GROCERY MANAGEMENT SYSTEM

MINI PROJECT – 2nd review on, 3rd Sep - 2016

BY:

B.PUJITHA (13M61A0504)

UNDER THE GUIDENCE OF

Mr.Srihari .G

M.Tech

Assistant professor, Dept. of CSE.

SWARNA BHARATHI INSTITUTE OF SCIENCES AND TEHNOLOGY(SBIT)

KHAMMAM,507002

CONTENT

1.INTRODUCTION

2.ABSTRACT

3.LITERATURE REVIEW

4.EXISTING&PROPOSED SYSTEM

5.SOFTWARE EXPLORES

- 5.1 SOFTWARE REQUIREMENTS
- 5.2 HARDWARE REQUIREMENTS

6.SYSTEM ARCHITURE

7.MODULES

- 7.1 Employee Module
- 7.2 Administrator Module
- 7.3 User Module
- 7.4 Payment option Module

8.DATAFLOW DIAGRAM

9.UML DIAGRAM

- 9.1 use case diagram
- 9.2 class diagram
- 9.3 activity diagram
- 9.4 sequence diagram
- 9.5 collaboration diagram

contd..

9.6 state chart diagram

9.7 component diagram

9.8 deployment diagram

10. TABLES

11. SCREENSHOTS

12. REPORT GENERATION

13. TEST CASES

14. CONCLUSION

15. REFERENCE

INTRODUCTION

- A grocery store is a retail store that primarily sells food. A grocer is a bulk seller of food.
- As pollution around the world has increased buying food on the road side is not advisable.
- Whether in charge of a small individually owned grocery store or one that is part of larger chain maintaining a grocery store successfully involves considerable responsibility.

ABSTRACT

- **"Health is wealth"**. As the saying goes from our ancient times. Eat healthy and stay healthy as of now a days its very difficult to have healthy food.
- Grocery store managers must ensure that the store runs smoothly that items are priced comparatively and that customers are satisfied.
- people are unable to find time to household works like buying grocery. So by this platform we provide grocery .
- This is an Internet based application that can be accessed throughout the web.
- This system can be used to search for all grocery and fresh vegetables which are available in the market

LITERATURE REVIEW

- Grocery store managers must ensure that the store runs smoothly that items are priced comparatively and that customers are satisfied.
- Previously it is developed by P.Riteesh which is super market management system.
- Drawbacks of super market management system is if we cancelled the ordered item the money is not returned i.e they didn't maintained cancelation option.
- In grocery management system we overcome the drawback and we create a option called wallet.

EXISTING SYSTEM:

- A grocery store is a retail store that primarily sells food. A grocer is a bulk seller of food.
- Grocery stores often offer non-perishable food that is packaged in cans, bottles and boxes, with some also having fresh produce, butchers, delis, and bakeries.
- As pollution around the world has increased buying food on the road side is not advisable. Whether in charge of a small individually owned grocery store or one that is part of larger chain maintaining a grocery store successfully involves considerable responsibility.
- Grocery store managers must ensure that the store runs smoothly that items are priced comparatively and that customers are satisfied.

PROPOSED SYSTEM:

- Understanding of key concepts involved in effective grocery store management is imperative for any manager dedicated to the success of his store.
- Particularly if the manages the small grocery store inventory requires more than simply keeping enough of every item in stock.
- This is a internet based application that is accessed through web This system can be used to search for all grocery and fresh vegetables which are available in the market.

SYSTEM REQUIREMENTS:

HARDWARE REQUIREMENTS:

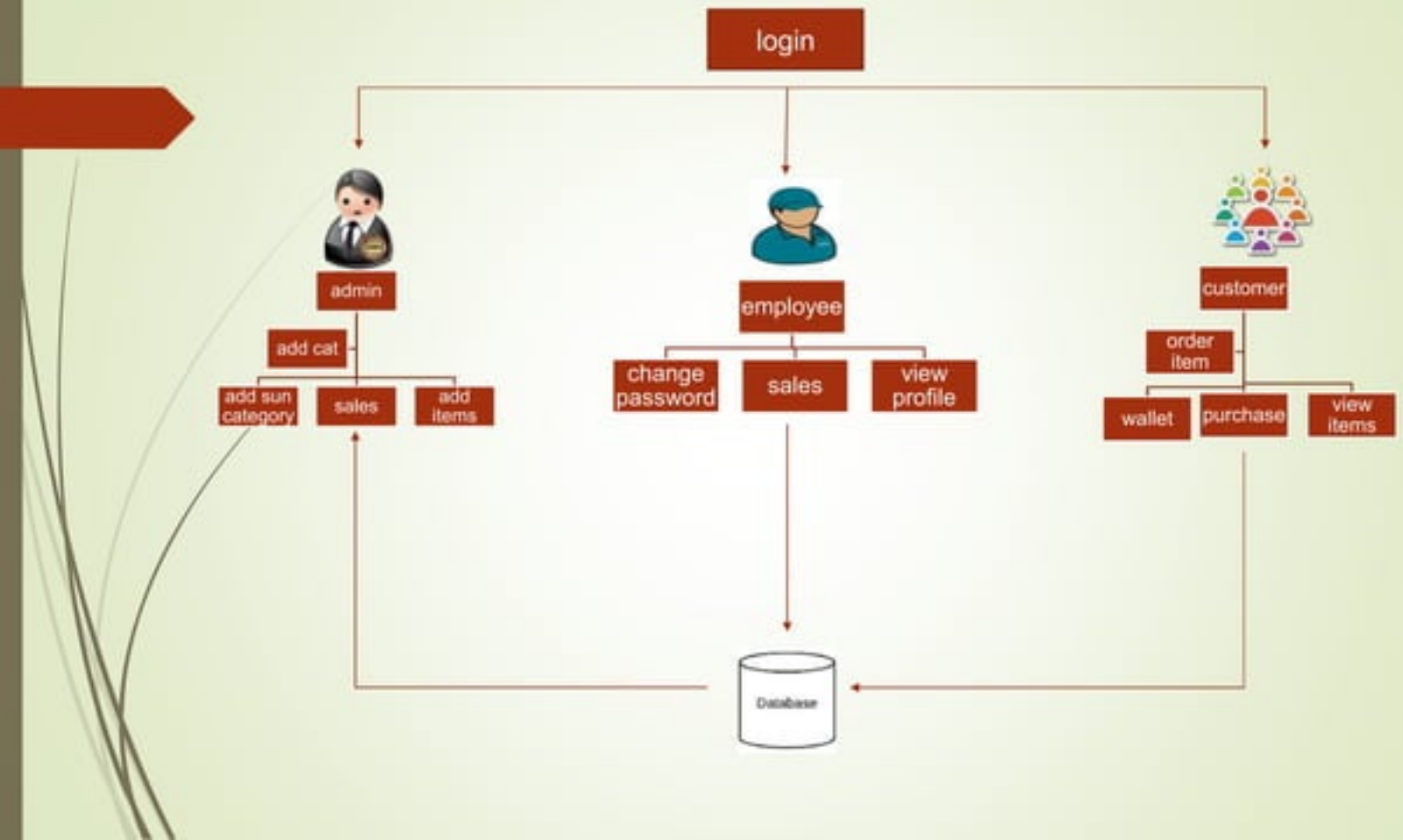
- System : Pentium IV 2.4 GHz.
- Hard Disk : 40 GB.
- Ram : 512 MB.

contd..

SOFTWARE REQUIREMENTS:

- Operating system : - Windows XP.
- Coding Language : J2EE
- Data Base : MYSQL

SYSTEM ARCHITECTURE


login
admin
add cat
add sun category
sales
add items
employee
change password
sales
view profile
customer
order item
wallet
purchase
view items
Database

MODULES

- Employee Module
- Administrator Module
- User Module
- Payment option Module

Contd..

MODULES DESCRIPTION

- **Employee Module:**
  - In this employee module the employee mainly receives the customers requirement and have to process on customers request.
  - He basically works on the available products and daily checks the stock availability on time and informs the administrative in charge about the products availability.
  - He delivers the stock ordered by the customer with proper packing and in time delivery.

Administrator Module:

- In this administration of whole company is to be maintained.
- The complaints and suggestions dropped by customers must be checked and required steps are to be implemented.
- Supervision of employee and the requirement of business must be checked and required steps to be taken.

USER MODULE

- The user must have the personal account and using his login details customer first check the products availability and orders the required products.
- If the server is busy then customer has to retry once again and continue his request.
- He can check on various products availability and choose the products required.

PAYMENT OPTION MODULE

- We have to ways of payment options
- Pay now
- Cash on delivery
- Customer can pay in two cases when he orders the stocks and after he receives the stock. We provide credits and debit card facility i.e on line banking system. We provide various bank payments.

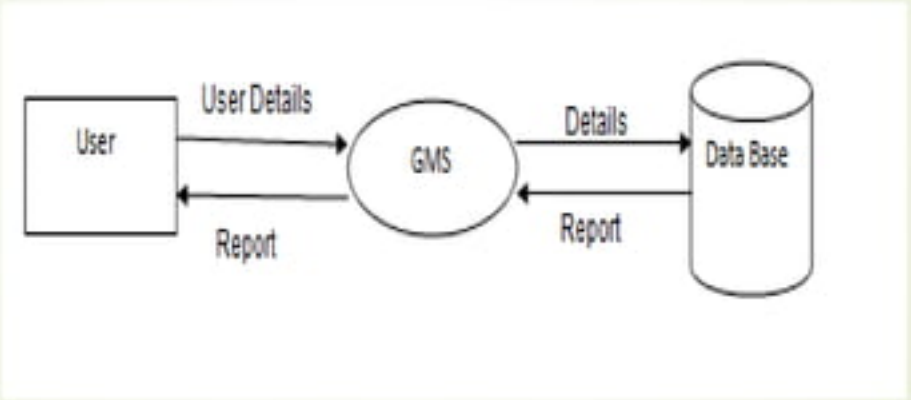
DATA FLOW DIAGRAM:

- It is a simple graphical formalism that can be used to represent a system in terms of input data to the system, various processing carried out on this data, and the output data is generated by this system
- The data flow diagram (DFD) is one of the most important modeling tools. It is used to model the system components.

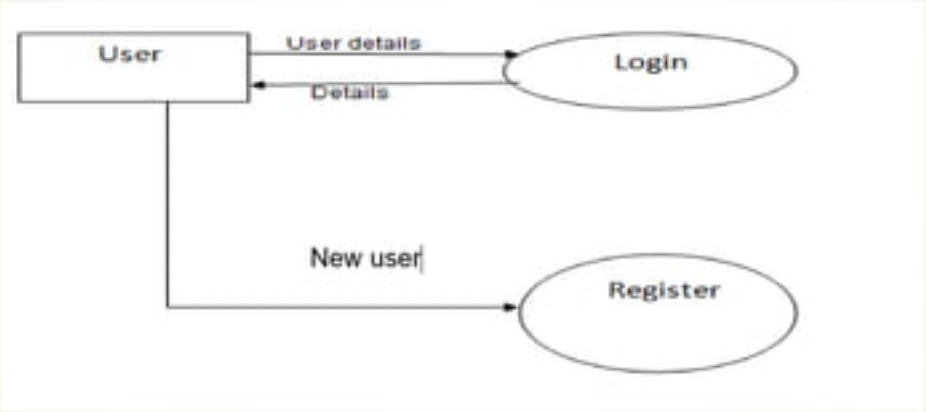
contd..

