

# SOFTWARE ENGINEERING

COURSE CODE : CSE 1005

## RETAIL MANAGEMENT AND BILLING SYSTEM

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## OBJECTIVE

In the digital age, retail stores have to deliver exceptional customer experiences to remain competitive. It's essential to manage all store processes and automate numerous manual operations effectively.

Developing retail software is the right decision for companies of different sizes. Such software can integrate with any retail business; it is scalable and can meet the needs of both a single shop and a retail chain consisting of hundreds of points of sale.

Benefits of retail solutions for business:

- Automation — you can automate store tasks such as inventory auditing, pricing regulation, billing, reporting, payroll records, returns processing, etc.
- Real-time visibility — systems allow you to control warehouses and shop floors in online mode, quickly identify whether certain items are in or out of stock, send instant alerts if something is out of order, and help avoid downtime.
- Improved customer service — employees can spend more time engaging with customers while the system performs other tasks automatically.

Hence, the retail management system that we provide will be a great change for the retail business all over the world.

This system will be enhanced with a database which stores all the items details in a systematic manner and easy management of bills and database.

## **EXISTING SYSTEM**

Currently, all the billings, data management, execution are done in an irregular manner and in an unorganized way. With this system the business might not have chances to increase their profits as there will be many irregularities and this can be undone by revolutionizing the retail business industry by technology.

## **NEED FOR NEW SYSTEM**

In order to eliminate the system drawbacks it has changed by applying technology to its field which will help increase its profits by going online business, will have better management of its items, can reach more people, can organise the business in an efficient manner.

## HARDWARE AND SOFTWARE REQUIREMENT

RAM	2 GB
HARD DISK	64 GB
PROCESSOR	1 GHZ

HARDWARE	PC,CPU , MOUSE, PRINTER, INTERNET
SOFTWARE	PHP , MySQL Database, Xampp, JAVA Applet

## FUNCTIONAL SPECIFICATION

Retail management and billing systems should be a simple application used by its stakeholders with/without much of technical knowledge.

**Login interface** :- This user interface prompts the user to authenticate his/her credentials by asking username and password, so that only authorized users can log in to the system. Also it displays error messages and exits if the given credentials are wrong.

**Billing details Maintenance**:- This user interface prompts the user with the option of bill with product id , product amount, product price, discount and total bill.

**Reports Menu**:-This interface provides the users with the option to view reports such as product price, product name, discount .

## STAFF

- Will have access to the system.
- Will have access to the billing.
- Can we view previous bills.
- Cannot access the administrator section.

## ADMIN

- Will have access to the system.
- Can create, delete , modify a bill.
- Can create , modify, display, search, delete product in the database.
- Will have access to all the options in the system.
- Can modify the price of the product.
- Can change the discount given on a particular product.
- Can access the database.

## SRS (SOFTWARE REQUIREMENT SPECIFICATION)

The RETAIL MANAGEMENT AND BILLING SYSTEM stores details about Billing, staff, products details and login.

S.No	Title	Description	Functional Requirements
1.	System Login	When the person starts the software it asks for the authorization so that the required person logs in and does the work.	<ul style="list-style-type: none"> <li>• Should accept the user name and password.</li> <li>• A case insensitive comparison is done for a user name and a case sensitive comparison is done for a password.</li> <li>• If the correct user id and password are supplied then, the Main Menu should be displayed.</li> <li>• If an invalid user id or password is entered then the system should display an error message “Login Denied” and should ask</li> </ul>

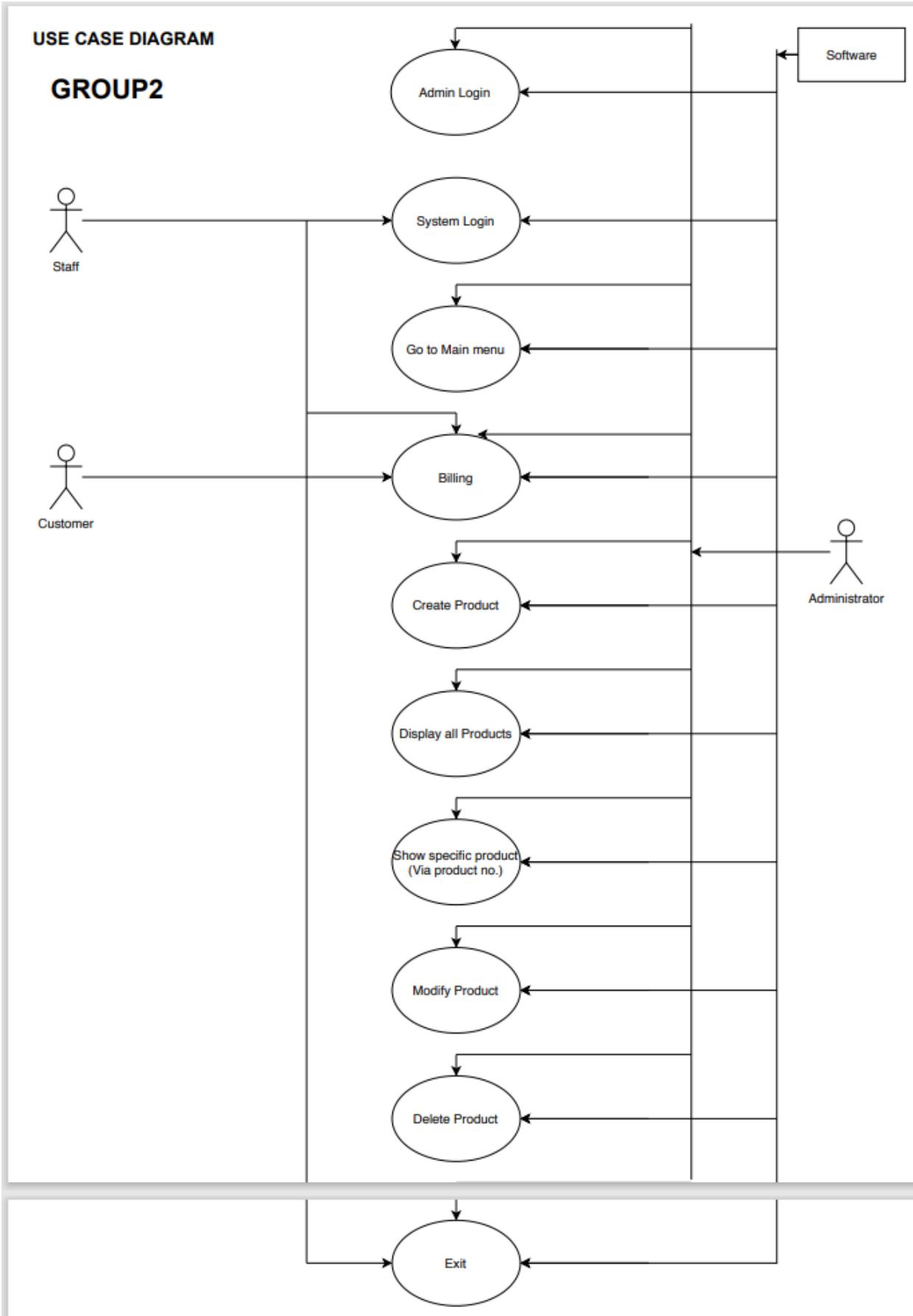
			again for the correct username and password.
2.	Main Menu	When the user logins the system, it displays the options from where the user should choose one as required.	<p>In this section of main menu, it shows 3 options :</p> <ul style="list-style-type: none"> <li>- BILLING : Where the bill is created for the customer.</li> <li>- ADMINISTRATOR : Where the user should login as administrator and can have access to database for create, change and delete the data and can also check the staff info.</li> <li>- EXIT : Where the user can exit the system and log off.</li> </ul>
3.	Billing	This option is under the main menu for the creation of bills for the customer.	<p>In the section of billing, it asks for details that are:</p> <ul style="list-style-type: none"> <li>- Prod_No : It asks for the product number to enter in the bill.</li> <li>- Quantity : It asks for the quantity of products to bill.</li> <li>- It asks whether you want to add one more product after entering the prod_no and quantity always where you can say yes / no.</li> <li>- If yes, the process repeats.</li> <li>- If no, the bill is generated.</li> </ul>
4.	Administrator	This option is under the main menu for the updation of the database which requires authorization.	<p>Before logging into the administrator section , it asks for authorization and then the user can update and view the database as required.</p> <ul style="list-style-type: none"> <li>- LOGIN : It asks for the username and password to login into the Administrator section by verifying the username and password as per the rules.</li> <li>- After login the options available are:           <ol style="list-style-type: none"> <li>1. CREATE PRODUCT               <ul style="list-style-type: none"> <li>- Prod_No</li> <li>- Prod_Name</li> <li>- Prod_Price</li> <li>- Discount</li> </ul> </li> <li>2. DISPLAY ALL PRODUCTS</li> <li>3. SHOW SPECIFIC PRODUCT</li> </ol> </li> </ul>

