one object.
- ❖ It is used to store the ordered product details.

14. Shipments

Shipments
-state: string
-district: string
-pincode: int
-address: string
+assignaddress: void
+displayaddress: void

- ❖ This is a Transient class has it more than one class.
- ❖ This class is used to track shipment details.

15. Date

Date
-dd: int
-mm: int
-yy: int
+assigndate(): void
+displaydate(): void

- ❖ This is a Transient class has it more than one class.
- ❖ This class is used to store date.

iii. Main Function

In the main function we create a Single object of myflipcart. Then using that object we call “open” function of the class “myflipcart”.

There is a switch menu(interface) for different options like registering customers, sellers and also for logging process.

As per the input of the seller we will create an Electrical, Fashion and Food using factory design pattern. After that they are used to store the specific items according to their categories. Customer selects the items that he wants to buy and adds them to the cart.

After that he/she place the order. Customer can check the order details to check whether the item is shipped or not. Any exceptions are handled through the Errorexception class.

iv. Use of Standard Design Patterns

➤ Factory design pattern:

- Definition:- The Factory design pattern is a creational design pattern that provides an interface for creating objects in a superclass, but allows subclasses to alter the type of objects that will be created.
- Usage: Factory method is suitable in creating item list because item objects are to be created as per the seller demand, so to create the objects of the required item type during the run time interface it becomes effortless.

3. Unit Test Plan

Given below is the home screen for various processes. The user can choose what process is to be done. Initially sellers have to register to the company and add their products to the catalogue.

```
Welcome

Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit
```

1. Seller Registration:

The sellers have to register to the company to sell their products.

```
Welcome

Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

5

Welcome to Seller Registration

Enter the your name: Ravi
Enter Phone Number: 12345
The seller is created successfully with ID: 1
```

The above picture shows how a seller registers.

2. Add items to catalog:

The next step is to add products of the seller to the company's list of products.

Test Case 1: Entering the wrong seller ID to login.

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

3

Enter your Seller ID to login:
4
Your details are not found in our System.
Please re-enter your number or Press 0 to go back
```

If a wrong or unregistered seller id is used for login, the above message is shown where you can re- enter your seller id or press 0 to go back.

Test Case 2: Entering the right seller ID to login.

```

Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

3

Enter your Seller ID to login:
1

Welcome

-----
Seller Id           Seller Name           Phone Number
-----
1                   Ravi                  12345
-----

Press:
1. Add item to catalog
2. Display Items
3. Log out.

1

Select the category of the product
1. Electronics
2. Fashion
3. Food
4. Go back

1

Enter the Item Name: Battery
Enter the price of item: 30
Enter the Item description: 5V
Enter the Quantity of item: 100
Enter the Company of item: Duracell
Enter the warranty: 2
Enter the Item Specification: AA

Item added to Catalog Successfully.
Press
0 to add more items
1 to leave

```

The seller uses his seller ID to login. Once logged in he has 3 options, 1) to add items to catalog, 2) Display all the items the seller is selling, 3) Log out.

When he wants to add items, he clicks 1 and he gets an option to select what type of product he wants to add to the catalog and enters the product details.

After adding a product, he has the option to add more items or leave.

In the below case, when you press 0 you can add more products by selecting what type of product and then filling the required details.


```
Press
0 to add more items
1 to leave
0

Select the category of the product
1. Electronics
2. Fashion
3. Food
4. Go back

2

Enter the Item Name: Jeans
Enter the price of item: 400
Enter the Item description: Stretchable
Enter the Quantity of item: 10
Enter the Company of item: Denim
Enter the available size: L

Item added to Catalog Successfully.
Press
0 to add more items
1 to leave
1
Press:
1. Add item to catalog
2. Display Items
3. Log out.
```

3. Displaying all products of given seller.

After logging in by the seller, he can press 2 to see all the products he is selling in the company. Once he is done adding items or viewing all his products, he can press 3 to logout of the system.

```

Press:
1. Add item to catalog
2. Display Items
3. Log out.

2

-----The total items added by sellers are-----

1----->

Item Name:          Battery
Item ID:             EC1
Item Type:           electrical
Item Description:    5V
Price:               30
Quantity:            100
Quantity:            100
Warranty:            2
Item Specification:          AAA

2----->

Item Name:          Pant
Item ID:             FS2
Item Type:           fashion
Item Description:    Jeans
Price:               300
Quantity:            30
Size available:      Large

Press:
1. Add item to catalog
2. Display Items
3. Log out.

3
Seller logged out successfully

```

4. Customer Registration:

There are 2 options when a customer wants to register. If he has a coupon to become a subscribed customer, he can press 1 as shown below.