User

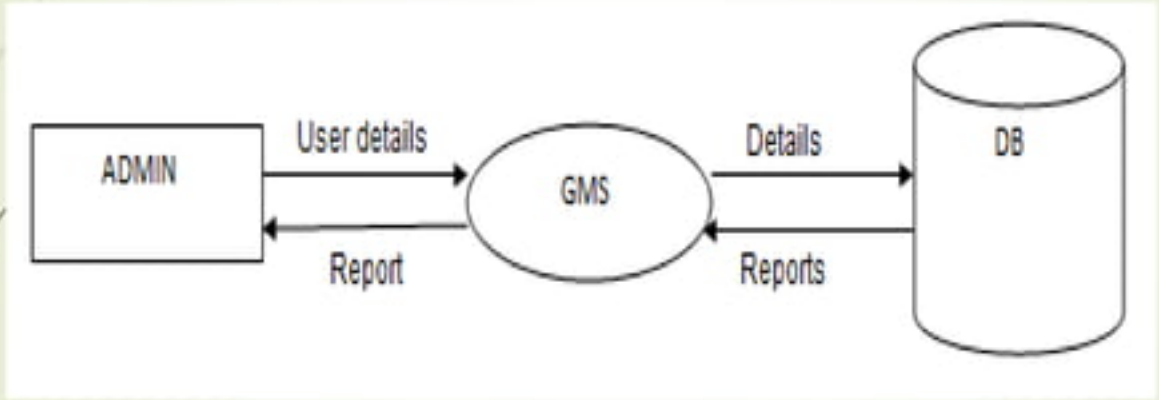
level 0



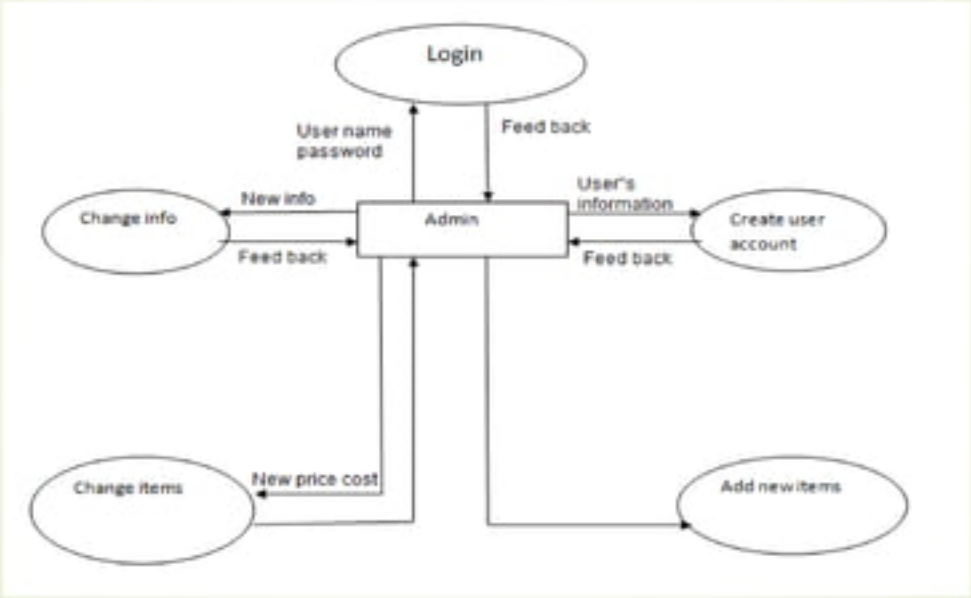
Level 1



admin

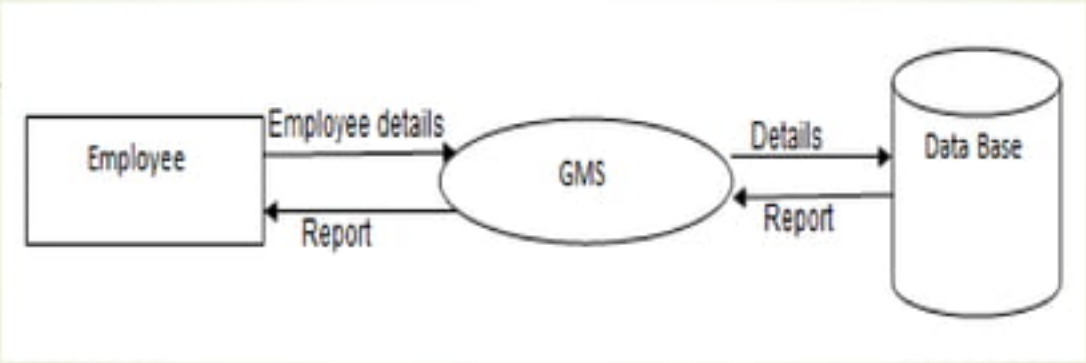


Level 1

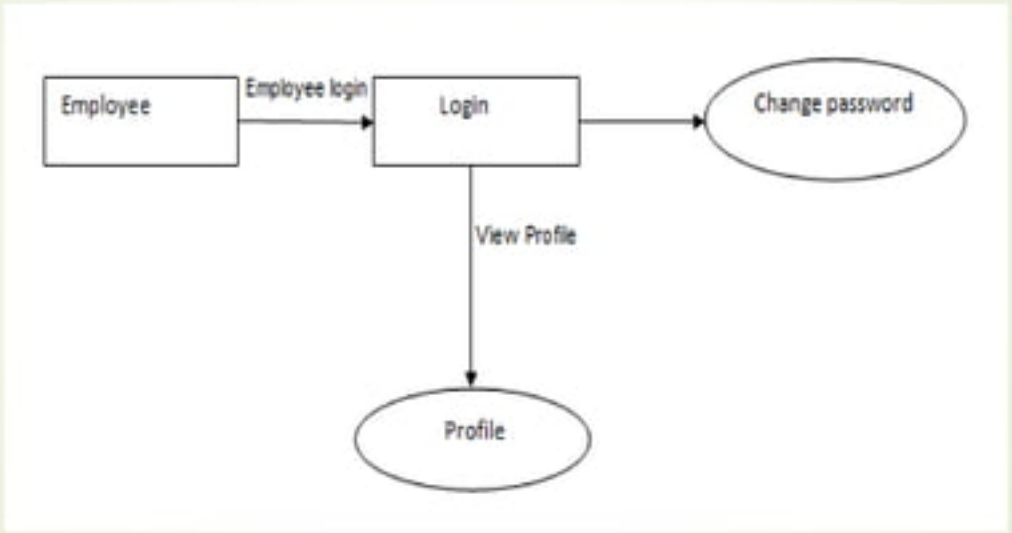

Login
User name
password
Feed back
New info
Change info
Admin
User's
information
Create user
account
Feed back
Feed back
Change items
New price cost
Add new items

