

ONLINE SHOPPING SYSTEM

A MINI PROJECT REPORT

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ABSTRACT

This project is a JAVA based shopping system for an existing shop. The project objective is to deliver the online shopping application into android platform.

This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop. This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains.

If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipcart or ebay. Since the application is available in the Smartphone it is easily accessible and always available.

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CHAPTER 1

INTRODUCTION

This project is a JAVA based shopping system for an existing shop. The project objective is to deliver the online shopping application into android platform.

Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop

1.1 PROJECT OBJECTIVE:

The objective of the project is to make an application in android platform to purchase items in an existing shop. In order to build such an application complete web support need to be provided. A complete and efficient web application which can provide the online shopping experience is the basic objective of the project. The web application can be implemented in the form of an android application with web view.

1.2 PROJECT OVER VIEW:

The central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stores on an SQL at the server side (store).

The Server process the customers and the items are shipped to the address submitted by them. The application was designed into two modules first is for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the information pertaining to the articles and those of the customers. The end user of this product is a departmental store where the application is hosted on the web and the administrator maintains the database. The application which is deployed at the customer database, the details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction. Data entry into the application can be done through various screens designed for various levels of users. Once the authorized personnel feed the relevant data into the system, several reports could be generated as per the security.

1.3 PROJECT SCOPE:

This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains. The system recommends a facility to accept the orders 24*7 and a home delivery system which can make customers happy.

If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipcart or ebay. Since the application is available in the Smartphone it is easily accessible and always available.

1.4 STUDY OF THE SYSTEM

1.4.1 MODULES:

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are:

- Administrator
- Moderators
- Users

1.4.1.1 ADMINISTRATOR:

The administrator is the super user of this application. Only admin have access into this admin page. Admin may be the owner of the shop. The administrator has all the information about all the users and about all products.

This module is divided into different sub-modules.

