LAB-5
Online Shopping System.

Problem statement

With more and more people using internet, they prefer to shop for their required items online at the comfort of sitting at home and getting it delivered there. All the jobs of maintaining inventory, billing and delivery needs to be handled by a central system. It is less convenient for people to visit different outlets for different products.

SRS

- The customer must have an account in the online website where they purchase products.

- Unregistered user cant buy products.

- Customers login to the system by entering valid user id and password.

- After login, customer can make changes to the cart or order items.

- Different variety of products are listed for men, women and kids.

- Customers can view all available products, make comparisons between them and make a choice for their purchase.

- Customers should be able to return defective products and rate them.

- Many types of secure billing will be available like debit or credit card, internet banking or COD. Third party payment sites like Pay Pal will also be integrated.

- After payment, customer will logout and product will be delivered to his address.

Online Shopping system.

WebUser

loginId : string
pasnd : string
state : UserState

getID()
getPasswd()
getState()

Customer

name : string
phone : int
email : string
age : int
address : string

edit()
login()
logout()

Account

address : string
open : date
close : date

search()
edit()

Shopping cart

created : date

addItem()
deleteItem()

LineItem

quantity : int
price : int

Product

name : string
supplier : string

getDetail()
read Review()

Order

number : int
state : string
total : int

checkStatus()
cancelOrder()

Payment

total : int
details : string
date : date

makePayment()
cancelPayment()

COD

charge : int

NetBanking

card-no : int/string
tel-no : string

Relationships:
- has   0~1   1
- 0..1   1
- how
- consists   1..*
- places   1   *
- completes
- 1