Employee

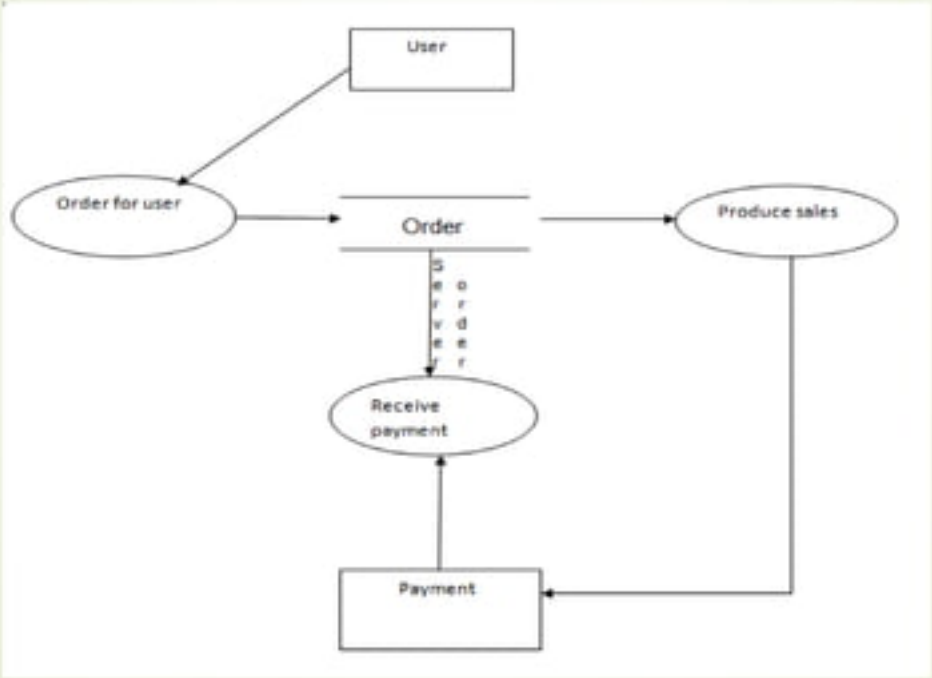
level 0

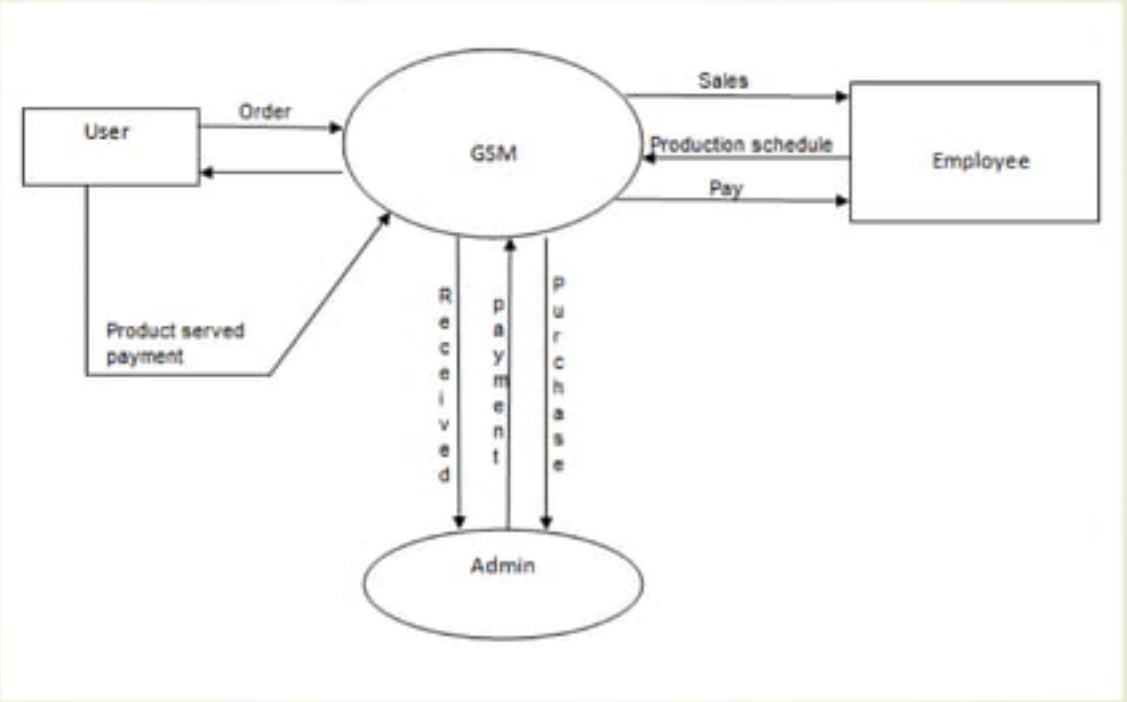


Level 1


Employee
Employee login
Login
Change password
View Profile
Profile

payment


User
Order for user
Order
Produce sales
Server order
Receive payment
Payment

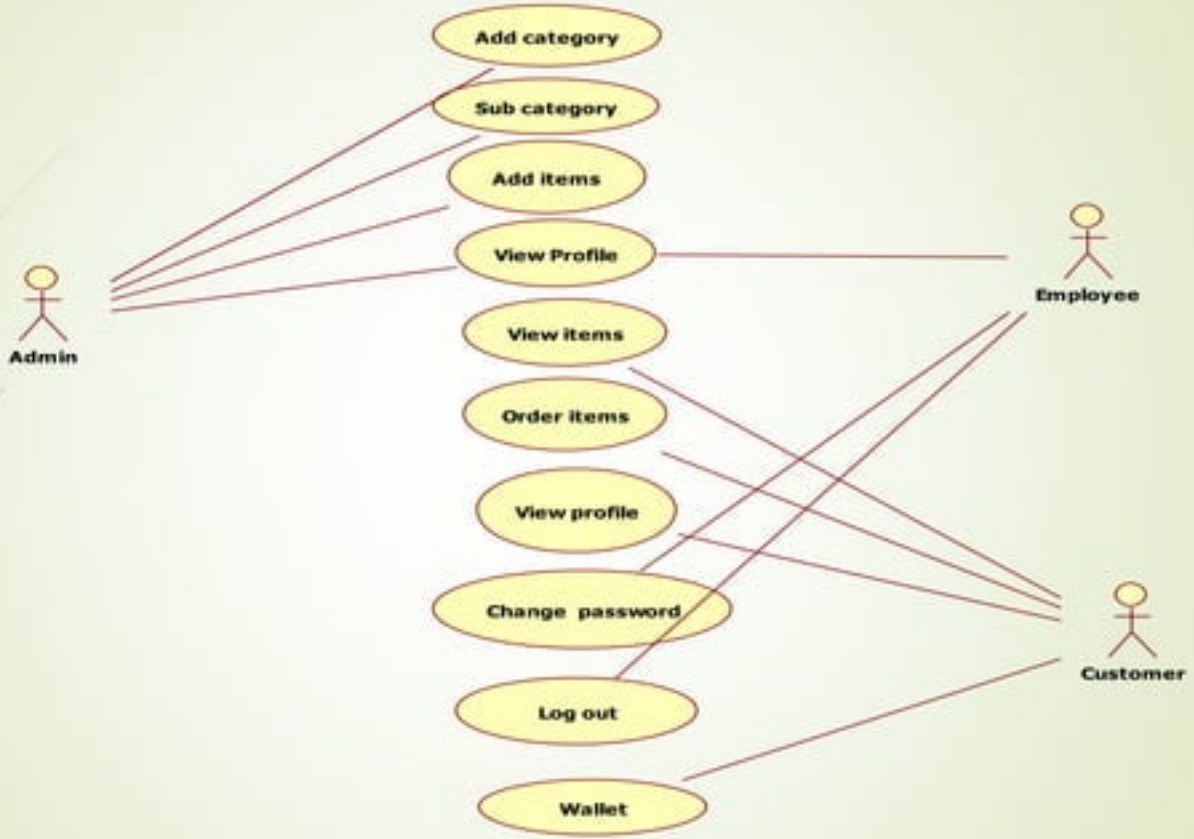

User
Order
GSM
Sales
Production schedule
Pay
Employee
Product served
payment
Received
payment
Purchase
Admin

USE CASE DIAGRAM:

- A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use-case analysis.

- Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases.
- The main purpose of a use case diagram is to show what system functions are performed for which actor. Roles of the actors in the system can be depicted.

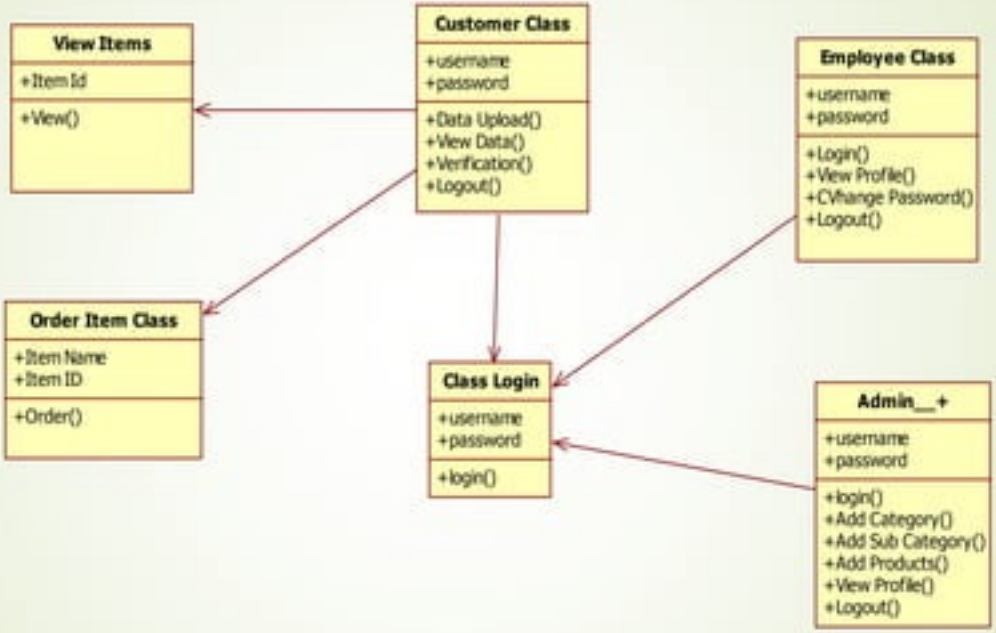
contd..


Add category
Sub category
Add items
View Profile
View items
Order items
View profile
Change password
Log out
Wallet
Admin
Employee
Customer

CLASS DIAGRAM:

- In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among the classes. It explains which class contains information.

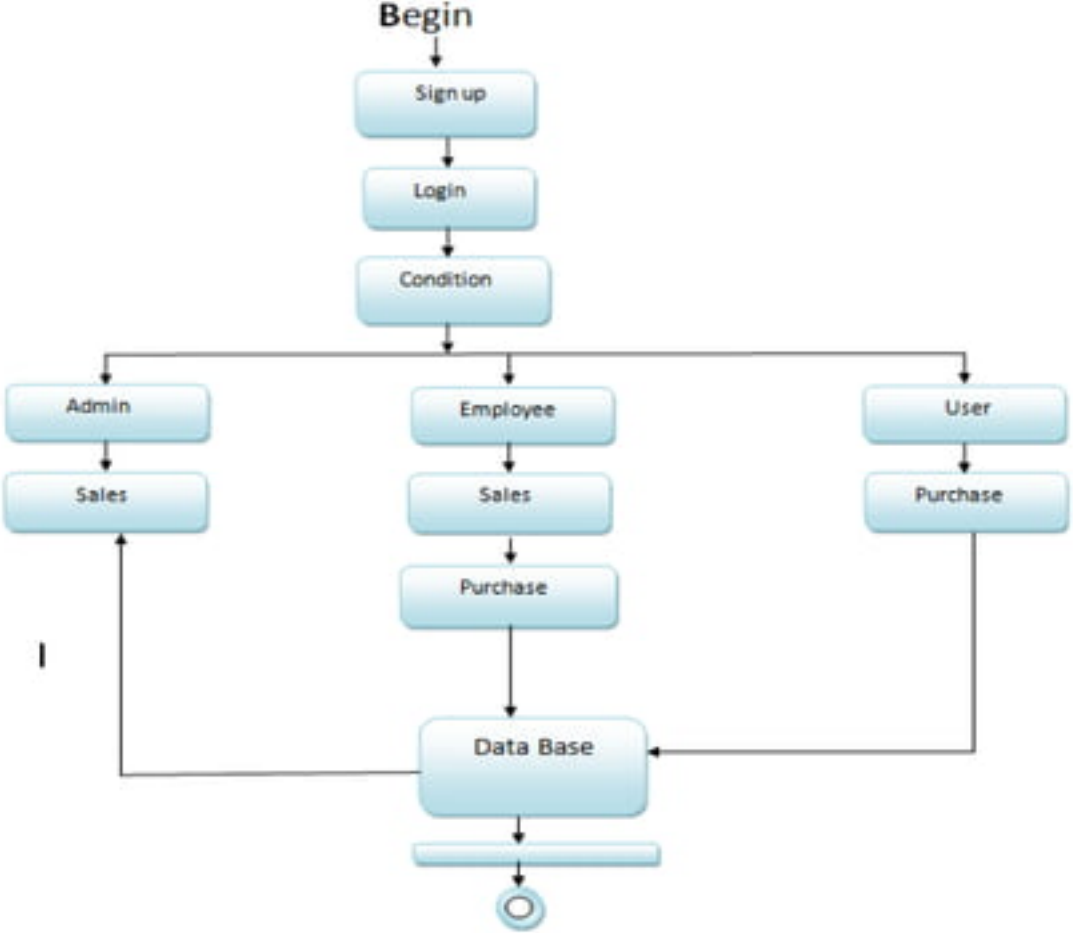
contd..