1. Manage Moderators
2. Manage Products
3. Manage Users
4. Manage Orders

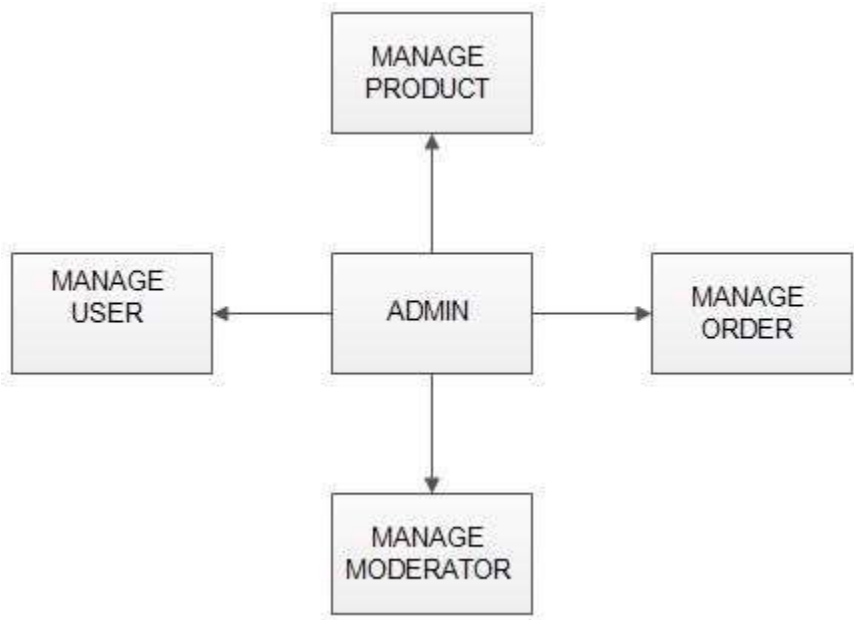


Fig 1.1: Admin module

MANAGE MODERATOR

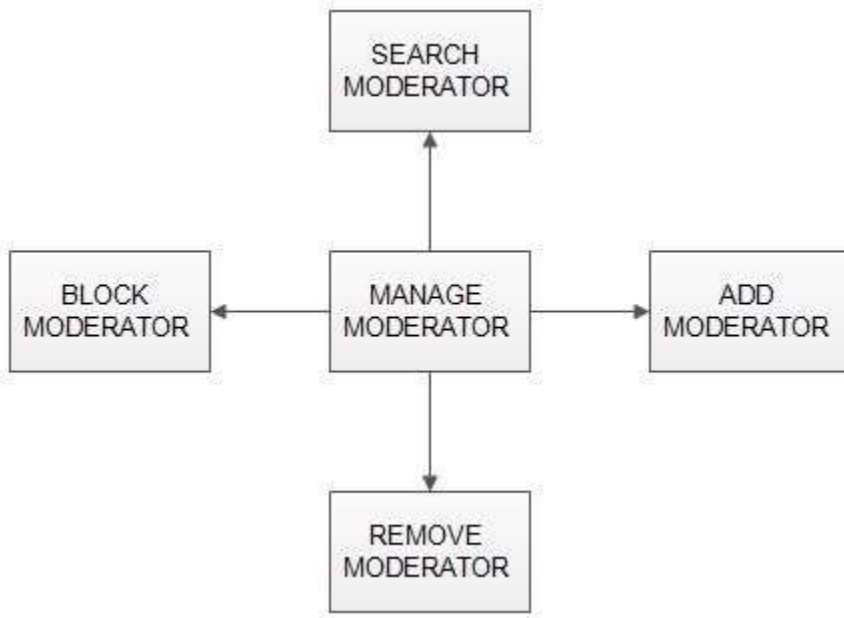


Fig 1.2: Manage Moderator

➤ Add Moderator

Only admin is having the privilege to add a moderator. A moderator can be considered as a staff who manages the orders or owner of a group of products.

➤ Block moderator

Admin can restrict a moderator from managing the orders by blocking them. Admin can unblock a blocked user if needed.

➤ Remove Moderator

Admin has privilege to delete a moderator who was added.

➤ Search moderator:

All existing moderators can be viewed by the administrator as a list. If there is number of moderators and admin need to find one of them, the admin can search for a moderator by name.

MANAGE PRODUCTS

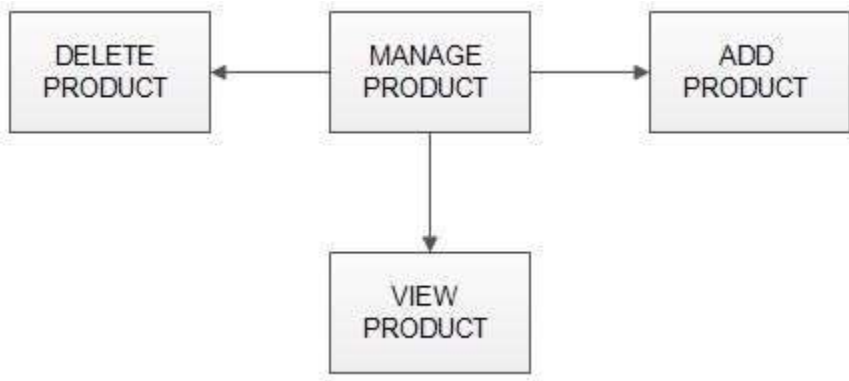


Fig 1.3: Manage Products

➤ Add Products

The shopping cart project contains different kind of products. The products can be classified into different categories by name. Admin can add new products into the existing system with all its details including an image.

➤ Delete Products

Administrator can delete the products based on the stock of that particular product.

➤ Search products

Admin will have a list view of all the existing products. He can also search for a particular product by name.

MANAGE USER

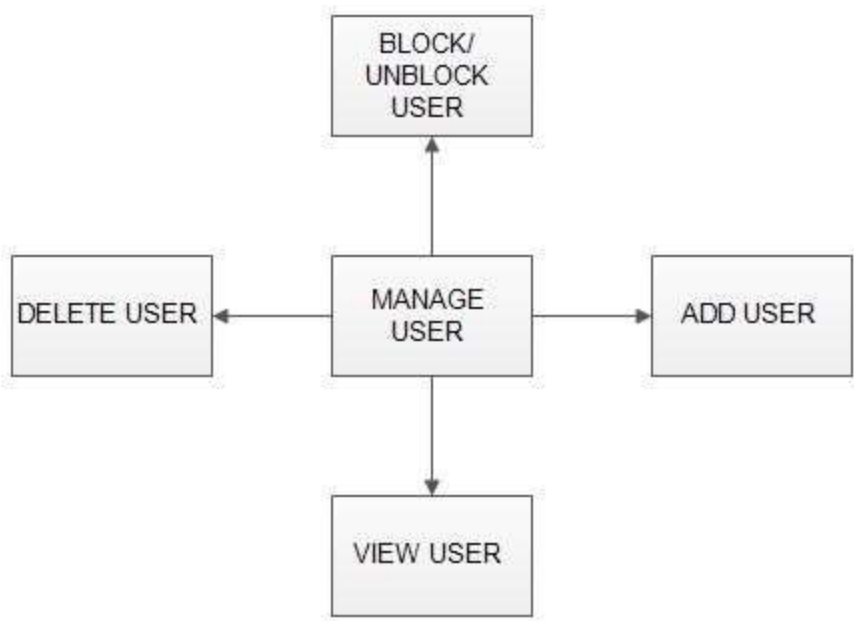


Fig 1.4: Manage User

➤ View Users

The admin will have a list view of all the users registered in the system. Admin can view all the details of each user in the list except password.

➤ Add Users

Admin has privileges to add a user directly by providing the details.

➤ Delete &Block Users

Administrator has a right to delete or block a user. The default status of a new user registered is set as blocked. The admin must accept the new user by unblocking him.

MANAGE ORDERS



Fig 1.5: Manage Orders

➤ View Order

Administrator can view the Orders which is generated by the users. He can verify the details of the purchase.