			<ul style="list-style-type: none"> <li>- Prod_No</li> </ul> <p><b>4. MODIFY PRODUCT</b></p> <ul style="list-style-type: none"> <li>- Prod_No</li> <li>- New_Name</li> <li>- New_Rate</li> <li>- Discount</li> </ul> <p><b>5. DELETE PRODUCT</b></p> <ul style="list-style-type: none"> <li>- Prod_No</li> </ul> <p><b>6. EXIT TO MAIN MENU</b></p>
5.	Login For Administrator	Before logging into the administrator section , it asks for authorization and then the user can update and view the database as required.	<ul style="list-style-type: none"> <li>• Should accept the user name and password .</li> <li>• A case insensitive comparison is done for a user name and a case sensitive comparison is done for a password .</li> <li>• If the correct user id and password are supplied then, the Administrator section should be displayed .</li> <li>• If an invalid user id or password is entered then the system should display an error message “Login Denied” and should ask again for the correct username and password.</li> </ul>
6.	Create Product	This comes under the administrator section for creating a product into the database.	<p>The details required to create a product are :</p> <ul style="list-style-type: none"> <li>- Prod_No : It asks for the product number so that the product can be accessed easily while billing.</li> <li>- Prod_Name : It asks for the product name for the display.</li> <li>- Prod_Price : It asks for the product price for display.</li> <li>- Discount : It asks for the discount for the product and discount can also be given zero as when required.</li> </ul>
7.	Display All Product	This comes under the administrator section for displaying all the products listed in the database.	In this section, it displays all the products entered in the database with details of products like product number, name, price and discount.

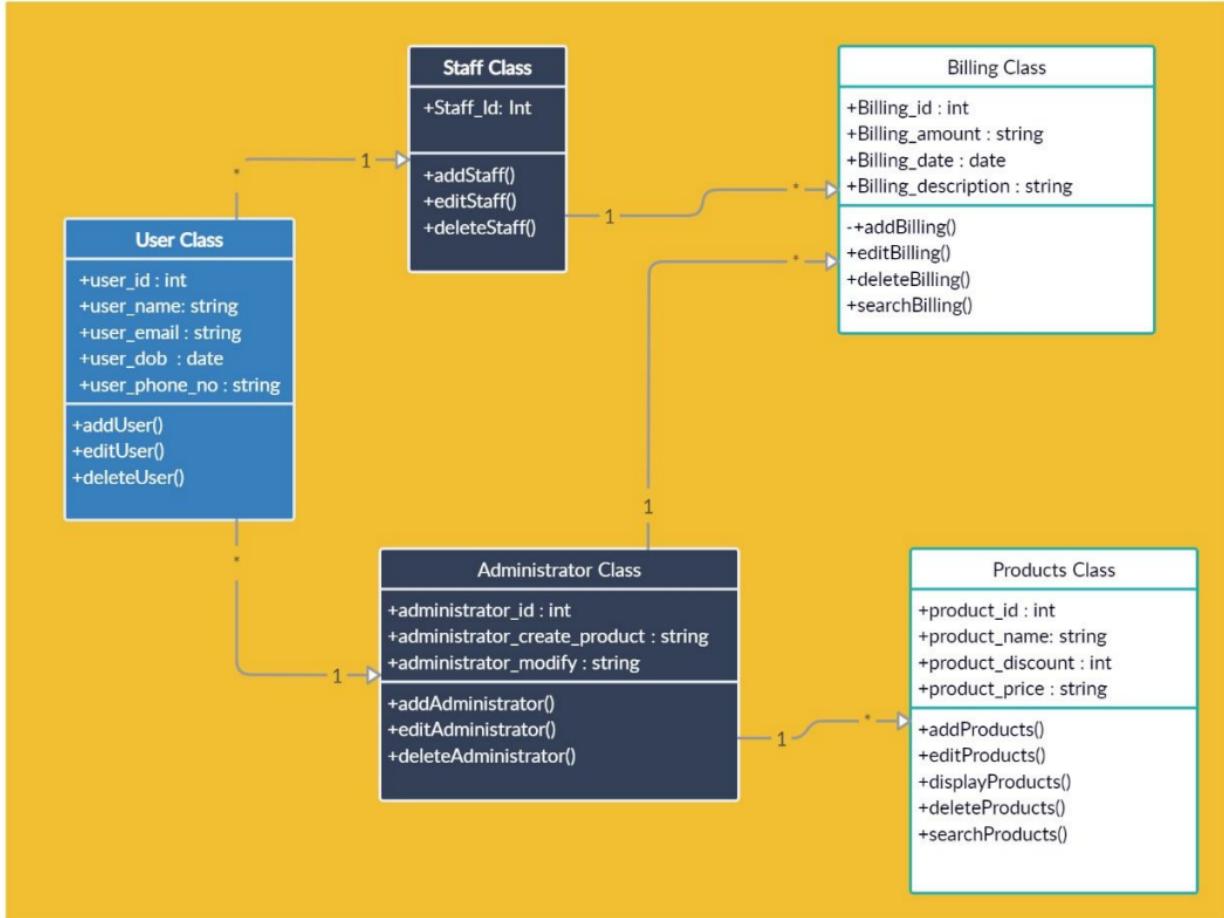
8.	Show Specific Product	This comes under the administrator section for showing a particular product detail.	<p>It shows the details of the particular product when asked for by entering the product number.</p> <ul style="list-style-type: none"> <li>- Prod_No : It asks the product number so that the details can be displayed.</li> </ul>
9.	Modify	This comes under the administrator section for updation of product details.	<p>In this section, when the updation of product is required it asks for the :</p> <ul style="list-style-type: none"> <li>- Prod_No : It asks for the product number so that it can change the details of the product.</li> <li>- Prod_Name : It asks for the new product name to be updated.</li> <li>- Prod_Price : It asks for the new product price to be entered.</li> <li>- Discount : It asks for the new discount for the product.</li> </ul> <p>It then updates the details of the products as entered.</p>
10.	Delete Product	This comes under the administrator section for deleting a particular product.	<p>In this section, the product number is asked</p> <ul style="list-style-type: none"> <li>- Prod_No : It asks for the product number so that it can delete the product details.</li> </ul> <p>And ,then the product is not listed in the database.</p>
11.	Exit To Main	This comes under the administrator section for exiting this section.	<p>In this section, the exit option when selected it moves out of this administrator section and comes to the main menu.</p>
12.	Exit	When executed it logs out of the system.	<p>This option when executed logs out of the software from the system.</p>