View Items
+Item Id
+View()
Customer Class
+username
+password
+Data Upload()
+View Data()
+Verification()
+Logout()
Employee Class
+username
+password
+Login()
+View Profile()
+CVhange Password()
+Logout()
Order Item Class
+Item Name
+Item ID
+Order()
Class Login
+username
+password
+login()
Admin__+
+username
+password
+login()
+Add Category()
+Add Sub Category()
+Add Products()
+View Profile()
+Logout()

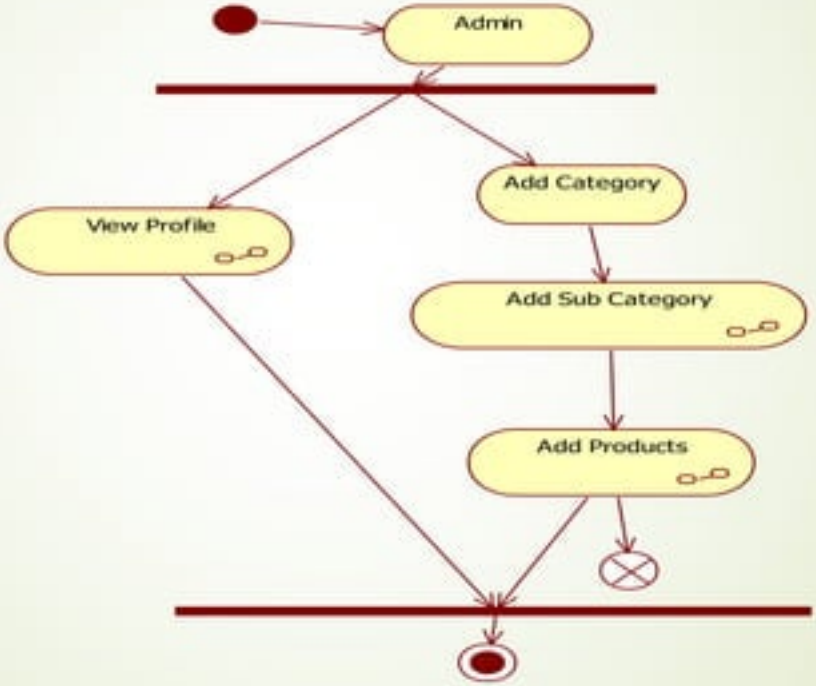
ACTIVITY DIAGRAM:

- Activity diagrams are graphical representations of workflows of stepwise activities and actions with support for choice, iteration and concurrency.
- In the Unified Modeling Language, activity diagrams can be used to describe the business and operational step-by-step workflows of components in a system.
- An activity diagram shows the overall flow of control.

contd..


Begin
Sign up
Login
Condition
Admin
Employee
User
Sales
Sales
Purchase
Purchase
Data Base

admin

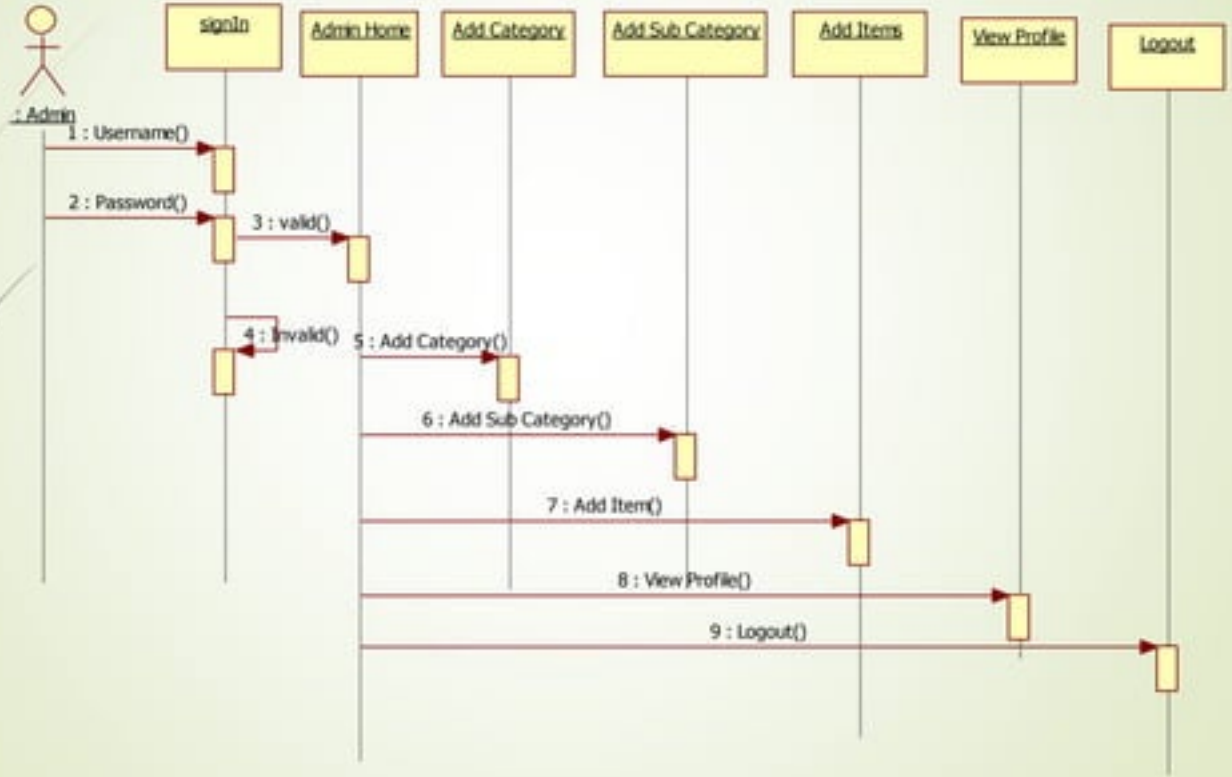

Admin
View Profile
Add Category
Add Sub Category
Add Products

SEQUENCE DIAGRAM:

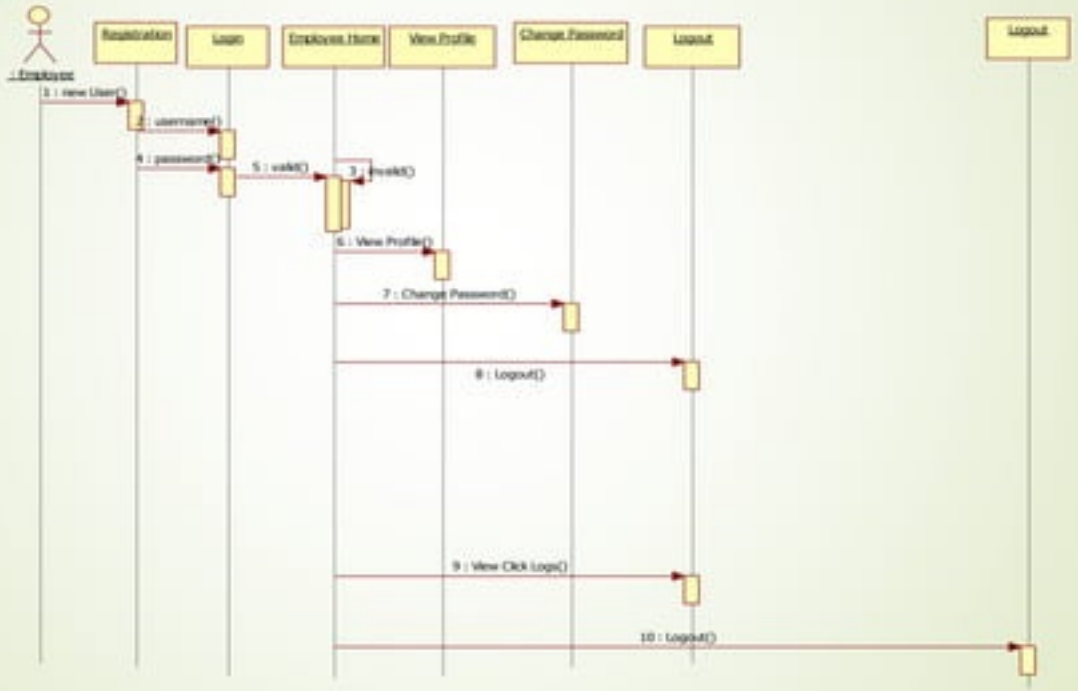
- A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order.
- It is a construct of a Message Sequence Chart. Sequence diagrams are sometimes called event diagrams, event scenarios, and timing diagrams.

contd..

