

1. **Name:** Shravan Shetty

2. **Title:** Shopping Cart

3. **Project Summary:** An implementation of general shopping cart consisting of 3 different types of users namely Customer, Seller and Admin. Each of the users have their own responsibilities. On a high-level once the system is ready any customer can login and buy the items which have listed by the seller. Admin acts as a super user who can add/delete sellers.

4. **Project Requirements:**

Req. Id	Description	Responsibilities
USR-1	As a customer, I should be able to signup/register.	Customer should be asked about username password.
USR-2	As a customer, I should be able to login.	Customer should be validated with username and password.
USR-3	As a customer, I should be able to view items.	Customer should be logged In.
USR-4	As a customer, I should be able add items to cart.	Customer should be logged In.
USR-5	As a customer, I should be able to delete items in the cart.	Customer should select the items added to delete.
USR-6	As a customer, I should be able to checkout and pay.	Customer should have created an order and give the order id.
USR-7	As a customer, I should be able to view previous orders.	Customer should be logged in and give the order id.
USR-8	As a customer, I should be able to search for an item by name.	Customer should enter the name of the item.
USR-9	As a seller, I should be able to signup/register.	Seller should be asked about username and password
USR-10	As a seller, I should be able to login.	Seller should be validated with username and password.
USR-11	As a seller, I should be able to create new category.	Seller should be loggedin and add a category.
USR-12	As a seller, I should be able to add new items.	Seller should provide all the details of a item including category.
USR-13	As a seller, I should be able to view items added by me.	Seller should be logged in and have created items previously.
USR-14	As a seller, I should be able to search for items added by me, based on name	Seller should provide the name of the item.
USR-15	As an admin, I should be able to login	Admin should be validated with username and password.

USR-16	As an admin, I should be able to add more admins.	Admin should provide username and password for another admin
USR-17	As an admin, I should be able to authenticate sellers.	Seller should have registered for the admin to approve.
USR-18	As an admin, I should be able to remove sellers.	Admin should provide seller id.
USR-20	As an admin/Customer, I should be able to update status.	User should be logged in and should have order details.

5. UI Mockups: Terminal

⇒ Welcome to Shopping Cart.

1. Login

2. Register

please select your option :

1 ⇒ username :
password :

2 ⇒ Name : username :
email : password :
Address :

⇒ logged In as Admin.

1. Add another admin

2. Authenticate Sellers.

3. Remove Sellers.

4. Update Order Status.

1 → please enter the username & password for new admin.

username: xxx

Name: — —

password: xxx

email: — —

Admin added Successfully

3 → Please Select the Sellers to remove

1. Shraavan, Bangalore

2. Kaval, Baroda.

3. Neethi, Udupi

Input →

1, 3

Shraavan and Neethi were removed

⇒ logged In as a Customer

1. Add items to Cart

2. View Orders.

2 → Your previous Orders.

order 1

Bag - blue

Bike - Red.

Bags.

Vehicles.

Status: Delivered

₹ ₹ ₹ \$

CraddItems).

1 → Please list the item numbers to added to Cart. (Press Add 0 in the end).

Items:

1. Blue-bag.

cat: Bags.

price: xx

2. Cycle.

cat: Vehicle

price: xx

3. Ball

cat: Sports

price: xx

4. Laptop

cat: Electronics

price: xx

5. Mobile-Samsung

cat: Electronics

price: xx

Input: 2, 5, 0. [Cycle, Mobile-Samsung will be added order]

your order:

Cycle

Mobile-Samsung.

Price: xxx

⇒ Would you like to checkout? press 1 to go ahead and 0 to go back and add more items.

Input: 1.

your order has been placed.

⇒ logged In as a Seller.

- 1. Add a Category
- 1. Add an item.

1 → Please enter the category name:
Bags
Bags has been added.

2 → Please provide the details
name: Bag
Category: xx
price: xx

Bag has been added to items

6. Class Diagram:

Please note that I have used MVC where all the classes except controllers and interfaces are models. View will be separated and will be in the terminal. Controllers use interfaces and their implementation as a service to perform different operations.

Assumptions:

1. Interfaces have “Interface” appended in the end of the name .(Due to the lack of convention in starUML)
2. I have added only few getters and setters to save space.