## UML DIAGRAMS

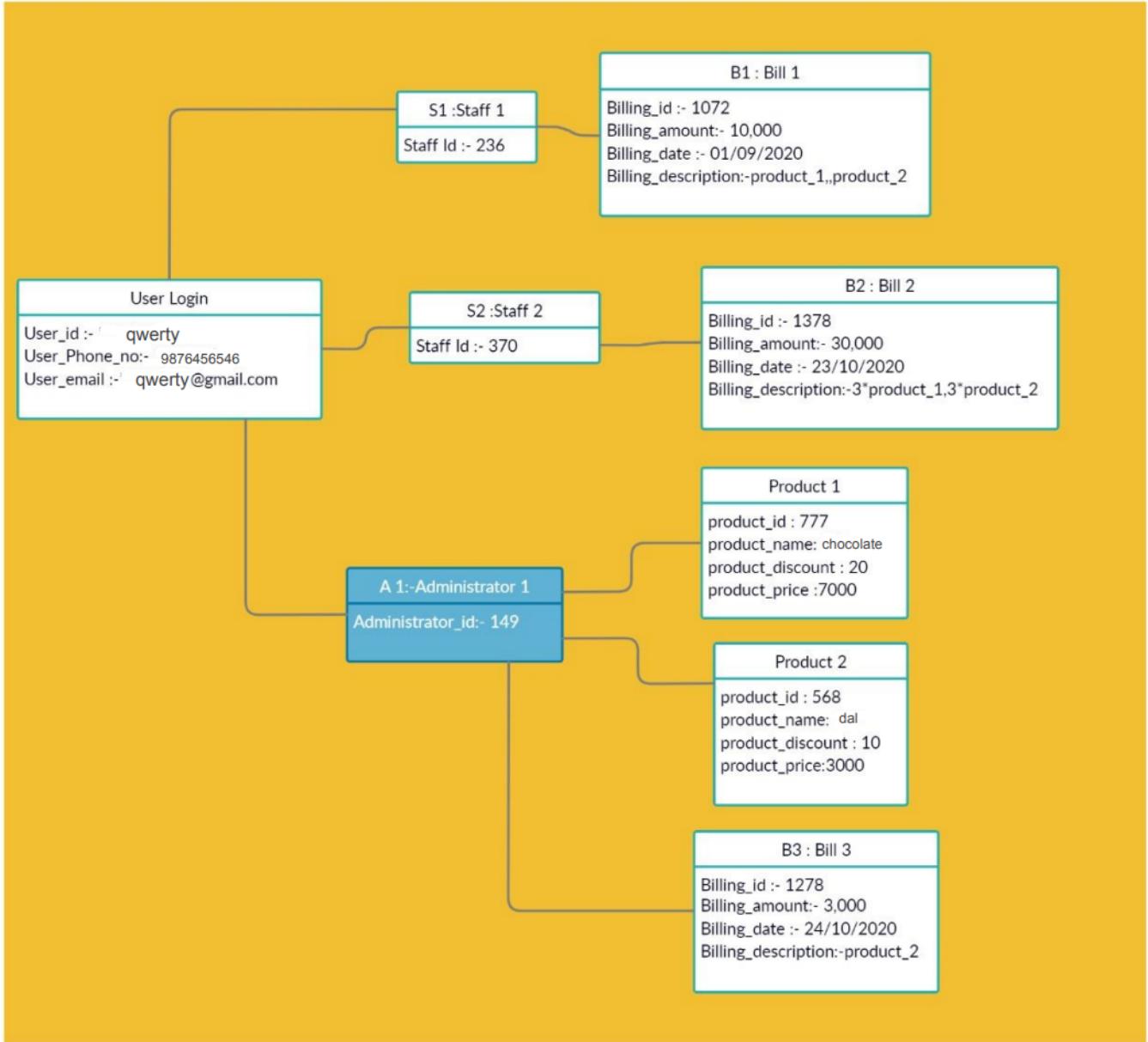
### USE CASE DIAGRAM



## CLASS DIAGRAM

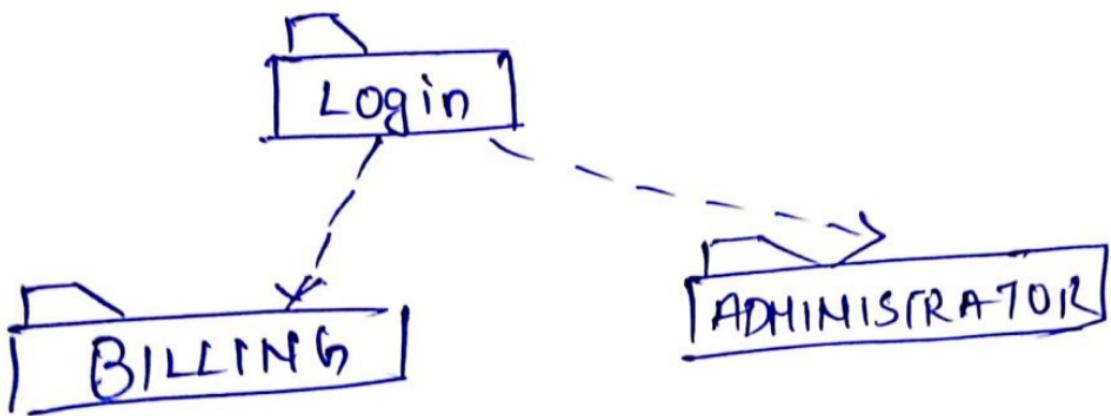


## OBJECT DIAGRAM