```

4
-----WELCOME TO CUSTOMER REGISTRATION-----

IF YOU HAVE COPOUN ID PRESS 1 ELSE PRESS 2 to go back press 3:enter the copoucode :karthik
copoun applied successfully
Enter Customer Name: chidambar
Enter Customer Phone number: 984560
The Customer is created successfully
The Customer id is given by: SB1

Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

4
-----WELCOME TO CUSTOMER REGISTRATION-----

IF YOU HAVE COPOUN ID PRESS 1 ELSE PRESS 2 to go back press 3:enter the copoucode :chidambar
copoun applied successfully
Enter Customer Name: sujay_gouda
Enter Customer Phone number: 789456
The Customer is created successfully
The Customer id is given by: SB2

Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

4

```

When a customer has a coupon code he can enter 1 and enter the code to create the subscribed customer.

If a customer doesn't have a coupon code and wants to register as a normal customer, he can press 2 as shown below and he can enter his details and complete his registration.

If you clicked on customer registration by mistake, you can press 3 and exit back to the home screen.

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

4
-----WELCOME TO CUSTOMER REGISTRATION-----

IF YOU HAVE COPOUN ID PRESS 1 ELSE PRESS 2 to go back press 3:
Enter Customer Name: Rowin
Enter Customer Phone number: 80734
The Customer is created successfully
The Customer id is given by: NM1
```

5. Customer Login:

Test Case 1: Entering the wrong or unregistered phone number to login.

When an unregistered phone number tries to login, the following message is displayed. You can press 0 to go back to the home screen or click enter and re-enter registered number.

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

2
Enter Customer Login
Enter your Phone Number: 1111
Your details are not found in our System.
Please re-enter your number or Press 0 to go back
Press Enter to Continue
```

Test case 2: Entering the right registered phone number to login.

When the correct phone number is entered, the customer is logged in system and has 6 options which he can carry out.

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

2
Enter Customer Login
Enter your Phone Number: 80734
Welcome
```

CUSTOMER ID	CUSTOMER NAME	Phone Number	COUPOUN
NM1	Rowin	80734	INVALID

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
```

Adding the shipment address:

When the customer presses 1, he can enter his shipment address.

The process is shown below on entering the shipment address of a customer.

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
1
Enter State: Karnataka
Enter District: Dharwad
Enter Pincode: 581083
Enter Address: 21,Vidyanagar,Hubli

The sellers details are created successfully
State    -> Karnataka
District -> Dharwad
Pincode  -> 581083
Address  -> 21,Vidyanagar,Hubli
```

Adding items to cart:

The customer can add items to his cart after login by pressing 2.

He can enter the type of item he wants to add to his cart. He can enter 'electrical', 'fashion' or 'food' to display all items available and enter the serial no to add to the cart.

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
2

-----Enter the type of Item do you want to display-----
electrical
-----
Serial No      Item ID      Company      Item Name      Price
-----
1              EC1          Duracell      Battery         30
-----
Enter Item Serial no to add1

Item Name:      Battery
Item ID:         EC1
Item Type:       electrical
Item Description: 5V
Price:           30
Quantity:        100
Warranty:        2
Item Specification: AAA
Confirm to add in cart. Press y for YES and n for NO:
Items in the cart are :1
Item added to Cart Successfully.
Press 0 to add more items
1 to leave

```

After selecting the serial no of the item, you can press 'y' to confirm and 'n' to unselect.

Once the item is added to cart, you can see the number of items in the cart and choose to add more or leave by pressing 0 or 1 respectively.

Removing an item from the cart:

The customer can remove an item from the cart by pressing 4.

To remove an item from the cart, enter the name of the item to be removed and the details of the item will be displayed and removed from

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
4
Enter the Item Name to remove item from cart: Battery
Item Name:          Battery
Item ID:             EC1
Item Type:           electrical
Item Description:    5V
Price:               30
Quantity:            100
Warranty:            2
Item Specification:  AAA
```

the cart.

Displaying the items in the cart:

The customer can press 6 to display all the items in the cart.

When you press 6, all the items in the cart and its details are displayed.

Order items from the cart:

The customer can order the products which he has selected in the cart by pressing 3 and he can enter the quantity of item he wants to order and it will be assigned to the shipment address.

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
6

1----->
Item Name:      Battery
Item ID:        EC1
Item Type:      electrical
Item Description: 5V
Price:          30
Quantity:       100
Warranty:       2
Item Specification: AAA
-----
```

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
3

1----->
Item Name:      Battery
Item ID:        EC1
Item Type:      electrical
Item Description: 5V
Price:          30
Quantity:       100
Warranty:       2
Item Specification: AAA
-----
Enter the item no to be ordered: 1
Enter QUANTITY :5
Battery
State    -> Karnataka
District -> Dharwad
Pincode  -> 581083
Address  -> 21,Vidyanagar,Hubli
```

Displaying the orders:

The customer can see his orders by pressing 5.