➤ Delete order

Admin can delete order from the orders list when the product is taken for delivery.

1.4.1.2 MODERATORS

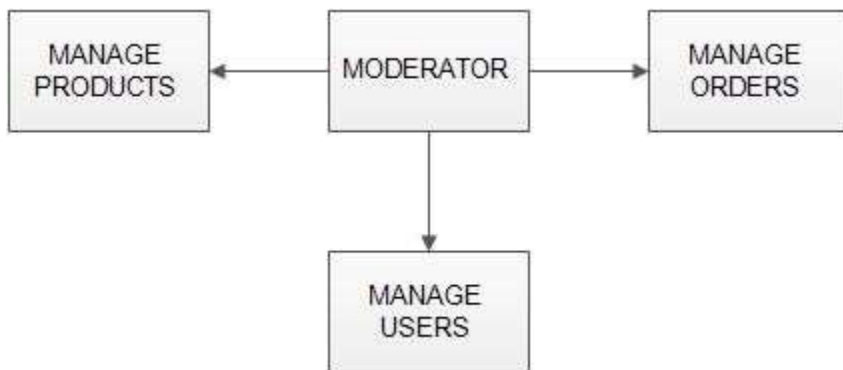


Fig 1.6: Moderator Module

A moderator is considered as a staff who can manage orders for the time being. As a future update moderator may give facility to add and manage his own products . Moderators can reduce the work load of admin. Now moderator has all the privilege an admin having except managing other

moderators. He can add products and users. He can also check the orders and edit his profile.

- Manage products
- Manage users
- Manage orders

1.4.1.3 USERS

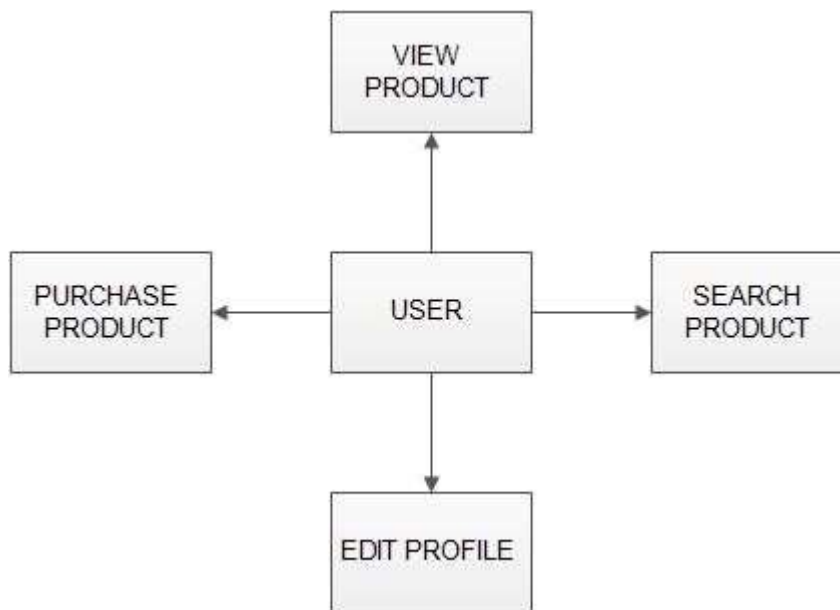


Fig 1.7: User Module

- Registration

A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

➤ Login

A user must login with his user name and password to the system after registration.

➤ View Products

User can view the list of products based on their names after successful login. A detailed description of a particular product with product name, products details, product image, price can be viewed by users.

➤ Search Product

Users can search for a particular product in the list by name.

➤ Add to cart:

The user can add the desired product into his cart by clicking add to cart option on the product.

He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove.

➤ Submit Cart:

After confirming the items in the cart the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty.

➤ History

In the history the user will have a view of pending orders.

➤ Edit Profile

The user can view and edit the profile.

CHAPTER 2

SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problems and using the information to recommend improvements on the system. System analysis is a problem solving activity that requires intensive communication between the system users and system developers.

System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

2.1 EXISTING SYSTEM

The current system for shopping is to visit the shop manually and from the available product choose the item customer want and buying the item by payment of the price of the item .

1. It is less user-friendly.

2. User must go to shop and select products.
3. It is difficult to identify the required product.
4. Description of the product limited.
5. It is a time consuming process
6. Not in reach of distant users.

2.2 PROPOSED SYSTEM

In the proposed system customer need not go to the shop for buying the products. He can order the product he wish to buy through the application in his Smartphone. The shop owner will be admin of the system. Shop owner can appoint moderators who will help owner in managing the customers and product orders. The system also recommends a home delivery system for the purchased products.

2.3 SYSTEM REQUIREMENT SPECIFICATION

2.3.1 GENERAL DESCRIPTION

Product Description:

The system consists of two parts .A web application which can provide the online shopping service and an android application for the customer to

access the web service from his Smartphone. Web application should be able to help the customer for selecting his item and to help the owner in managing the orders from the customers.