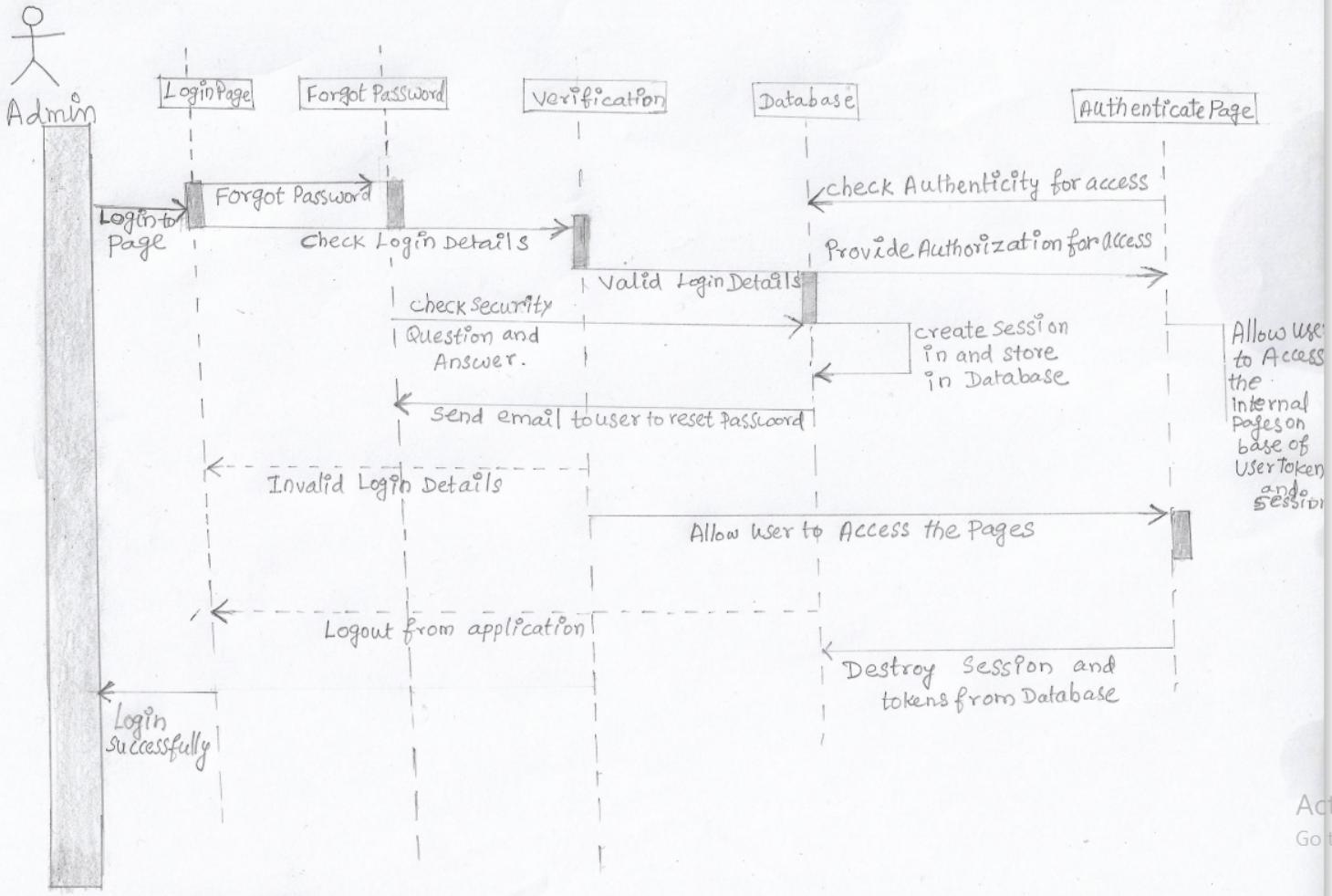
**PACKAGE DIAGRAM**

# Package Diagram



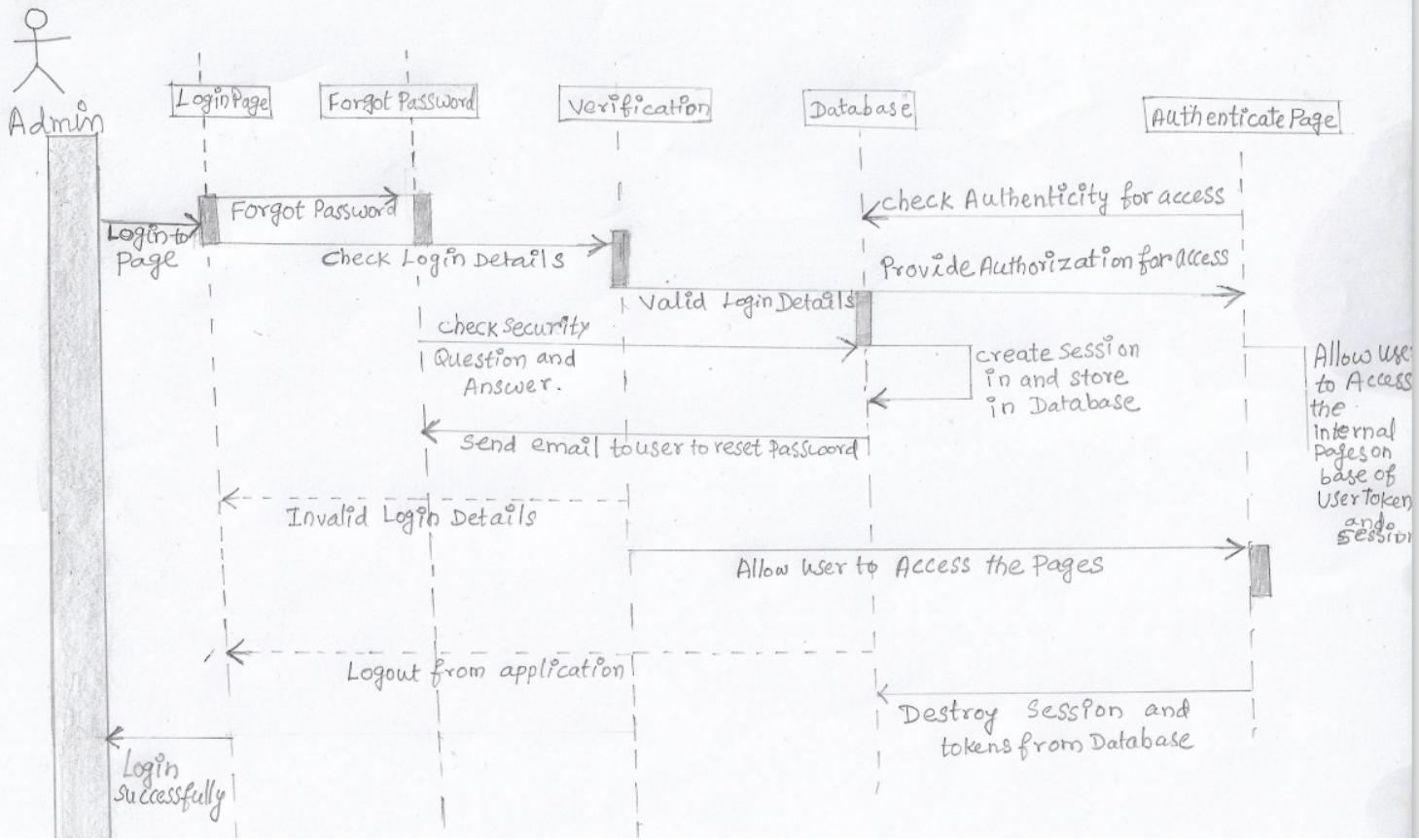
## SEQUENCE DIAGRAM

**GROUP 2** Login Sequence diagram of Retail