It will display the Order Id, shipment address and the details of the items ordered and show the price of the item depending on the quantity of items and then the total price is displayed which is the total price of all the items ordered.

It also shows the status of the order.

Initially it will display as “The order is pending for shipment”, and once the order is shipped

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
5
NM1
The following are the Orders with Order Id: 1
Item name: Battery
Item id: EC1
State    -> Karnataka
District -> Dharwad
Pincode  -> 581083
Address  -> 21,Vidyanagar,Hubli
The order is pending for shipment
```

ORDER ID	ITEM ID	ITEM NAME	PRICE
1	EC1	Battery	150
TOTAL PRICE			:150

6. Company Login:

The company has access to all details of the sellers who are selling their product in their company.

Customer Display:

It displays all the customers registered in the company.

```

1
-----Myflipcart-----
Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

1
The CUSTOMER in the shop are
-----
Serial No    CUSTOMER_Id    CUSTOMER_NAME    Phone Number    COUPOUN
-----
1            SB1            chidambar            984560            karthik
-----
2            SB2            sujay_gouda            789456            chidambar
-----
3            NM3            karthik            9845602            INVALID
-----
4            NM4            mithun            70198            INVALID
-----

Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

```

List of sellers:

When you press 2, all the details of the sellers in the company will be displayed.

```
-----MyFlipcart-----
Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

2

The Sellers in the shop are
-----
Serial No      Seller Id      Seller Name      Phone Number
-----
1              1             Ravi             12345
2              2             Karthik          98459
3              3             Kamat            70223
```

Display all the order:

This will display all the orders placed by all the customers and the details of the order including item details and shipment address.

```
The following are the Orders with Order Id: 1
Item name: Battery
Item id: EC1
State -> Karnataka
District -> Dharwad
Pincode -> 581083
Address -> 21,Vidyanagar,Hubli
The order is pending for shipment

NM1
The following are the Orders with Order Id: 2
Item name: Pant
Item id: FS2
State -> Karnataka
District -> Dharwad
Pincode -> 581083
Address -> 21,Vidyanagar,Hubli
The order is pending for shipment

-----
ORDER ID      ITEM ID      ITEM NAME      PRICE
-----
1             EC1          Battery        150
-----
2             FS2          Pant           600
-----

TOTAL PRICE      :750
```

Display Catalog:

It displays all the items in the catalog. Only the company can see all the items available in the store.

```
Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

4
The items in the catalog are:

-----Enter the type of Item do you want to display-----
electrical

-----
Serial No      Item ID      Company      Item Name      Price
-----
1              EC1          DX            Battery         30
-----
2              EC2          Xiaomi         Redmi5          20000
-----
```

Ship orders:

```

5
Choose Product to Ship on given address
The following are the Orders with Order Id: 1
Item name: Battery
Item id: EC1
State -> Karnataka
District -> Dharwad
Pincode -> 581083
Address -> 21,Vidyanagar,Hubli
The order is pending for shipment
The following are the Orders with Order Id: 2
Item name: Pant
Item id: FS3
State -> Karnataka
District -> Dharwad
Pincode -> 581083
Address -> 21,Vidyanagar,Hubli
The order is pending for shipment

-----
ORDER ID      ITEM ID      ITEM NAME      PRICE
-----
1              EC1          Battery         150
-----
2              FS3          Pant             600
-----
                TOTAL PRICE      :750
Order Id to Ship to given address
1
The following are the Orders with Order Id: 1
Item name: Battery
Item id: EC1
State -> Karnataka
District -> Dharwad
Pincode -> 581083
Address -> 21,Vidyanagar,Hubli
The order is pending for shipment
Enter:
1. Ship to address
2. Cancel the order
3. Exit
1
The order will be handled to shipment process

```

This process is used when an order is shipped or cancelled.

In this page the company can select the order to be shipped and ship the order or cancel the order if the customer asks to cancel the order.

4. Implementation

4.1 Result

1.Interface

```
Welcome

Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit
```

2. Registration of Seller

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

5
Enter the your name: Sam
Enter Phone Number: 980
The seller is created successfully with ID: 1
```

3. Registration of Customer

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

4
Enter Customer Name: Ram
Enter Customer Phone number: 990
The Customer is created successfully
The Customer id is given by: 0
Press:
```

4. Seller login

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit
```

3

Enter your Seller ID to login:

1

Welcome

Seller Id	Seller Name	Phone Number
1	Sam	980

```
Press:
1. Add item to catalog
2. Display Items
3. Log out.
```

5. Adding item to catalog:

```
Select the category of the product
1. Electronics
2. Fashion
3. Food
4. Go back

2

Enter the Item Name: Saree
Enter the price of item: 2000
Enter the Item description: rth
Enter the Quantity of item: 1
Enter the Company of item: drth
Enter the available size: 34

Item added to Cart Successfully.
Press
0 to add more items
1 to leave
1
Press:
1. Add item to catalog
2. Display Items
3. Log out.
```