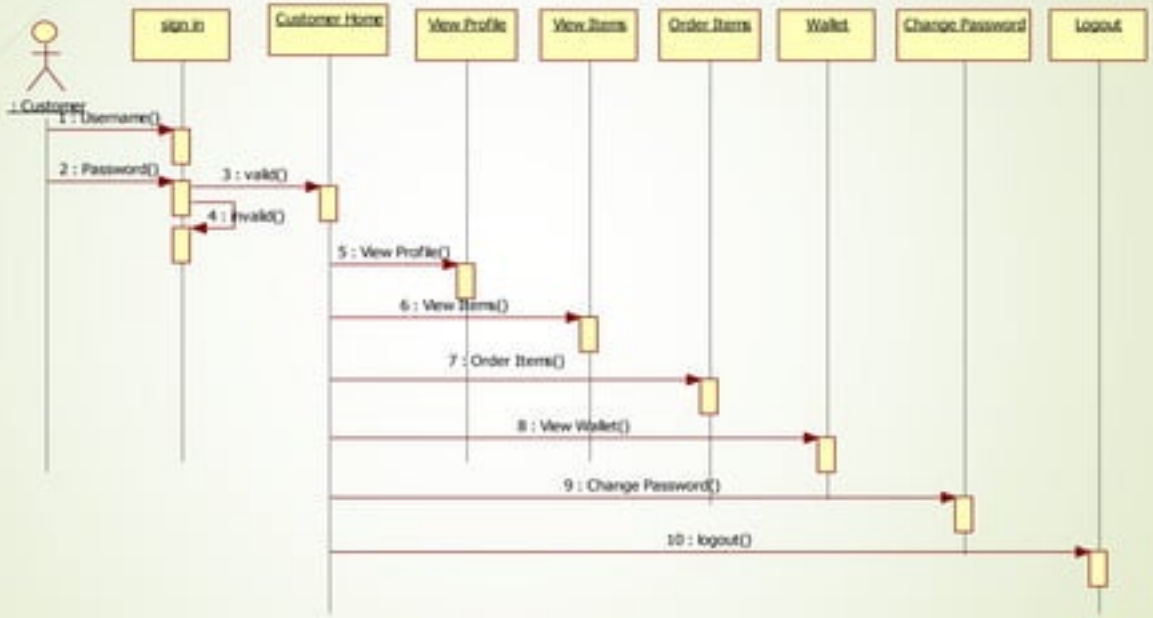
SEQUENCE DIAGRAM-1
ADMIN



SEQUENCE DIAGRAM-2
EMPLOYEE



SEQUENCE DIAGRAM-3
CUSTOMER

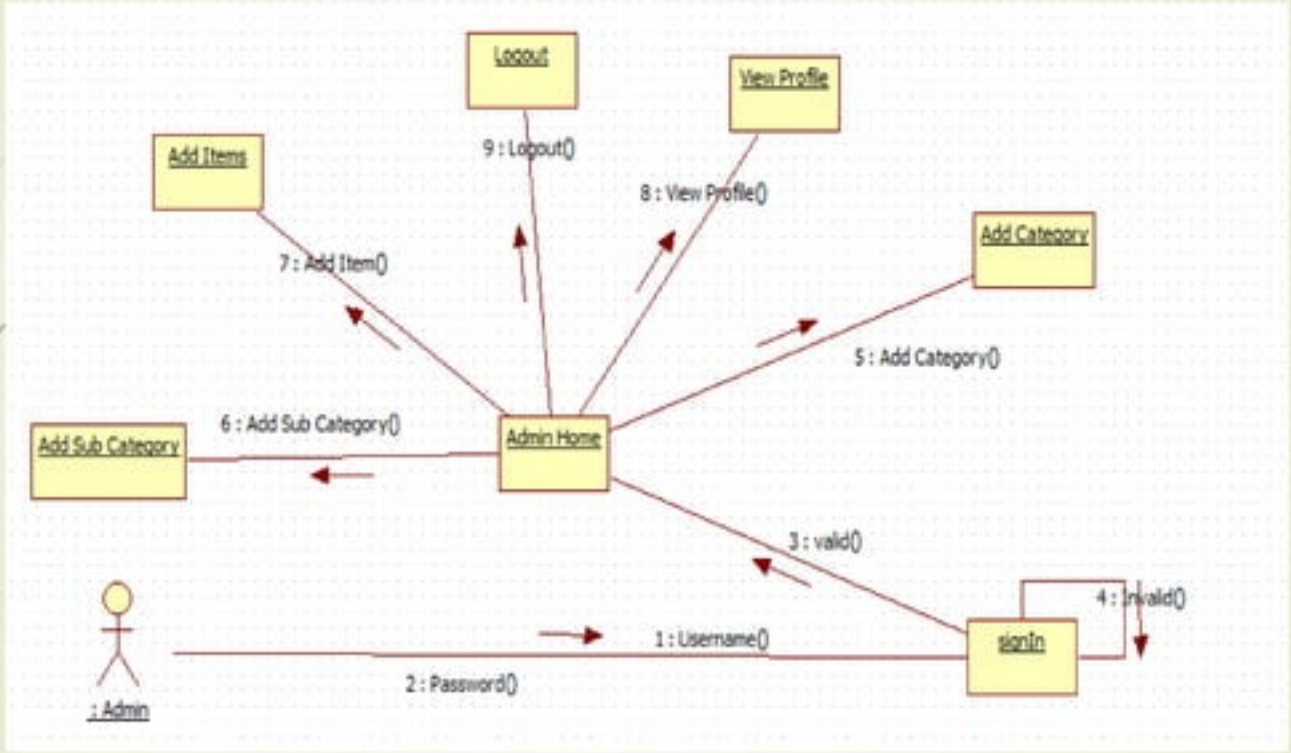


COLLABORATION DIAGRAM

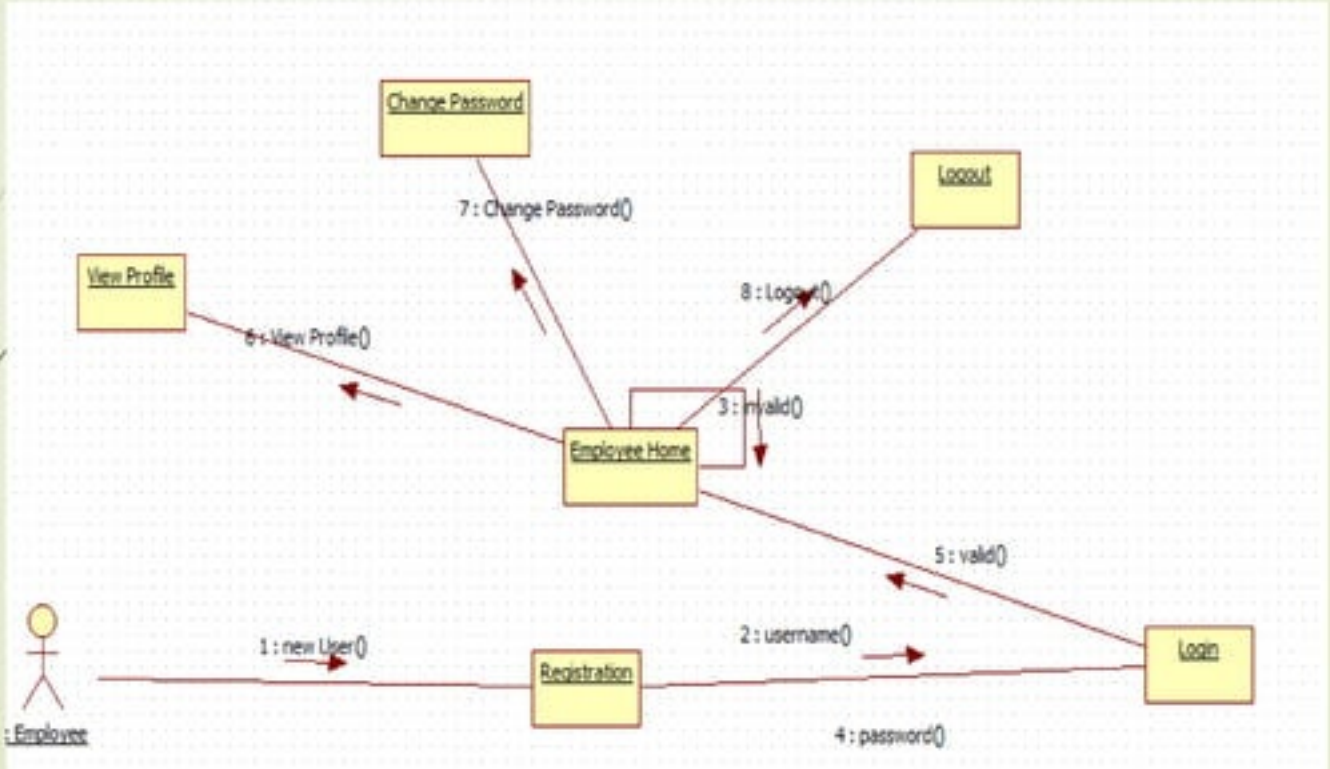
- It is a type of interaction diagram that demonstrates transmission of message between various objects participating in the interactions.
- These diagrams show the objects, links between them and message transmission between them.

contd..