Store Management System

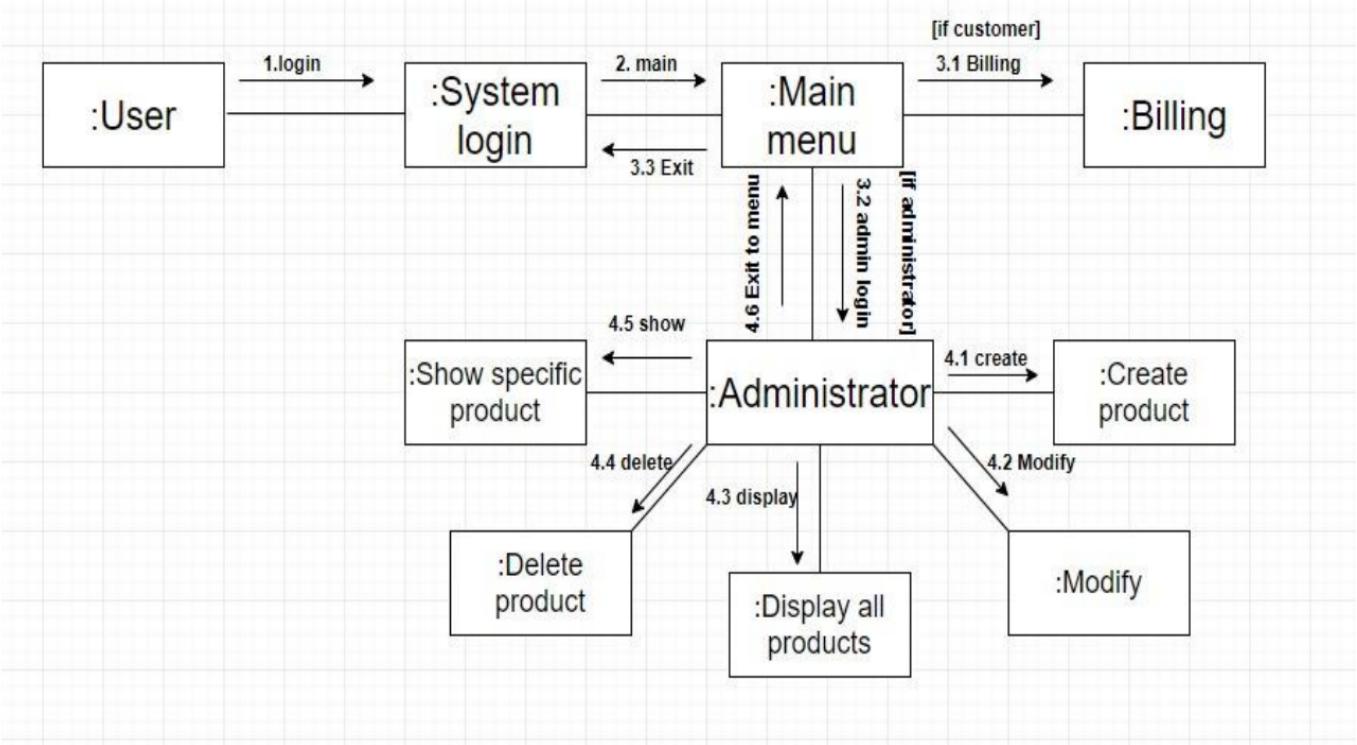


GROUP 2

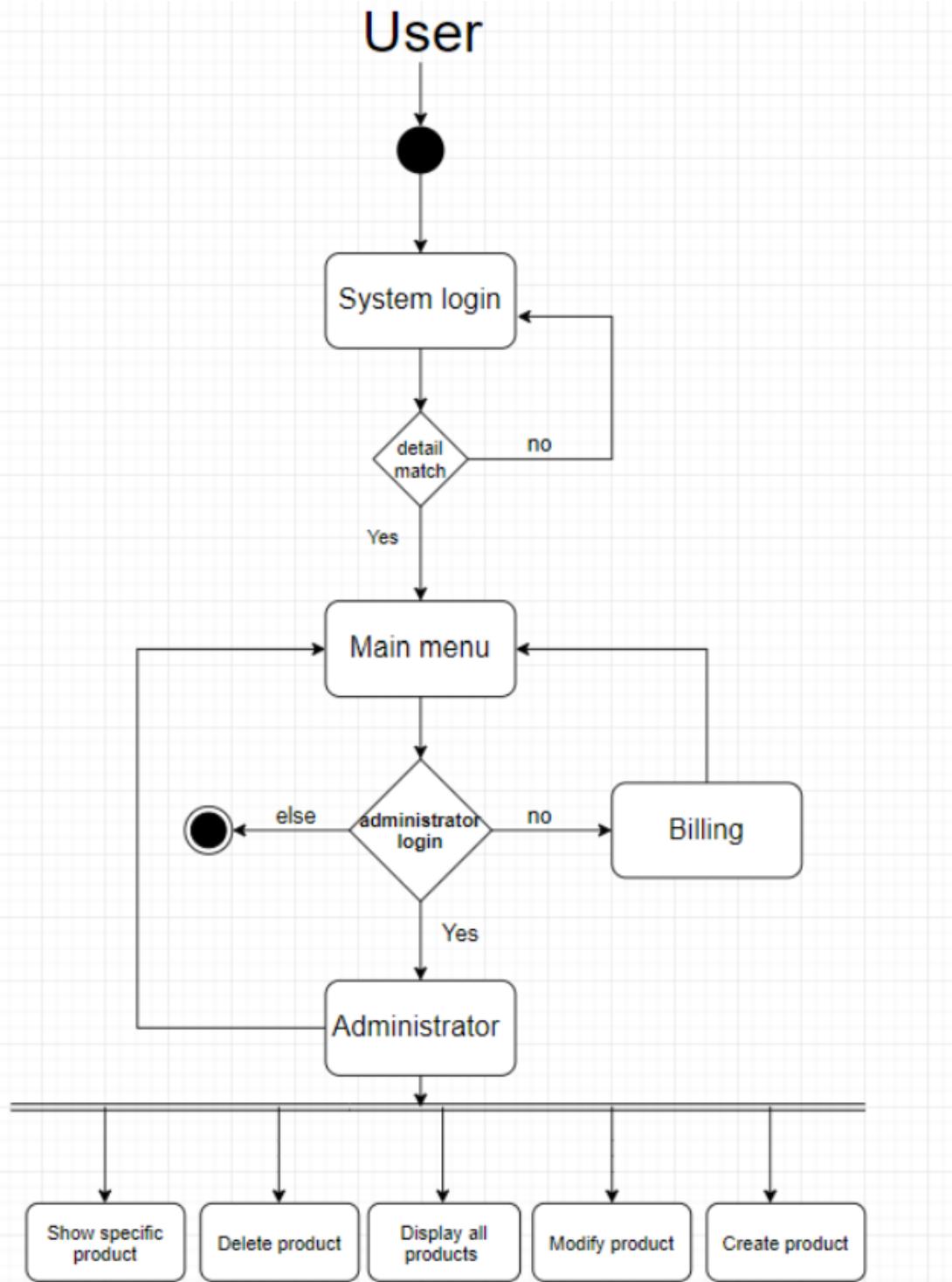
## Login Sequence diagram of Retail Store Management System

