

## **E-Commerce Application**

### **Business Requirement**

Ajay is interested to buy some online shopping products so could you please help him.

### **Functionalities**

1. Store 10 products into database
2. Products contain id, description, name, price and quantity.
3. System will responsible to calculate bill and display amount to end user.
4. System will responsible to display bill
5. User will display product list into sorting order
6. User can buy multiple products at the same time
7. User will select product then will add it to cart.
8. There are three types of roles- User, Guest and Admin
9. Admin should able to check the quantity of each product using product id.
10. Admin should able to see registered user list.
11. Admin should able to see particular user history by entering the username
12. Guest will display the product list but not buy the product.
13. Registered user only purchases the item on screen.

### **Guidelines**

- Design the oops concepts
- Design separate methods
- Follow the java coding standards.
- Input should be taken from user
- Exception handling, Validation should be there for incorrect input
- Use collection where it is required
- Define primary and foreign key relationship into database.

### **Technologies**

Core Java, JDBC, Database

### **User Story Details**

Welcome to E-Commerce based application

User Operation

1. User Registration
2. User Login
3. User view Product item as Sorted Order
4. Buy Product
5. View Cart
6. Purchase the item Admin Operation
7. Add product item
8. Calculate Bill
9. Display amount to End User
10. Check Quantity
11. Check registered user
12. Check the particular user history

Guest Operation

13. View product item
14. Not purchase item

Enter your choice- 1

Enter the first name>>>

Enter the last name>>>

Enter the username>>>

Enter the password>>>

Enter the city>>>

Enter the mail id>>>

Enter the mobile number>>>

Enter your choice- 2

Enter the username>>>

Enter the password>>>

Enter your choice- 3

Product Id>> 101  
Product Name>> Apple MacBook 2020  
Product Description>> 8 GB RAM, 256 SSD  
Available Quantity>>5  
Price>> 85000  
Product Id>> 102  
Product Name>> One Plus Mobile  
Product Description>> 16 GB RAM, 128 GB Storage  
Available Quantity>>3  
Price>> 37500

Enter your choice-4  
Enter the product id to buy product>>101  
Enter the quantity>>1  
Do you want to view cart (Yes/No)

Enter your choice-5  
Product item has been added to cart

Enter your choice- 6  
Username>>  
ramp Total Bill Amount>> 35000

Enter your choice- 7  
Product Id>>  
Product Name>>  
Product Description>>  
Quantity>>  
Price>>

Enter your choice-8  
Admin will calculate the bill  
Enter your choice>>9  
Display the amount to End User>> 45000

Enter your choice>>10  
Enter Product Id>> 101  
Quantity is>> 2

Enter your choice>>11  
Username>>  
First name>>  
Last name>>  
Email id>>  
Mobile>>  
City>>

Enter your choice>>12  
Enter the user id>>  
Product id>>  
Product Description>>  
Quantity>>

Enter your choice>>13  
Product id>>  
Product Description>>  
Amount>>  
Quantity>>