Problem Statement:

As online shopping became a trend nowadays the regular shops are losing their customers to online brands. Customers have effortless shopping experience and saving time through shopping online. For competing with those online brands , If shops are providing an online portal where their customers can shop through internet and get the products at their doors it will increase the number of customers.

2.3.2 SYSTEM OBJECTIVES

- To provide an android application for online shopping of products in an existing shop.
- To provide a online shopping web site for the same shop.

2.3.3 SYSTEM REQUIREMENTS

2.3.3.1 NON FUNCTIONAL REQUIREMENTS

i. EFFICIENCY REQUIREMENT

When an online shopping cart android application implemented customer can purchase product in an efficient manner.

ii. RELIABILITY REQUIREMENT

The system should provide a reliable environment to both customers and owner. All orders should be reaching at the admin without any errors.

iii. USABILITY REQUIREMENT

The android application is designed for user friendly environment and ease of use.

iv. IMPLEMENTATION REQUIREMENT

Implementation of the system using css and html in front end with jsp as back end and it will be used for database connectivity. And the database part is developed by mysql. Responsive web designing is used for making the website compatible for any type of screen.

v. DELIVERY REQUIREMENT

The whole system is expected to be delivered in four months of time with

a weekly evaluation by the project guide.

2.3.3.2 FUNCTIONAL REQUIREMENTS

USER

➤ USER LOGIN_

Description of feature

This feature used by the user to login into system. A user must login with his user name and password to the system after registration. If they are invalid, the user not allowed to enter the system.

Functional requirement

- Username and password will be provided after user registration is confirmed.
- Password should be hidden from others while typing it in the field

➤ REGISTER NEW USER_

Description of feature

A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

Functional requirement

- System must be able to verify and validate information.
- The system must encrypt the password of the customer to provide security.
- PURCHASING AN ITEM.

Description of feature

The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove. After confirming the items in the cart the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty.

Functional requirement

- System must ensure that, only a registered customer can purchase items.

ADMIN

➤ **MANAGE USER.**

Description of feature

The administrator can add user, delete user, view user and block user.

➤ **MANAGE MODERATOR.**

Description of feature

The administrator can add moderator, delete moderator, block moderator and search for a moderator.

➤ **MANAGE PRODUCTS.**

Description of feature

The administrator can add product, delete product and view product.

➤ **MANAGE ORDERS.**

Description of feature

The administrator can view orders and delete orders.

Functional requirements

-The system must identify the login of the admin.

-Admin account should be secured so that only owner of the shop can access that account

MODERATOR

Description of features

A moderator is considered as a staff who can manage orders for the time being. As a future update moderator may give facility to add and manage his own products. Moderators can reduce the work load of admin. Now moderator has all the privilege of an admin having except managing other moderators. He can manage users and manage products. He can also check the orders and edit his profile.

Functional requirement

-The system must identify the login of a moderator.

CHAPTER 3

SYSTEM DESIGN

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. It emphasis on translating design. Specifications to performance specification. System design has two phases of development

- Logical design
- Physical design

During logical design phase the analyst describes inputs (sources), output s(destinations), databases (data sores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify

exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform

necessary processing on accepted data and produce the required report on a hard copy or display it on the screen.

3.1 INPUT AND OUTPUT DESIGN

3.1.1 INPUT DESIGN:

Input design is the link that ties the information system into the world of its users. The input design involves determining the inputs, validating the data, minimizing the data entry and provides a multi-user facility. Inaccurate inputs are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by input design. The user-originated inputs are converted to a computer based format in the input design. Input data are collected and organized into groups of similar data. Once identified, the appropriate input media are selected for processing. All the input data are validated and if any data violates any conditions, the user is warned by a message. If the data satisfies all the conditions, it is transferred to the appropriate tables in the database. In this project the student details are to be entered at the time of registration. A page is designed for this purpose which is user friendly and easy to use. The design is done such that users get appropriate messages when exceptions occur.

3.1.2 OUTPUT DESIGN:

Computer output is the most important and direct source of information to the user. Output design is a very important phase since the output needs to be in an efficient manner. Efficient and intelligible output design improves the system relationship with the user and helps in decision making. Allowing the user to view the sample screen is important because the user is the ultimate judge of the quality of output. The output module of this system is the selected notifications.

3.2 DATABASE

DATABASE DESIGN:

Databases are the storehouses of data used in the software systems. The data is stored in tables inside the database. Several tables are created for the manipulation of the data for the system. Two essential settings for a database are

- **Primary Key**- the field that is unique for all the record occurrences.
- **Foreign Key**-the field used to set relation between tables.

Normalization is a technique to avoid redundancy in the tables.

3.3 SYSTEM TOOLS

The various system tools that have been used in developing both the front end and the back end of the project are being discussed in this chapter.

3.3.1.FRONT END:

computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side

Java is a **programming language** and a **platform**. Java is a high level, robust, object-oriented and secure programming language.