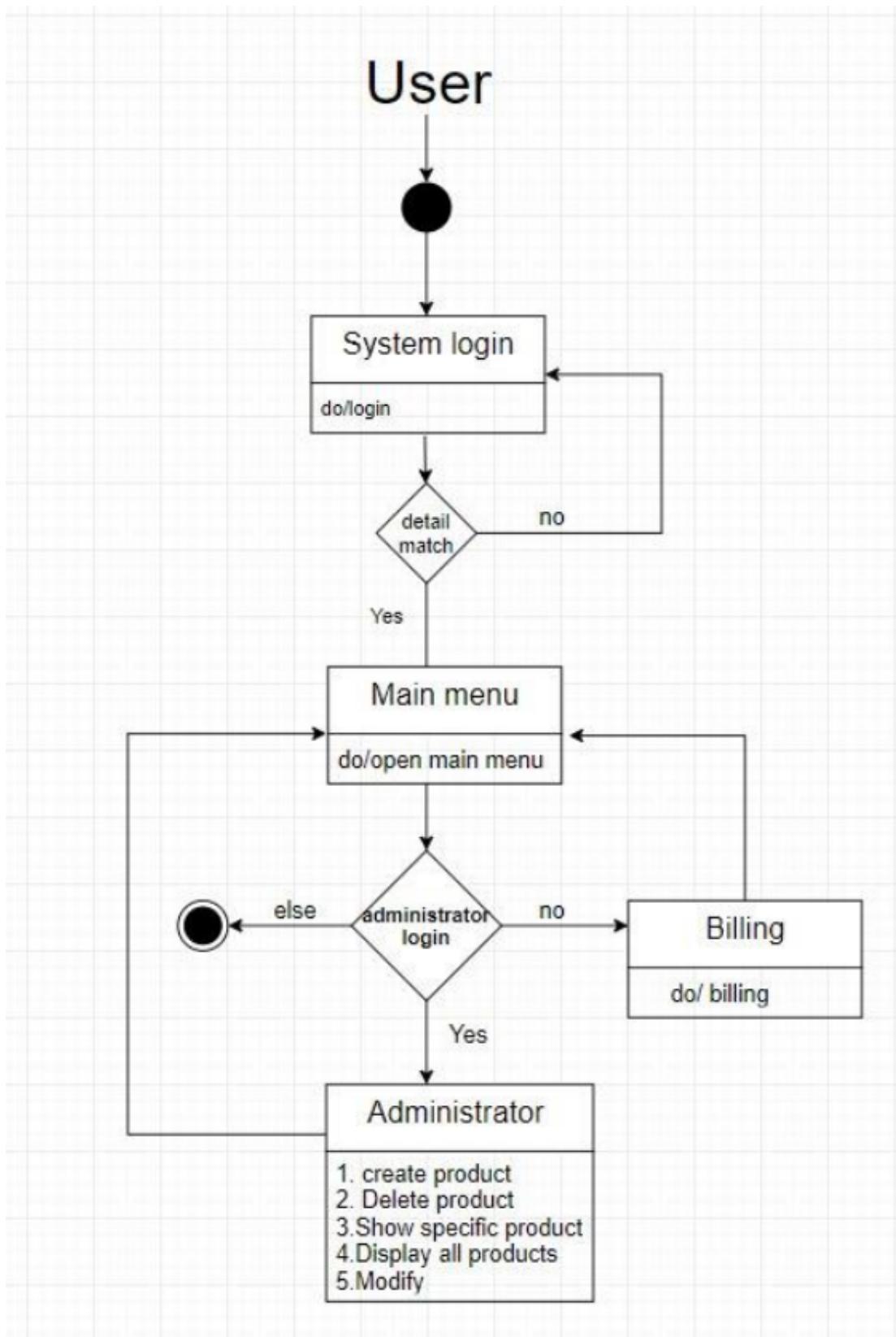


## COLLABORATION DIAGRAM



## ACTIVITY DIAGRAM



**STATE DIAGRAM**

**CODE :**

```
*****  
// HEADER FILE USED  
*****  
import java.util.*;  
import java.sql.*;  
  
*****  
// CLASS  
*****  
  
class Project  
{  
  
    static int pno;  
    static String name;  
    static double price, dis;  
    static Statement stt;  
    static Connection con;  
    static PreparedStatement prep;  
  
*****  
// METHOD to create product in database  
*****  
  
static void get_details(boolean a)  
{  
  
    Scanner sc=new Scanner(System.in);  
    if(a) {  
        System.out.println("\nPlease Enter The Product No. of The Product ");  
        pno=sc.nextInt();  
    }  
    System.out.println("\n\nPlease Enter The Name of The Product ");
```

```
name=sc.next();
System.out.println("\nPlease Enter The Price of The Product ");
price=sc.nextDouble();
System.out.println("\nPlease Enter The Discount (%) ");
dis=sc.nextDouble();
}

//*****
// METHOD to create product in database
//*****


static void create_product()
{
get_details(true);
try {
prep = con.prepareStatement("INSERT INTO shop VALUES(?, ?, ?, ?)");
prep.setInt(1,pno);
prep.setString(2, name);
prep.setDouble(3, price);
prep.setDouble(4, dis);
prep.executeUpdate();
System.out.println("\n\nThe Product Has Been Created ");
}
catch(Exception e){ System.out.println(e);}
}

//*****
// METHOD to read all records from database
//*****


static void display_all()
{
System.out.println("\n\n\n\tDISPLAY ALL RECORD !!!\n\n");
```

```
System.out.println("=====\\n");
System.out.println("P.NO.\t\tNAME\t\tPRICE\t\tDIS\\n");

System.out.println("=====\\n");
System.out.println("=====\\n");

try {
    Statement
stmt=con.createStatement	ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
ResultSet res = stmt.executeQuery("SELECT * FROM shop ");
while (res.next())
{
    System.out.println( res.getInt("pno")+"\t\t" + res.getString("name")+"\t\t"
+res.getDouble("price")+"\t\t" + res.getDouble("dis"));
}
}

catch(Exception e){ System.out.println(e);}
System.out.println("");
}

//*****// METHOD to read specific records from database
//*****// static boolean show_product(int a)

{
try {
prep = con.prepareStatement("SELECT * FROM shop WHERE pno = ?");
prep.setInt(1, a);
ResultSet res = prep.executeQuery();
if (res.next() == false) { return false;}
else {
```

```

System.out.println("\nP.NO.\t\tNAME\t\tPRICE\t\tDIS\n");

System.out.println("=====\\n");
System.out.println( res.getInt("pno")+"\t\t" + res.getString("name")+"\t\t"
+res.getDouble("price")+"\t\t" + res.getDouble("dis"));
return true;
}
catch(Exception e){ System.out.println(e);}
return false;

}

//*****// METHOD to modify record of database //*****


static void modify_product()
{
int no;
Scanner sc=new Scanner(System.in);
System.out.println("\n\n\tTo Modify ");
System.out.println("\n\n\tPlease Enter The Product No. of The Product");
no=sc.nextInt();
if (show_product(no) == false) {
System.out.println("ResultSet in empty in Java");
} else {
System.out.println("\nPlease Enter The New Details of Product");
get_details(false);
try {
prep = con.prepareStatement("UPDATE shop SET name = ?,price = ?,dis
= ? WHERE pno = ?");
prep.setString(1, name);
prep.setDouble(2, price);
prep.setDouble(3, dis);
prep.setInt(4, no);
}
}
}

