

1) Customer {

ShoppingCart cart;  
Search searchobj;  
int customerId;

ShoppingCart getShoppingCart (customerId);  
void addItemToCart (Item item);  
void update " " "  
void remove " " "

}

2) Guest extends Customer {

Account createAccount ();

}

3) User extends Customer {

Account account;

}

4) Seller extends User {

void addProduct (Product product);

}

5) Buyer extends User {

Order orderobj;

void AddReview (Product Review)

OrderStatus placeOrder (ShoppingCart cart);

```

6) Account {
    name ;
    email ;
    phone No ;
    UserName ;
    password ;
    List < Address > shipping Address ;
    Account Status account status ;
}

```

```

7) Address {
}

```

```

8) Enum AccountStatus { Active, Blocked }

```

```

9) ShoppingCart {

```

```

    List < Item > Item ;
    double cartvalue ;
    void addItem ( Item item ) ;
    void updateitem ( " " ) ;
    " deleteitem ( " " ) ;
    List < Item > getAllitem ( ) ;
    double getCartvalue ( ) ;
}

```

Visualize  
Cart

```

10) Item {

```

```

    Product product ;
    int quantity ;
}

```



1) Product {  
 int Product Id ;  
 string product discription;  
 string name ;  
 Product category ;  
 double Cost ;  
 List < Product Review > productReview ;  
 }.

2) enum ProductCategory {  
 Electronic , Grocery , Furniture  
 }

3) Class ProductReview {  
 string details ;  
 Bytes review ;  
 int rating ;  
 }.

4) Search {  
 List < Product > searchByName (string name) ;  
 List < Product > searchByCategory (ProductCategory) ;  
 }.



15)

```
class Order {
```

```
    int orderId;
```

```
    List<Item> orderItem;
```

```
    double orderValue;
```

```
    Buyer buyer;
```

```
    Date orderDate;
```

```
    List<OrderLog> orderLog;
```

```
    OrderStatus placeOrder();
```

```
    OrderStatus trackOrder();
```

```
    void addOrderLog();
```

```
    PaymentStatus makePayment (PaymentType);
```

```
}
```

17)

```
enum OrderStatus { Packed, out for delivery, delivered
```

18)

```
enum PaymentStatus { unpaid, pending, paid,
    Refund }.
```

19)

```
enum PaymentType { creditCard, debitCard, COD, upi }
```

20)

```
class OrderLog {
```

```
    String orderDetail;
```

```
    Date createdDate;
```

```
    OrderStatus orderStatus;
```

```
}
```