# Experiment No:3

**Aim:-** To develop Use Case model for a problem.



Online Shopping

Authentication Identity Provider

Register Customer

View Items

Actor

<<include>>

Actor

Make Purchase

Actor

Actor

Actor New Customer

CheckOut

Actor

Client Register

Actor

PayPal

# Experiment No:-4

**Aim**:To develop Sequence diagram for a specific problem.

Customer

Application Interface

Item Id

Purchase Interface

Checkout

Normal Order



Browse Item

Query Item

Select Item

Purchase

Get selected Item

Authorizepurchase

Authorization

<<message>>

Display Selected Item

Display Price Information

## Experiment No:5

Cart

**Aim**:To develop Class diagram for a problem

*Admin*

Products

Guest

-Id:Integer -id:Integer

-Name:char

1

View

0 +ViewProducts()

1

Manage

#Name:Char

1

+GetProducts()

+ViewProducts()

#Group:Char

+AddProducts() #SubGroup:Char

+DeleteProducts()

+ModifyProducts()

+1

+makeShipMents()

+ConfirmDelivery()

Buy

0

Payment

*Customer*

#CustomerId:Char -Id:Char

+Name:Char #Name:char

Makes

-CartType:Char

1 1

+CardNo:Char

#Address:char #PhNO:Integer

+ViewProducts()

+BuyProducts()

+MakePament()

+AddToCart()

+DeleteCart()

|  |  |  |
| --- | --- | --- |
| Has |  | -Id:Integer  #NumberOfProducts:Integer |
| 1 | 1 | #Product1:Char  #Price:float |
|  |  | #Total:float |

## Experiment No:6

**Aim:** Draw the collaboration diagram.



1. login()



Shopping Cart

1. Add Item()

Browse Item

4. Continue Browsing()

1. Get Item()

11.confirmed()

Cart Item

Actor

1. Display the Ordered Item()
   1. Product details()
   2. shipping Charges()

Order Summary

Online Customer

* 1. Taxes()

Process Order

12 Checkout()

* 1. Payment Details()

Logout

13 Processed()

# Experiment No:8

Aim:-Draw the component diagram



Customer

Persistance

Online Shopping

Order

Security

]

# Experinment No:9

**Aim:** Draw the deployment diagram.

Client

Payment Portal

Web server

Client

Database server

Client

Online Shopping database

Product database

Payment Getway

Online Shopping Cart

# Experiment No:10

**Aim:-** Draw the activity diagram



Login

Verification

Check validity

Display Notification

Valid

Select payment mode

Paypal

Credit Card

Validate payment detail

Update User Information

Display Error

Fail

Success