6. Displaying the items added by seller:

```
Press:
1. Add item to catalog
2. Display Items
3. Log out.

2

-----The total items added by sellers are-----

1----->
      Item Name:  bulb
      Item ID:    EC1
      Item Type:  electrical
Item Description: electric
      Price:      70
      Quantity:   1
      Warranty:   12
Item Specification: enter

2----->
      Item Name:  Saree
      Item ID:    FS2
      Item Type:  fashion
Item Description: rth
      Price:      2000
      Quantity:   1
      Size available : 34
Press:
1. Add item to catalog
2. Display Items
3. Log out.
```

7. Customer login

```
Press:
1. Shop Login
2. Customer Login
3. Seller Login
4. Registration of Customer
5. Registration of Seller
6. Exit

2
Enter Customer Login
Enter your Phone Number: 990
Welcome
Customer Name: Ram
Customer Phone Number: 990
Customer Id is: 0

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
```

8. Adding Shipping Address

```
Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out

1
Enter State: kar
Enter Districtdv
Enter Pincode577
Enter Address2jnind
The sellers details are created successfully
```

9. Adding item to cart

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
2
-----Enter the type of Item do you want to display-----
electrical
-----
Serial No      Item ID      Company      Item Name      Price
-----
1              EC1          Cello        bulb            70
-----
Enter Item Serial no to add1

      Item Name: bulb
      Item ID:   EC1
      Item Type: electrical
Item Description: electric
      Price:    70
      Quantity: 1
      Quantity: 1
      Warranty: 12
Item Specification: enter
Confirm to add in cart. Press y for YES and n for NO:
Items in the cart are :1
Item added to Cart Successfully.
Press 0 to add more items
1 to leave

```

10. Displaying the cart

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
6
-----
Serial No      Item ID      Company      Item Name      Price      Item Des
cription      Quantity
-----
1----->      Item Name: bulb
      Item ID:   EC1
      Item Type: electrical
Item Description: electric
      Price:    70
      Quantity: 1
      Quantity: 1
      Warranty: 12
Item Specification: enter
-----
-

```

11. Removing item from cart

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
4
Enter the Item Name to remove item from cart: bulb
    Item Name:  bulb
    Item ID:    EC1
    Item Type:  electrical
    Item Description: electric
    Price:     70
    Quantity:  1
    Quantity:  1
    Warranty:   12
Item Specification: enter
    
```

12. Ordering product

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
3
-----
Serial No      Item ID      Company      Item Name      Price      Item Des
cription      Quantity
-----
1----->      Item Name:  Saree
    Item ID:   FS2
    Item Type: fashion
    Item Description: rth
    Price:    2000
    Quantity: 1
    Size available : 34
-----
-
Enter the item to be ordered: 1
SareeState -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
    
```

13. Displaying the order

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
5
0
The following are the Orders with Order Id: 1
Item name: Saree
Item id: 1990021440
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
The order is pending for shipment

```

14. Displaying details of customers, sellers, orders and catalog

```

Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit
1
Customers in the shop are:
Customer Name: Ram
Customer Phone Number: 990
Customer Id is: 0

Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit
2
                                The Sellers in the shop are
-----
Serial No      Seller Id      Seller Name      Phone Number
-----
1              1              Sam              980
-----

```

```

Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

3
The following are the Orders with Order Id: 1
Item name: Saree
Item id: 1990021440
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
The order is shipped to below address
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

4
The items in the catalog are:
-----Enter the type of Item do you want to display-----
electrical
-----
Serial No      Item ID      Company      Item Name      Price
-----
1              EC1          Cello        bulb            70
-----

```


15. Updating the shipment details(by admin)

```

-----Myflipcart-----
--
Press:
1. Display Customers
2. Display Sellers
3. Display Orders
4. Display Catalog
5. Ship Orders
6. Exit

5

Choose Product to Ship on given address
The following are the Orders with Order Id: 1
Item name: Saree
Item id: 1990021440
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
The order is pending for shipment
Order Id to Ship to given address
1
The following are the Orders with Order Id: 1
Item name: Saree
Item id: 1990021440
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
The order is pending for shipment
Enter:
1. Ship to address
2. Cancel the order
3. Exit
1
The order will be handled to shipment process

Enter
1 to go back
0 to continue1

```

16. Updated Order details

```

Press:
1. Add Shipment Address
2. Add Item to Cart
3. Order a Product
4. Remove Item from Cart
5. Display Orders
6. Display Cart
7. Log Out
5
0
The following are the Orders with Order Id: 1
Item name: Saree
Item id: 1990021440
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind
The order is shipped to below address
State -> kar
District -> dvg
Pincode -> 577
Address -> 2jnind

```