Java was developed by *Sun Microsystems* (which is now the subsidiary of Oracle) in the year 1995. *James Gosling* is known as the father of Java. Before Java, its name was *Oak*. Since Oak was already a registered company, so James Gosling and his team changed the Oak name to Java.

Platform: Any hardware or software environment in which a program runs, is known as a platform. Since Java has a runtime environment (JRE) and API, it is called a platform.

Android

The application is delivered to customer through an android application. So android platform is used to develop the user application.

3.3.2 BACK END

The back end is implemented using MySQL which is used to design the databases.

MySQL

MySQL is the world's second most widely used open-source xamp. The SQL phrase stands for Structured Query Language.

3.4 TABLES

➤ LOGIN/SIGNUP

Server: 127.0.0.1 » Database: shopping » Table: signup

Browse Structure SQL Search Insert Export Import Privileges Operations

✓ Showing rows 0 - 2 (3 total, Query took 0.0014 seconds.)

```
SELECT * FROM `signup`
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Name	Mobile no	DOB	Gender	City	Password
<input type="checkbox"/>	Edit	Copy	Delete	Divya	9954452301	2014-05-13	female	chennai	345
<input type="checkbox"/>	Edit	Copy	Delete	rathi	9344444796	0200-12-09	female	madurai	89998
<input type="checkbox"/>	Edit	Copy	Delete	santhi	9954452301	2014-05-11	female	namakal	899

↑ ☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Fig 3.1: USER DETAILS

➤ PRODUCT DETAILS

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total. Query took 0.0054 seconds.) [stock: 10... - 0...]

`SELECT * FROM 'stocks' ORDER BY 'stock' DESC`

☐ Show all | Number of rows: 25 | Filter rows: Search this table

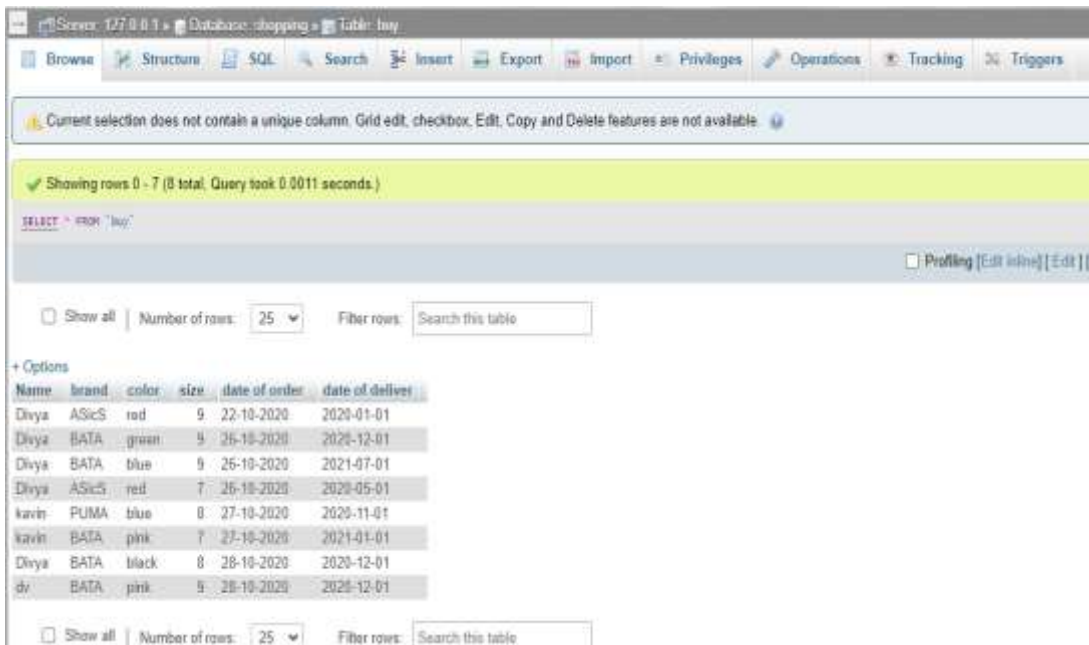
Options

brand	stock
SKECHERS	10
Adidas	10
PUMA	9
ASICS	9
BATA	0

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Fig 3.3: Product Details Table

➤ PRODUCT ORDERS



Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 7 (8 total, Query took 0.0011 seconds.)

SELECT * FROM "buy";

Profiling [Edit inline] [Edit]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

Name	brand	color	size	date of order	date of delivery
Divya	ASICS	red	9	22-10-2020	2020-01-01
Divya	BATA	green	9	26-10-2020	2020-12-01
Divya	BATA	blue	9	26-10-2020	2021-07-01
Divya	ASICS	red	7	26-10-2020	2020-05-01
kavin	PUMA	blue	8	27-10-2020	2020-11-01
kavin	BATA	pink	7	27-10-2020	2021-01-01
Divya	BATA	black	8	28-10-2020	2020-12-01
dv	BATA	pink	9	28-10-2020	2020-12-01

Show all | Number of rows: 25 | Filter rows: Search this table

Fig 3.4: Product Orders table

ADD TO CART

Online Shopping System

Server: 127.0.0.1 » Database: shopping » Table: addcart

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✔ Showing rows 0 - 0 (1 total, Query took 0.0014 seconds.)