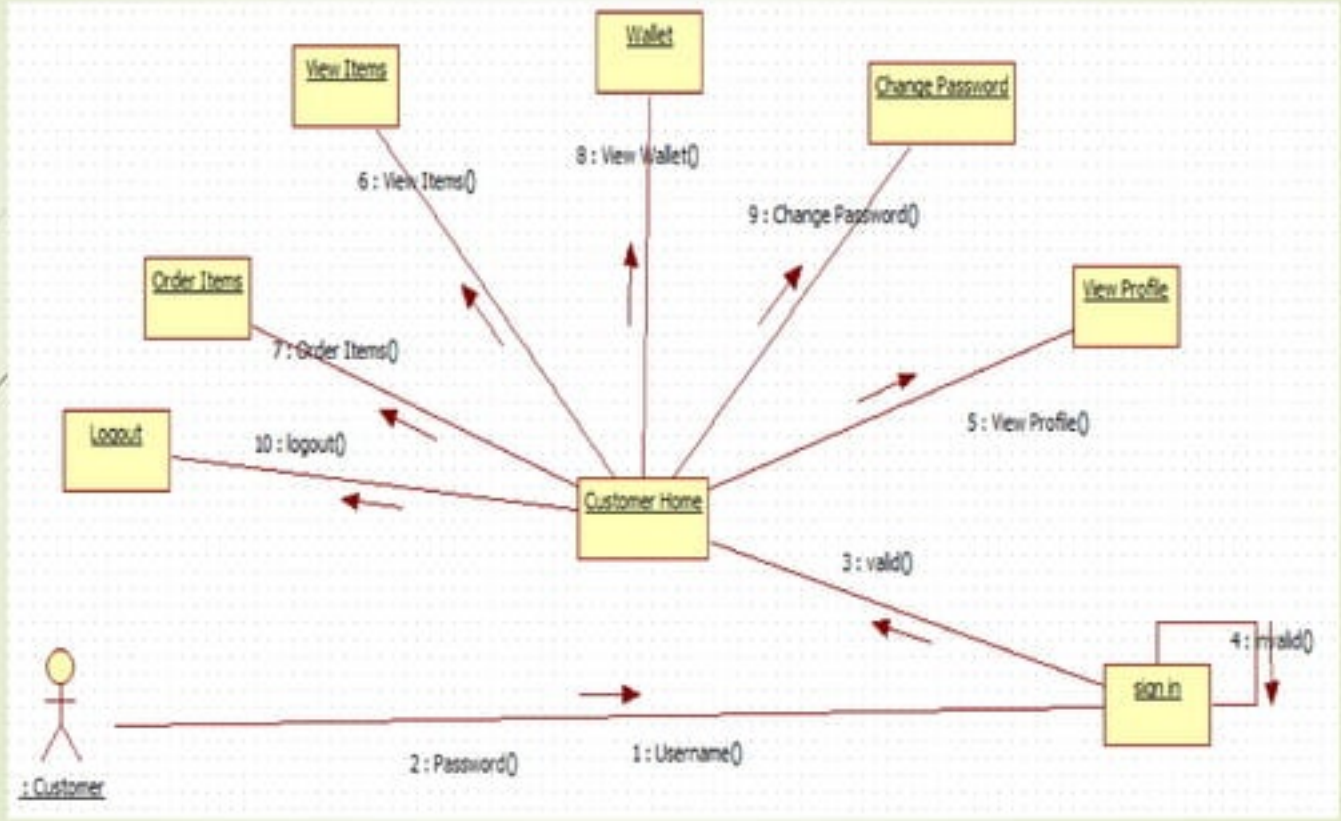
COLLABORATION DIAGRAM-1
ADMIN



COLLABORATION DIAGRAM-2
EMPLOYEE

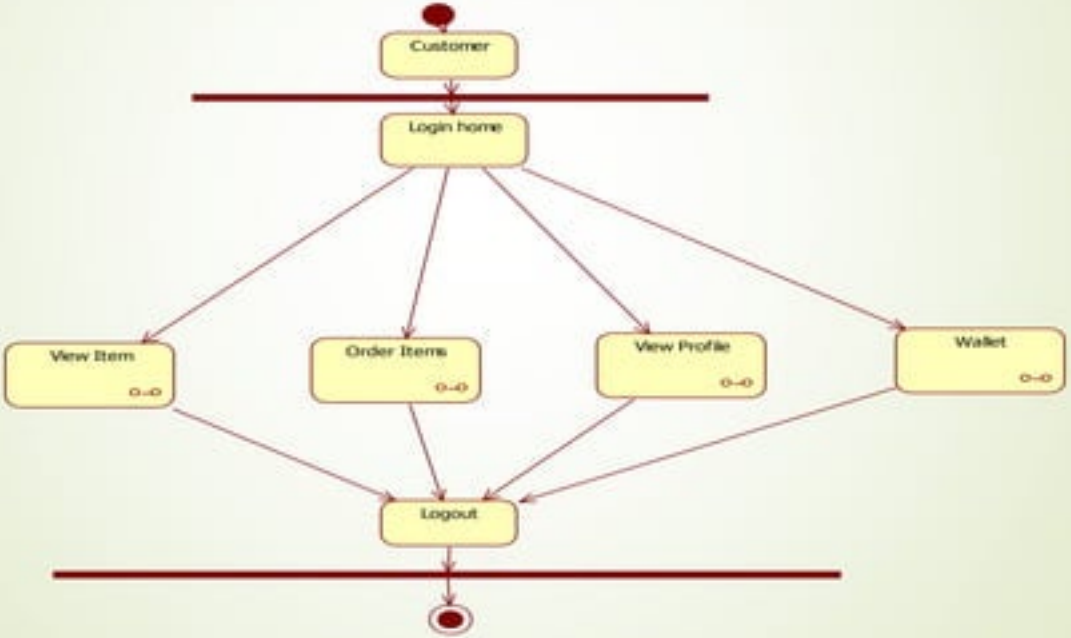


COLLABORATION DIAGRAM-3
CUSTOMER

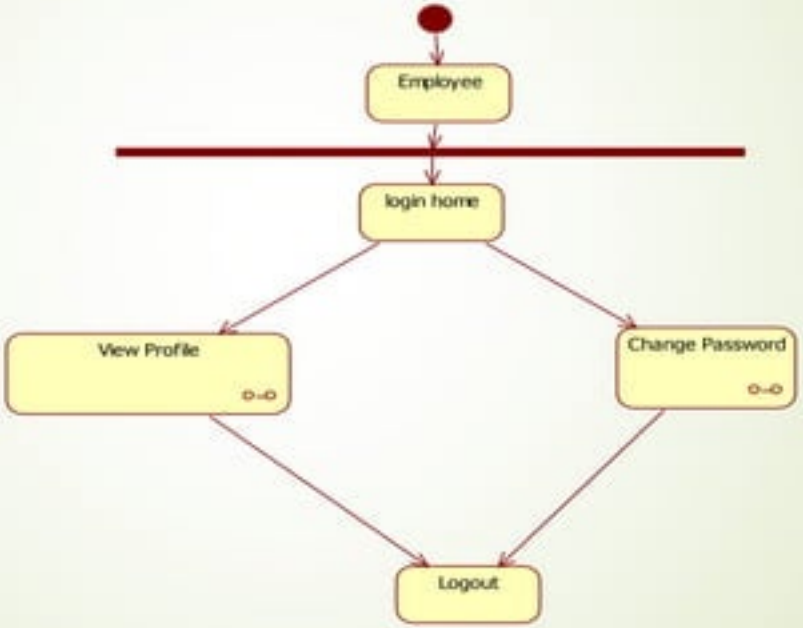


STATE CHART DIAGRAM

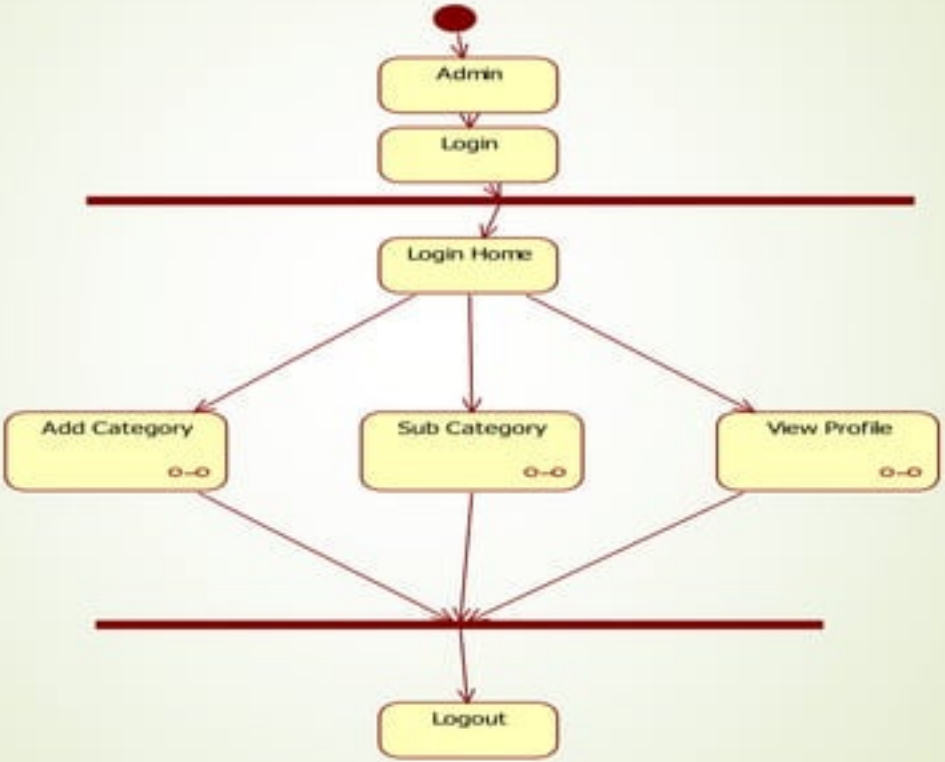
CUSTOMER



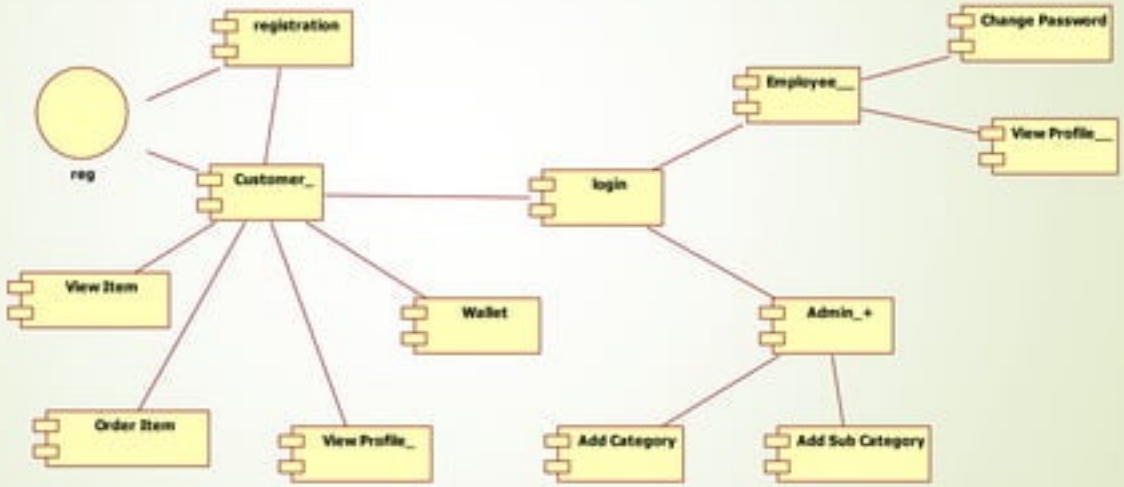
EMPLOYEE



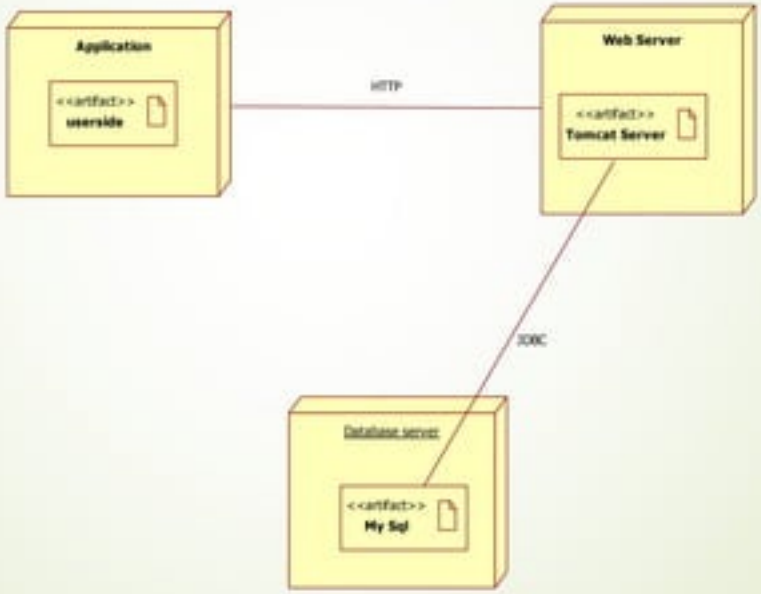
ADMIN


Admin
Login
Login Home
Add Category
Sub Category
View Profile
Logout

Component Diagram



Deployment Diagram



TABLES IN GROCERY

- Admin
- Card
- Category
- Customer
- Employee
- Item
- Item order
- Notification
- Status
- Subcategory
- Wallet

contd..