```

```
prep.executeUpdate();
System.out.println("\n\n\t Record Updated");
}
catch(Exception e){ System.out.println(e);}
}

}

//*****
// METHOD to delete record of database
//*****

static void delete_product()
{
int no;
Scanner sc=new Scanner(System.in);
System.out.println("\n\n\n\tDelete Record");
System.out.println("\n\nPlease Enter The product no. of The Product You
Want To Delete");
no=sc.nextInt();
boolean a=show_product(no);
if(a==false)
{
System.out.println("no such pno found");
}
else {
try {
prep = con.prepareStatement("DELETE FROM shop WHERE pno = ? ");
prep.setInt(1, no);
prep.executeUpdate();
System.out.println("\n\n\tRecord Deleted ..");
}catch(Exception e){ System.out.println(e);}
}
}

}

//*****
// METHOD to place order and generating bill for Products
```

```
*****  
  
static void billing()  
{  
  
Scanner sc =new Scanner(System.in);  
int order_arr[]=new int[50];  
int quan[]=new int[50];  
int c = 0;  
double amt, damt, total = 0;  
char ch = 'Y';  
display_all() ;  
  
System.out.println("\n=====");  
System.out.println("\n PLACE YOUR ORDER");  
System.out.println("\n=====\\n");  
  
do  
{  
System.out.println("\n\nEnter The Product No. Of The Product : ");  
order_arr[c]=sc.nextInt();  
System.out.println("\nQuantity in number : ");  
quan[c]=sc.nextInt();  
c++;  
System.out.println("\nDo You Want To Order Another Product ? (y/n)");  
ch=sc.next().charAt(0);  
} while (ch == 'y' || ch == 'Y');  
  
System.out.println("\n\nThank You For Placing The Order");  
System.out.println("\n\n*****  
INVOICE*****\\n");  
System.out.println("\nPr No.\tPr Name\tQuantity \tPrice \tAmount \tAmount  
after discount\\n ");  
  
for (int x = 0; x < c; x++)
```



```
System.out.println("\n\n From : VIT AP UNIVERSITY");

String url = "jdbc:mysql://localhost:3306/test?serverTimezone=UTC";
String user = "root";
String password = "";

try {
    Class.forName("com.mysql.jdbc.Driver") ;
    con = DriverManager.getConnection(url, user, password);
    Statement stt = con.createStatement();
    stt.execute("CREATE DATABASE IF NOT EXISTS test");
    stt.execute("USE test");
}
catch (Exception e)
{
    e.printStackTrace();
}

//*****
// ADMINISTRATOR MENU METHOD
//*****


static void admin_menu()
{
    char ch2;
    Scanner sc =new Scanner(System.in);
    do
    {
        System.out.println("\n\n\n\tADMIN MENU");
        System.out.println("\n\n\t1.CREATE PRODUCT");
        System.out.println("\n\n\t2.DISPLAY ALL PRODUCTS");
        System.out.println("\n\n\t3.SHOW SPECIFIC PRODUCTS ");
        System.out.println("\n\n\t4.MODIFY PRODUCT");
    }
}
```

```
System.out.println("\n\n\t5.DELETE PRODUCT");
System.out.println("\n\n\t6.BACK TO MAIN MENU");
System.out.println("\n\n\tPlease Enter Your Choice (1-6 )");
ch2 = sc.next().charAt(0);
switch (ch2)
{
case '1':
create_product();
break;
case '2':
display_all();
break;
case '3':
int num;
System.out.println("\n\n\tPlease Enter The Product No. ");
num=sc.nextInt();
boolean a=show_product(num);
if(a==false)
{
System.out.println("ResultSet in empty in Java");
}
break;
case '4':
modify_product(); break;
case '5':
delete_product(); break;
case '6': break;
default:
System.out.println("INVALID INPUT");
}

}while (ch2 != '6');
}
*****
```

```
// THE MAIN METHOD OF PROGRAM
//*****  
  
public static void main(String[] args)
{
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the USERNAME and PASSWORD for system
login");
    String user=sc.next();
    String pass=sc.next();

    if(user.equals("user") && pass.equals("pass"))
        {System.out.println("WELCOME TO THE SYSTEM....YOU HAVE
SUCCESSFULLY LOGGED IN");}
    else
    {
        System.out.println("You have entered the wrong password....Run the
proram again");

        System.exit(0);
    }

    char ch;
    intro();
    do
    {
        System.out.println("\n\n\n\tMAIN MENU");
        System.out.println("\n\n\t01. billing");
        System.out.println("\n\n\t02. ADMINISTRATOR");
        System.out.println("\n\n\t03. EXIT");
        System.out.println("\n\n\tPlease Select Your Option (1-3 )");
        ch = sc.next().charAt(0);
        switch (ch)
        {
            case '1':
```

```
billing();
break;
case '2':
admin_menu();
break;
case '3':
System.exit(0);
default:
System.out.println("INVALID INPUT");
}
} while (ch != '3');
}
}

//*****
// END OF PROJECT
//*****
```

## TESTING

## First, we enter the username and password to login into the system

```
Enter the USERNAME and PASSWORD for system login
user
pass
WELCOME TO THE SYSTEM....YOU HAVE SUCCESSFULLY LOGGED IN

                           RETAIL BILLING SYSTEM
                           SOFTWARE ENGINEERING PROJECT

MADE BY : GROUP 2

From : VIT AP UNIVERSITY

MAIN MENU

01. billing

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3)
```

## If the username and password are wrong the program is terminated

```
<terminated> Project [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe
Enter the USERNAME and PASSWORD for system login
wronguser
wrongpass
You have entered the wrong password....Run the proram again
```

## PROJECT ESTIMATION

## COCOMO MODEL

### - USING BASIC COCOMO MODEL TO ESTIMATE THE COST

#### Formulas

- Effort  $E = a(KLOC)^b$
- Development Time  $D = c(E)^d$
- Person Required  $P = (E / D)$
- Productivity =  $KLOC / E$

The basic COCOMO model coefficients values are:

- $a = 2.4$
- $b = 1.05$
- $c = 2.5$
- $d = 0.38$

Project contains 346 lines of code , so our KLOC is 0.346

- $E = a(KLOC)^b$   
 $E = 2.4(0.346)^{1.05}$   
 $E = 2.4 * 0.328$   
 $E = 0.7872$
- $D = c(E)^d$   
 $D = 2.5*(0.7872)^{0.38}$   
 $D = 2.5 * 0.913$   
 $D = 2.2825$
- $P = E/D$   
 $P = 0.7872 / 2.2825$   
 $P = 0.345$
- Productivity =  $KLOC / E$   
 $= 0.346 / 0.7872$   
 $= 0.439$