```
SELECT * FROM `addcart`
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

Name	brand	color	size
dv	BATA	black	8

☐ Show all | Number of rows: 25 ▼ Filter rows:

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

Bookmark this SQL query

3.5 E-R DIAGRAMS

➤ LOGIN

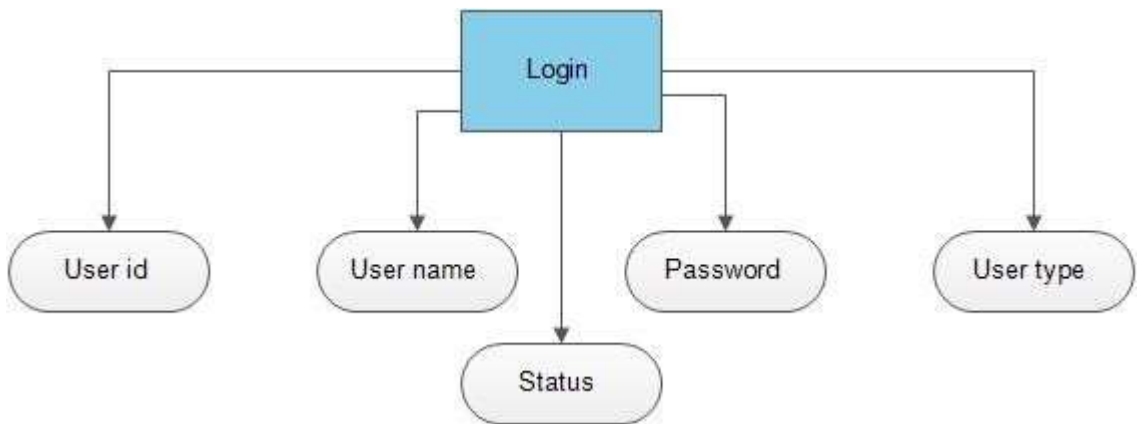


Fig 3.5: Login

➤ USER DETAILS

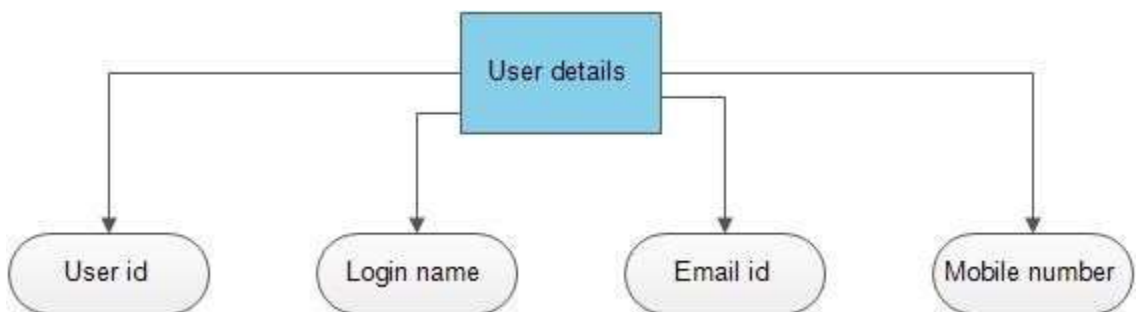


Fig 3.6: User Details

➤ PRODUCT DETAILS

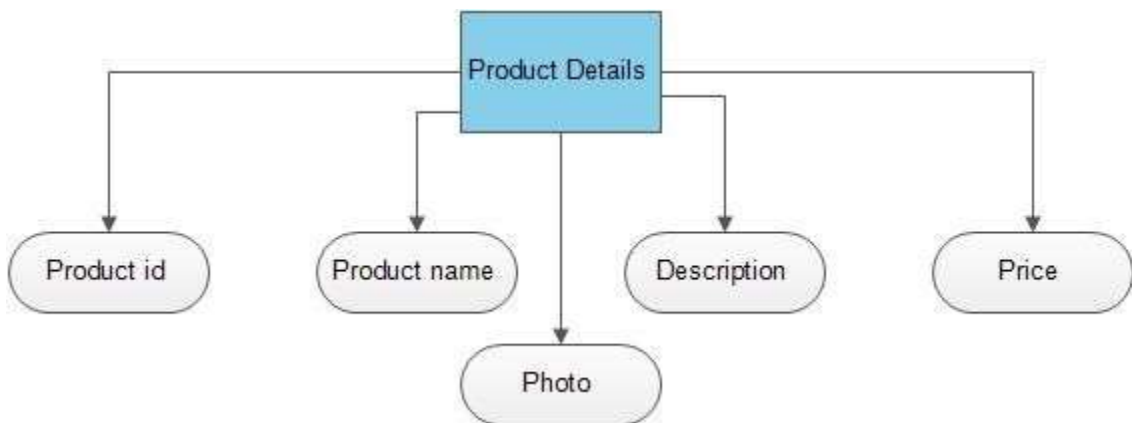


Fig 3.7: Product Details

➤ PRODUCT ORDERS

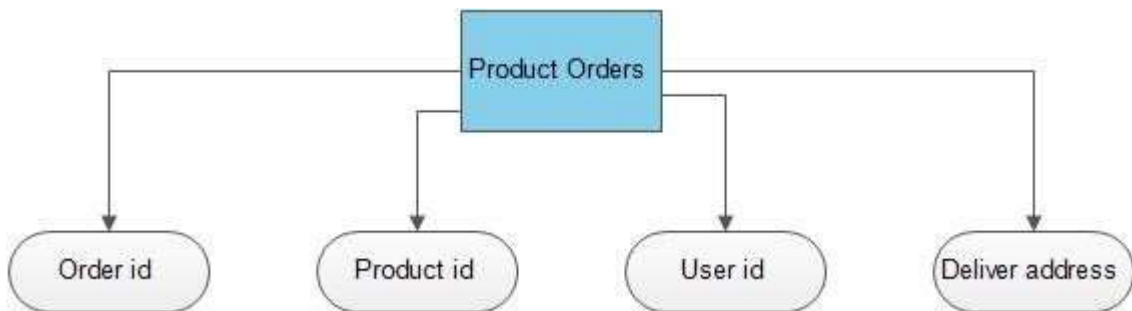


Fig 3.8: Product Orders

➤ COMPLETE DIAGRAM

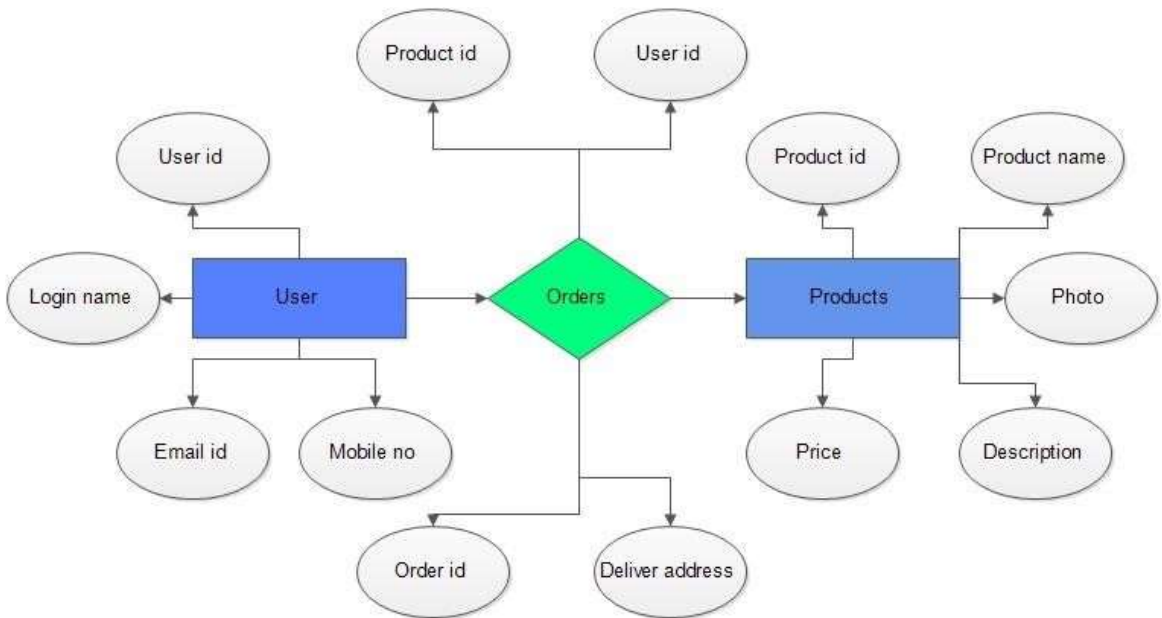


Fig 3.9: Complete Diagram

3.6 DATA FLOW DIAGRAM

A Data Flow Diagram (DFD) is a structured analysis and design tool that can be used for flowcharting. A DFD is a network that describes the flow of data and the processes that change or transform the data throughout a system. This network is constructed by using a set of symbols that do not imply any physical implementation. It has the purpose of clarifying system

requirements and identifying major transformations. So it is the starting point of the design phase that functionally decomposes the requirements specifications down to the lowest level of detail. DFD can be considered to an abstraction of the logic of an information-oriented or a process-oriented system flow-chart. For these reasons DFD's are often referred to as logical data flow diagrams.

EXTERNAL ENTITY

An external entity is a source or destination of a data flow. Only those entities which originate or receive data are represented on a data flow diagram. The symbol used is a rectangular box.

PROCESS

A process shows a transformation or manipulation of data flow within the system. The symbol used is an oval shape.