ADMIN

Field	Type	key	description
uname	Varchar(255)		
Pass	Varchar(255)		

EMPLOYEE

Field	Type	Key	description
employee_id	Int(255)	PRI	auto_increment
uname	Varchar(255)		
pass	Varchar(255)		
Email	Varchar(255)	UNI	
Gen	Varchar(255)		
Place	Varchar(255)		
Mob	Varchar(255)		
Status	Varchar(255)		

CUSTOMER

Field	Type	Key	description
Customer_id	Int(255)	PRI	Auto_increment
Uname	Varchar(255)		
Pass	Varchar(255)		
Email	Varchar(255)	UNI	
Gen	Varchar(255)		
Place	Varchar(255)		
Mob	Varchar(255)		

CATEGORY

Field	Type	Key	discription
Category_id	Int(225)	PRI	Autoincrement
cname	Varchar(225)		

ITEM

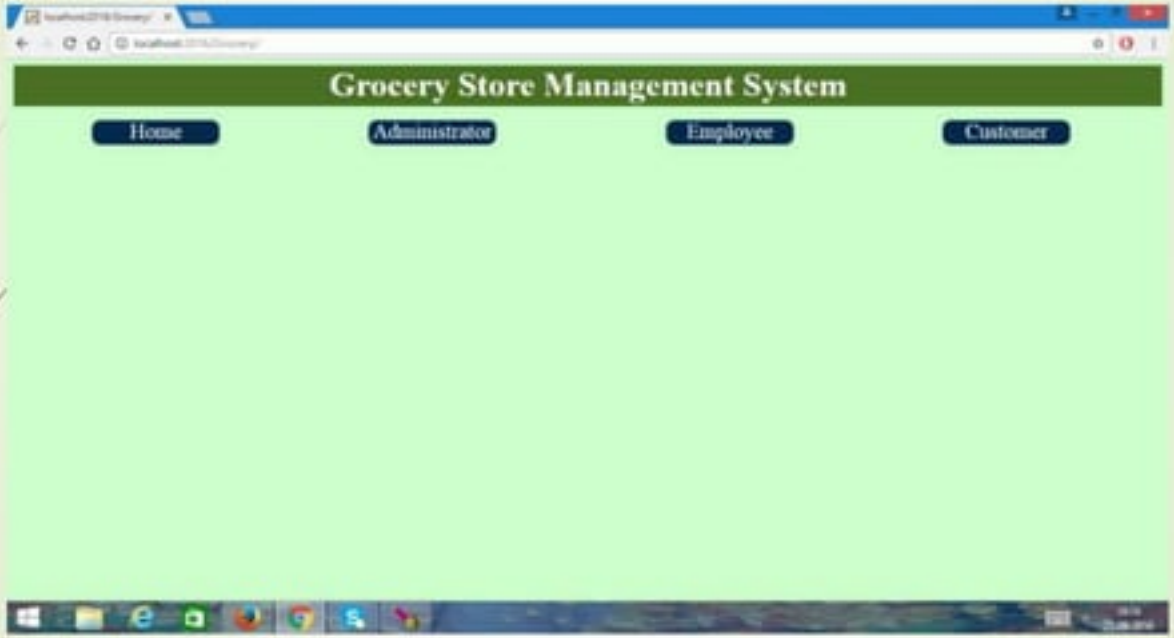
Field	Type	Key	description
Item_id	Int(225)	PRI	Auto_increment
Iname	Varchar(225)		
qua	Int(225)		
mes	Varchar(225)		
cost	Int(225)		
pic	Varchar(225)		
subcat	Int(225)		
datee	Varchar(225)		

NOTIFICATION

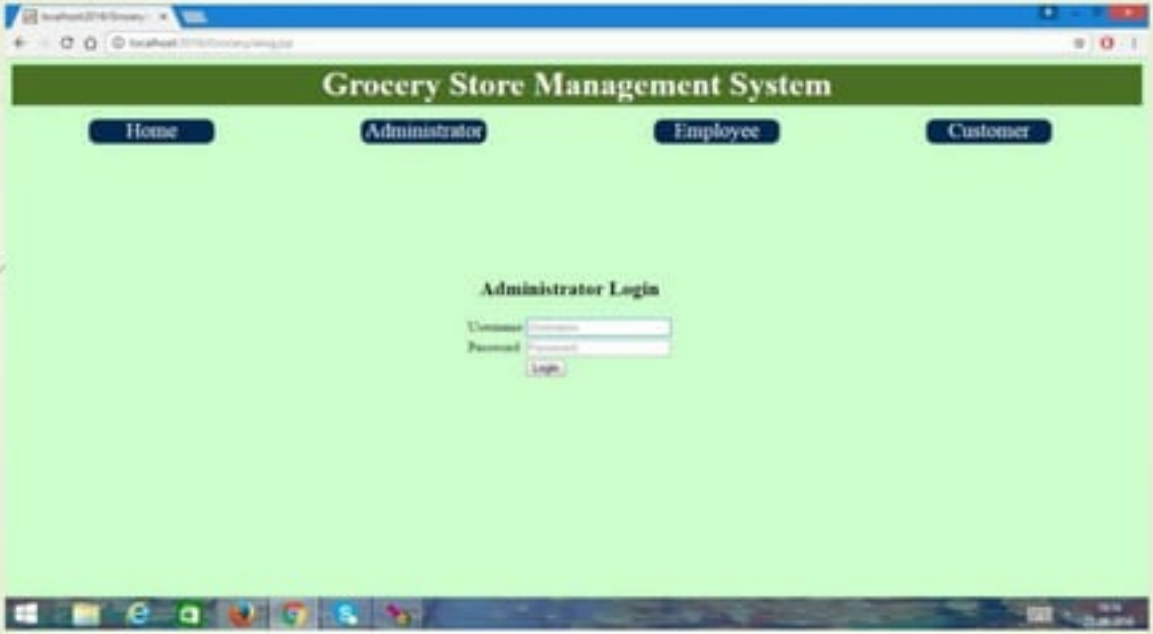
Field	Type	Key	discription
cid	Int(225)		
Eid	Int(225)		
Note	Varchar(225)		
Status	Varchar(225)		
datee	Varchar(225)		

SCREEN SHOTS

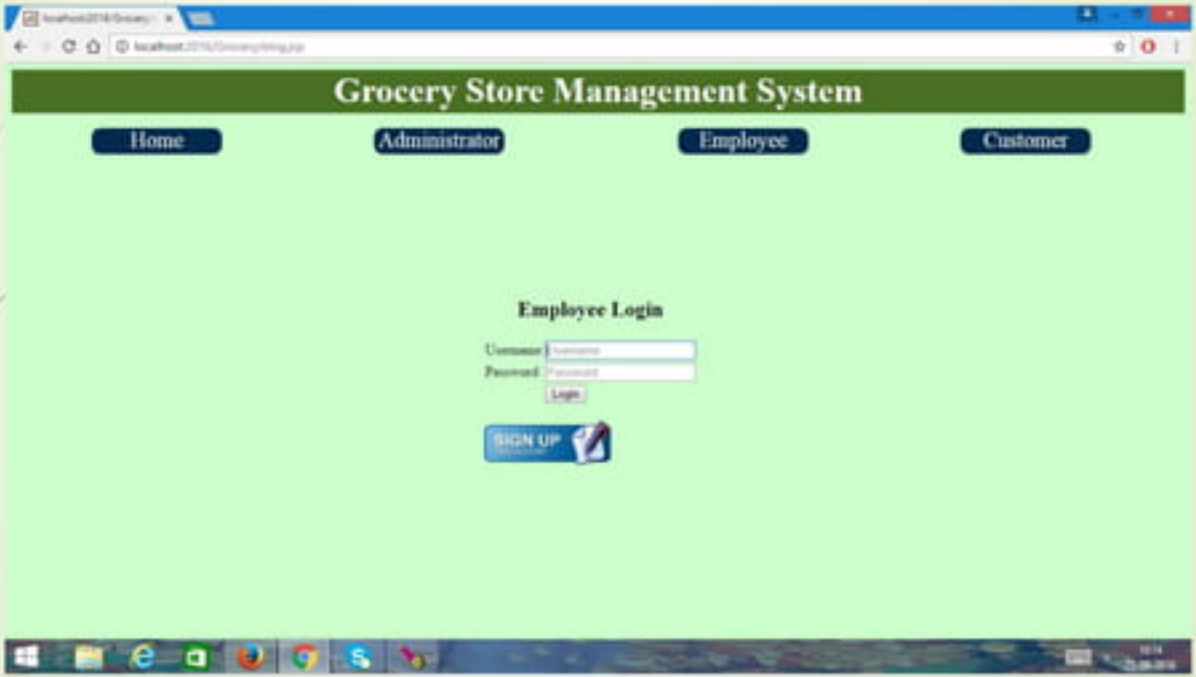
WELCOME PAGE



LOGIN PAGE

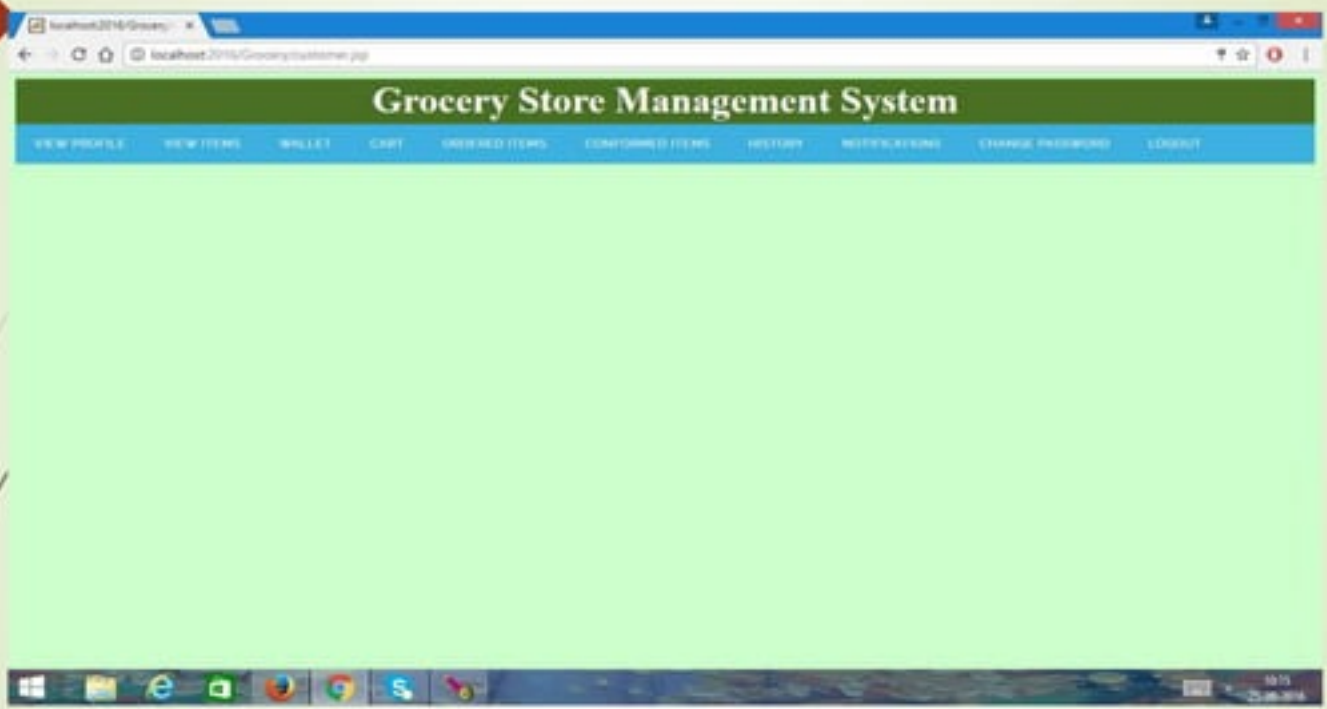

Grocery Store Management System
Home
Administrator
Employee
Customer
Administrator Login
Username
Password
Login

Grocery Store Management System
Home
Administrator
Employee
Customer
Customer Login
SIGN UP


Grocery Store Management System
Home
Administrator
Employee
Customer
Employee Login
Login
SIGN UP