## LOC MODEL

- **USING LOC MODEL**

**Estimated LOC : 346**

**Labour : 500**

**Avg Productivity of month : 75**

**Cost per line of code :  $500/75 = 6.67$**

**Total Estimated project cost =  $346 * 6.67$   
= 2307.82**

**Estimated effort :  $2307.82 / 500$**

**: 4.615**

**: approx 5 people required in a month**

## **RESULTS**

## First, we enter the username and password to login into the system

```
Enter the USERNAME and PASSWORD for system login
user
pass
WELCOME TO THE SYSTEM....YOU HAVE SUCCESSFULLY LOGGED IN

RETAIL BILLING SYSTEM
SOFTWARE ENGINEERING PROJECT
```

MADE BY : GROUP 2

From : VIT AP UNIVERSITY

### MAIN MENU

01. billing

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3)

## If the username and password are wrong the program is terminated

```
<terminated> Project [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe
Enter the USERNAME and PASSWORD for system login
wronguser
wrongpass
You have entered the wrong password....Run the proram again
```

## Now after logging in to the system we have the main menu having three options

- 
- 1. Billing**
  - 2. Administration**
  - 3. Exit**

**Now when we enter one we start running the billing function  
.i.e, we create a bill**

Project [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (12-Dec-2020, 4:50:58 pm)

03. EXIT

Please Select Your Option (1-3)

1

DISPLAY ALL RECORD !!!

```
=====
P.NO.      NAME        PRICE       DIS
=====
1          Badam       720.0       5.0
2          Kaju        920.0       5.0
3          Pista       1200.0      2.0
4          Cashew      700.0       5.0
5          Raisins     360.0       5.0
6          Dates        180.0      2.0
```

=====
PLACE YOUR ORDER

---

**When we start billing it asks product no, quantity ,and if you want to add one more product**

Project Java Application C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (12-Dec-2020, 4:50:58 pm)

Enter The Product No. Of The Product :

1

Quantity in number :

2

Do You Want To Order Another Product ? (y/n)

y

Enter The Product No. Of The Product :

2

Quantity in number :

1

Do You Want To Order Another Product ? (y/n)

n

Thank You For Placing The Order

\*\*\*\*\* INVOICE \*\*\*\*\*

Pr No.	Pr Name	Quantity	Price	Amount	Amount after discount
--------	---------	----------	-------	--------	-----------------------

1	Badam	2	720.0	1440.0	1368.0
---	-------	---	-------	--------	--------

2	Kaju	1	920.0	920.0	874.0
---	------	---	-------	-------	-------

TOTAL = 2242.0

**And when we enter no it generates the bill.**

**Now when we enter 2 in the main menu enter the administrator menu**

```
Project [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (12-Dec-2020)
MAIN MENU

01. billing

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3)
2

ADMIN MENU

1.CREATE PRODUCT

2.DISPLAY ALL PRODUCTS

3.SHOW SPECIFIC PRODUCTS

4.MODIFY PRODUCT

5.DELETE PRODUCT

6.BACK TO MAIN MENU
```

**When option 1 is clicked we can create a product, and it asks the product no,product name, and discount to be given.**

Please Enter Your Choice (1-6)

1

Please Enter The Product No. of The Product

7

Please Enter The Name of The Product

Chocolate

Please Enter The Price of The Product

120

Please Enter The Discount (%)

5

|

The Product Has Been Created

**When option 2 is clicked we can display all the products in the database**

Please Enter Your Choice (1-6)

2

DISPLAY ALL RECORD !!!

=====

P.NO.	NAME	PRICE	DIS
-------	------	-------	-----

=====

1	Badam	720.0	5.0
2	Kaju	920.0	5.0
3	Pista	1200.0	2.0
4	Cashew	700.0	5.0
5	Raisins	360.0	5.0
6	Dates	180.0	2.0
7	Chocolate	120.0	5.0

**When option 3 is clicked we can check for a specific product**

## ADMIN MENU

1.CREATE PRODUCT

2.DISPLAY ALL PRODUCTS

3.SHOW SPECIFIC PRODUCTS

4.MODIFY PRODUCT

5.DELETE PRODUCT

6.BACK TO MAIN MENU

Please Enter Your Choice (1-6)

3

Please Enter The Product No.

5

P.NO.

NAME

PRICE

DIS

=====

5

Raisins

360.0

5.0

**When option 4 is clicked,we can modify the product in the database**

```
1. ADD PRODUCT
2. DISPLAY PRODUCT
3. SEARCH PRODUCT
4. MODIFY PRODUCT
5. DELETE PRODUCT
6. BACK TO MAIN MENU

Please Enter Your Choice (1-6)
4

To Modify

Please Enter The Product No. of The Product
7

P.NO.          NAME          PRICE          DIS
=====
7            Chocolate        120.0         5.0

Please Enter The New Details of Product

Please Enter The Name of The Product
Chocos

Please Enter The Price of The Product
320

Please Enter The Discount (%)
5
| 

Record Updated
```

**When we select option 5, a product can be deleted from the database**

Project [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (12-Dec-2020)

```
=====
1      Badam        720.0      5.0
2      Kaju         920.0      5.0
3      Pista        1200.0     2.0
4      Cashew       700.0      5.0
5      Raisins      360.0      5.0
6      Dates         180.0      2.0
7      Chocos       320.0      5.0
```

Problems @ Javadoc Declaration Console

Project [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (12-Dec-2020)

Please Enter The product no. of The Product You Want To Delete

7

P.NO.	NAME	PRICE	DIS
7	Chocos	320.0	5.0

Record Deleted ..

The screenshot shows a Java application window with tabs for Problems, Javadoc, Declaration, and Console. The title bar indicates the project is a Java Application running on C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe on 12-Dec-2020 at 4:50. The main content displays a table of nut data:

P.NO.	NAME	PRICE	DIS
<hr/>			
1	Badam	720.0	5.0
2	Kaju	920.0	5.0
3	Pista	1200.0	2.0
4	Cashew	700.0	5.0
5	Raisins	360.0	5.0
6	Dates	180.0	2.0

**When we select option 6 we exit the admin menu**

The screenshot shows a Java application window with a main menu. The menu items are:

- MAIN MENU
- 01. billing
- 02. ADMINISTRATOR
- 03. EXIT

Below the menu, there is a text input field containing the number "6".

Please Enter Your Choice (1-6)

6

MAIN MENU

01. billing

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3)

**Now when select option 3 from the main menu, the program is terminated**

## CONCLUSION AND FUTURE ENHANCEMENT

- Better Database management.
- Admin can add, delete, modify , check the details of product.
- No need of maintenance regularly.
- Can create bills

### Future Enhancement

- Add staff details, expenses in the store, creating legers of the day, week , month ,year and other details of the store.
- Create a web application and make it available online.
- Managing input and output of the items in store.

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