EMPLOYEE DETAILS

Grocery Store Management System
Category Details
Category Name
View SubCategory
Edit
vegetables
View SubCategory
Edit
fruits
View SubCategory
Edit

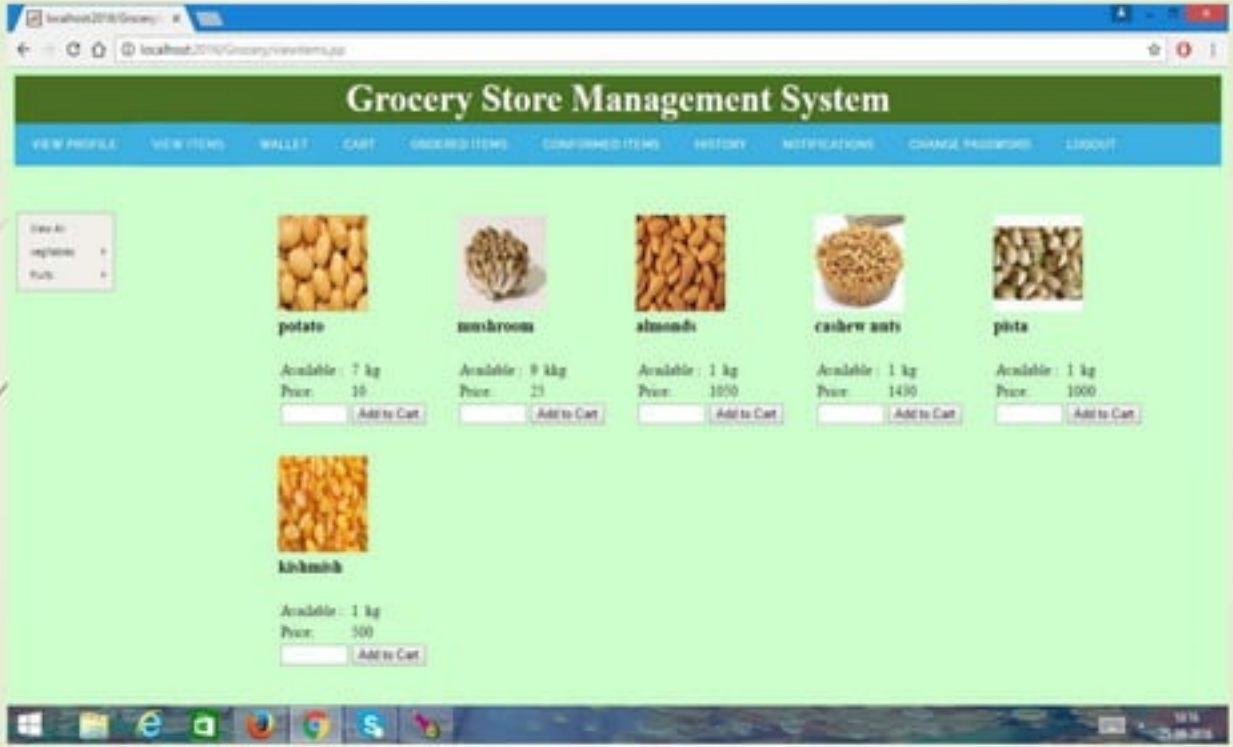

Grocery Store Management System

Grocery Store Management System
EMPLOYEES
CUSTOMERS
ADD CATEGORY
ADD SUB CATEGORY
VIEW CATEGORY
ADD ITEM
EDIT ITEM&IMAGE
EDIT ITEM
NOTIFICATIONS
LOGOUT

Grocery Store Management System
EMPLOYEES
CUSTOMERS
ADD CATEGORY
ADD SUB CATEGORY
VIEW CATEGORY
ADD ITEM
EDIT ITEM/IMAGE
EDIT ITEM
NOTIFICATIONS
LOGOUT
Category Details
Category Name
View SubCategory
Edit
vegetables
View SubCategory
Edit
fruits
View SubCategory
Edit

Grocery Store Management System
Notifications
Your Product Request has been accepted.Please conform your order
Your Product Request has been accepted.Please conform your order

Grocery Store Management System
VIEW PROFILE
VIEW ORDERS
CHANGE PASSWORD
LOGOUT
puji's Profile
Username puji
Email puji@gmail.com
Gender Female
Place khammam
Phone 8401727298
Edit


Grocery Store Management System
potato
mushroom
almonds
cashew nuts
pista
kishmish

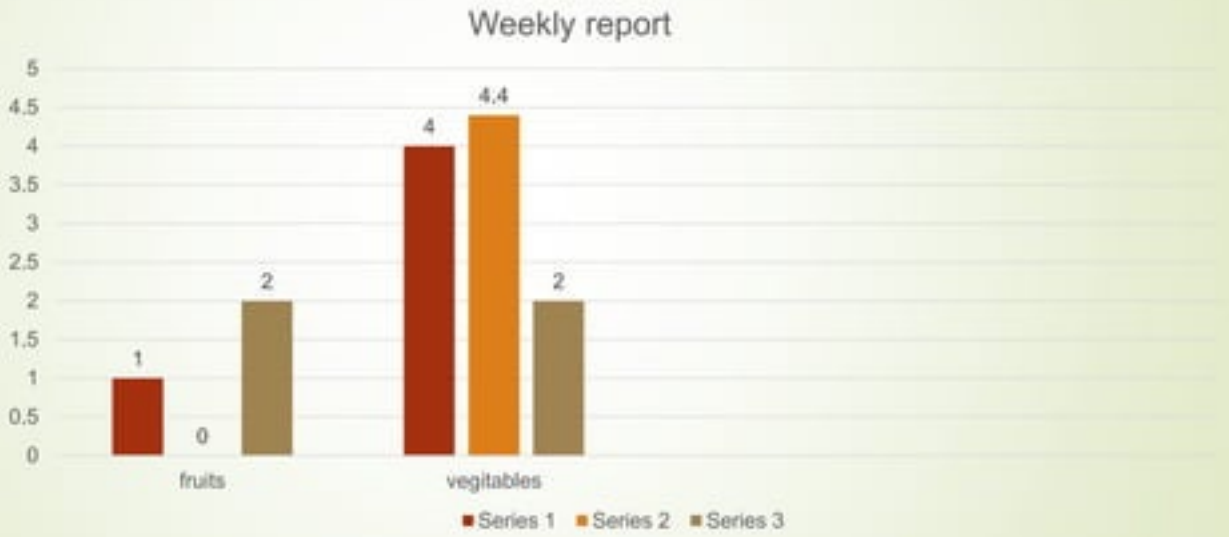
Grocery Store Management System
Purchase History
Item Name
Quantity
Cost
Total Cost
Status
Action Date

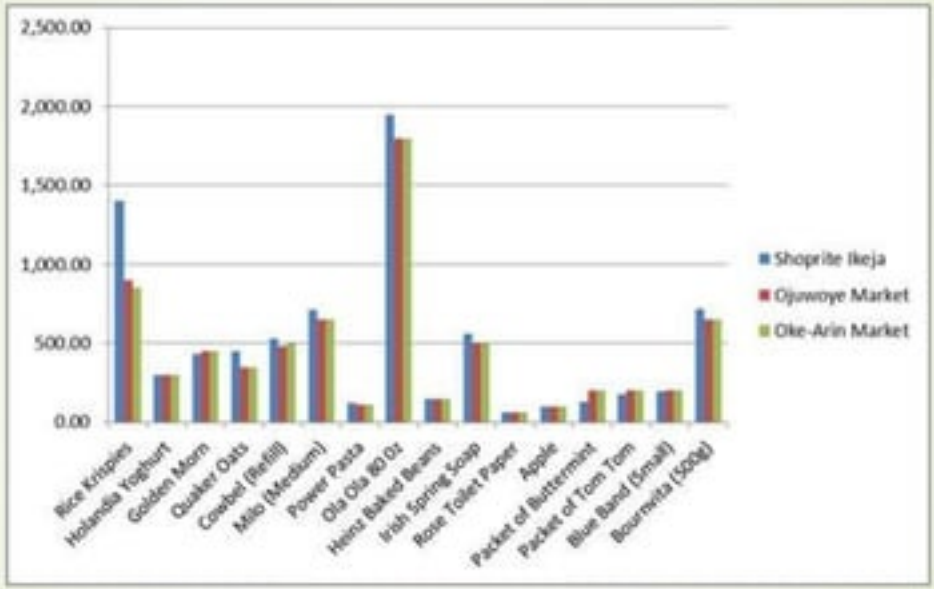
Grocery Store Management System
Category Details
Category Name
View SubCategory
Edit
vegetables
View SubCategory
Edit
fruits
View SubCategory
Edit

Grocery Store Management System
Cart
Item Name Quantity Cost Total Cost Edit Remove
Cart Is Empty

Grocery Store Management System
Payment not Done Items
Item Name Quantity Cost Total Cost
Total Cost
Paid Items
Item Name Quantity Cost Total Cost Remove
potato 1 kg 10 10
Total Cost

REPORT GENERATION




2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
Rice Krispies
Holansia Yoghurt
Golden Morn
Quaker Oats
Cowbell (Refill)
Milo (Medium)
Power Pasta
Ola Ola 80 Oz
Heinz Baked Beans
Irish Spring Soap
Rose Toilet Paper
Apple
Packet of Buttermint
Packet of Tom Tom
Blue Band (Small)
Bournvita (500g)
Shoprite Ikeja
Ojuwoye Market
Oke-Arin Market

TEST CASES

admin

Test case id	Test case	Expected output	Exhibiting output	result
1	No entry in user name field	It will show an error message	Please enter username	Pass
2	Enter correct username and password	Admin must be login	Admin page	Pass
3	Adding grocery items	Add to category and sub category	New items added	pass

user

Test case id	Test case	Expected output	Exhibiting output	result
1	Enter correct username and password	User must be login	User page opened	Pass
2	Phone number field is empty	Alert message	Enter your number	Pass
3	Placed order	Order conformation	The information is in conformed items	pass

employee

Test case id	Test case	Expected output	Exhibiting output	result
1	Enter correct user name and password	Employee login	Employee login page opened	Pass
2	Employee must view order	Employee process the order	Order successfully accepted	pass

payment

Test case id	Test case	Expected output	Exhibiting output	result
1	Order place by pay on pic up	Order must be placed	Please make the payment at the time of pic up	Pass
2	If order placed by card payment enter correct card no and cvv no	Order must be placed	Payment done	pass

conclusion

- By implementing this grocery management system we are getting the more flexibility for the users
- which can operate from the home itself by implementing the pay and pickup and pay now options

REFERENCE

- www.goggle.com
- Hoovers (2008a), Industry Profile: Grocery Stores and Supermarkets, available at: http://premium.hoovers.com.proxy1.cl.msu.edu:2047/subscribe/ind/fr/profile/basic.xhtml?ID = 84 (accessed May 20).

Thank You