DATAFLOW

The data flow shows the flow of information from a source to its destination. Data flow is represented by a line, with arrowheads showing the direction of flow. Information always flows to or from a process and may be written, verbal or electronic. Each data flow may be referenced by the processes or data stores at its head and tail, or by a description of its contents.

DATA STORE

A data store is a holding place for information within the system: It is represented by an open ended narrow rectangle. Data stores may be long-term files such as sales ledgers, or may be short-term accumulations: for example batches of documents that are waiting to be processed. Each data store should be given a reference followed by an arbitrary number.

➤ LOGIN DFD

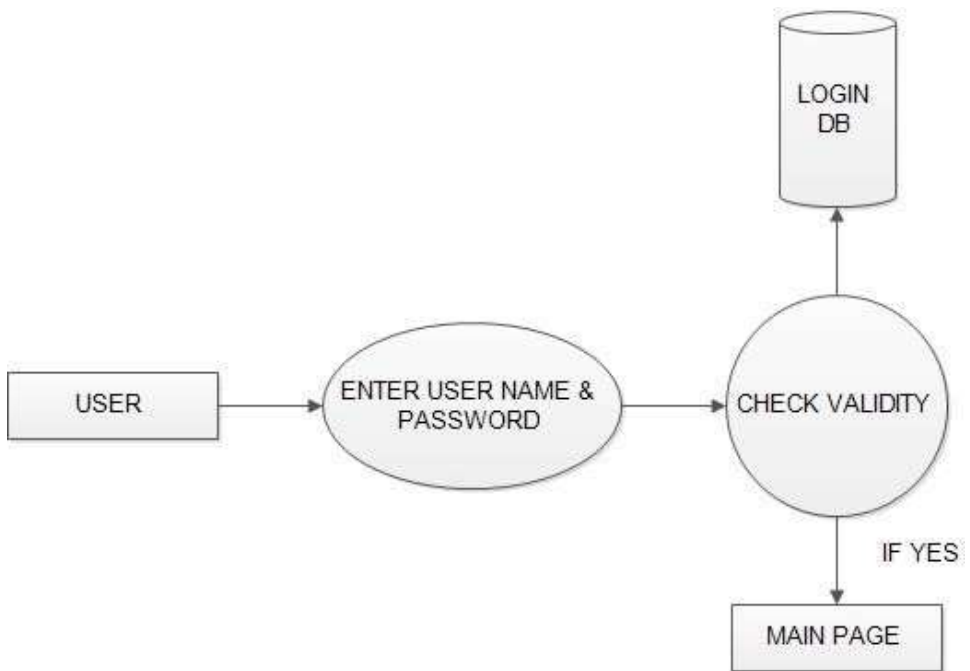


Fig 3.10: Login DFD

➤ REGISTRATION DFD

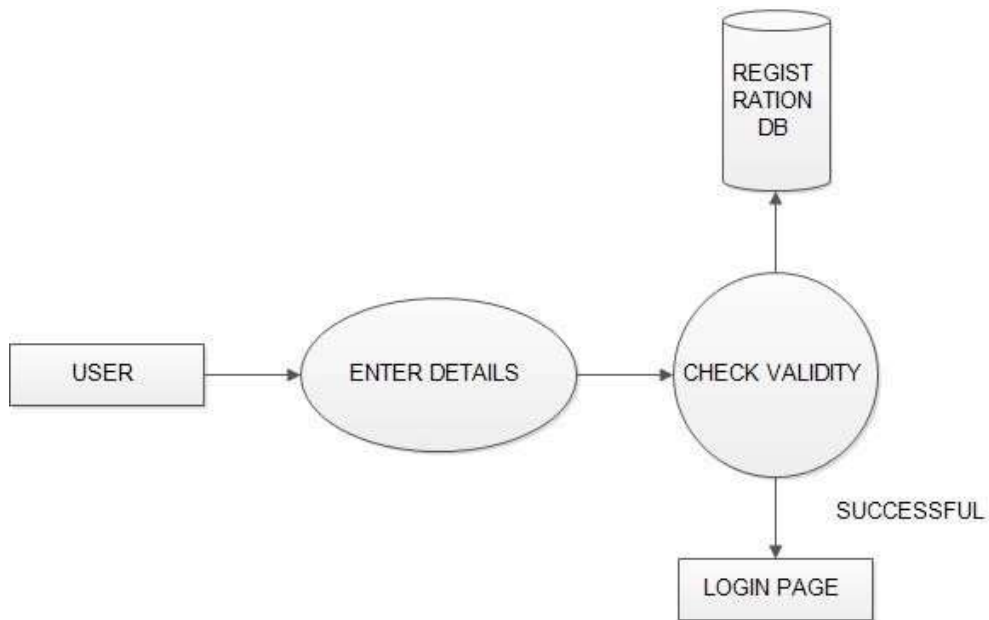


Fig 3.11: Registration DFD

➤ ADMIN DFD

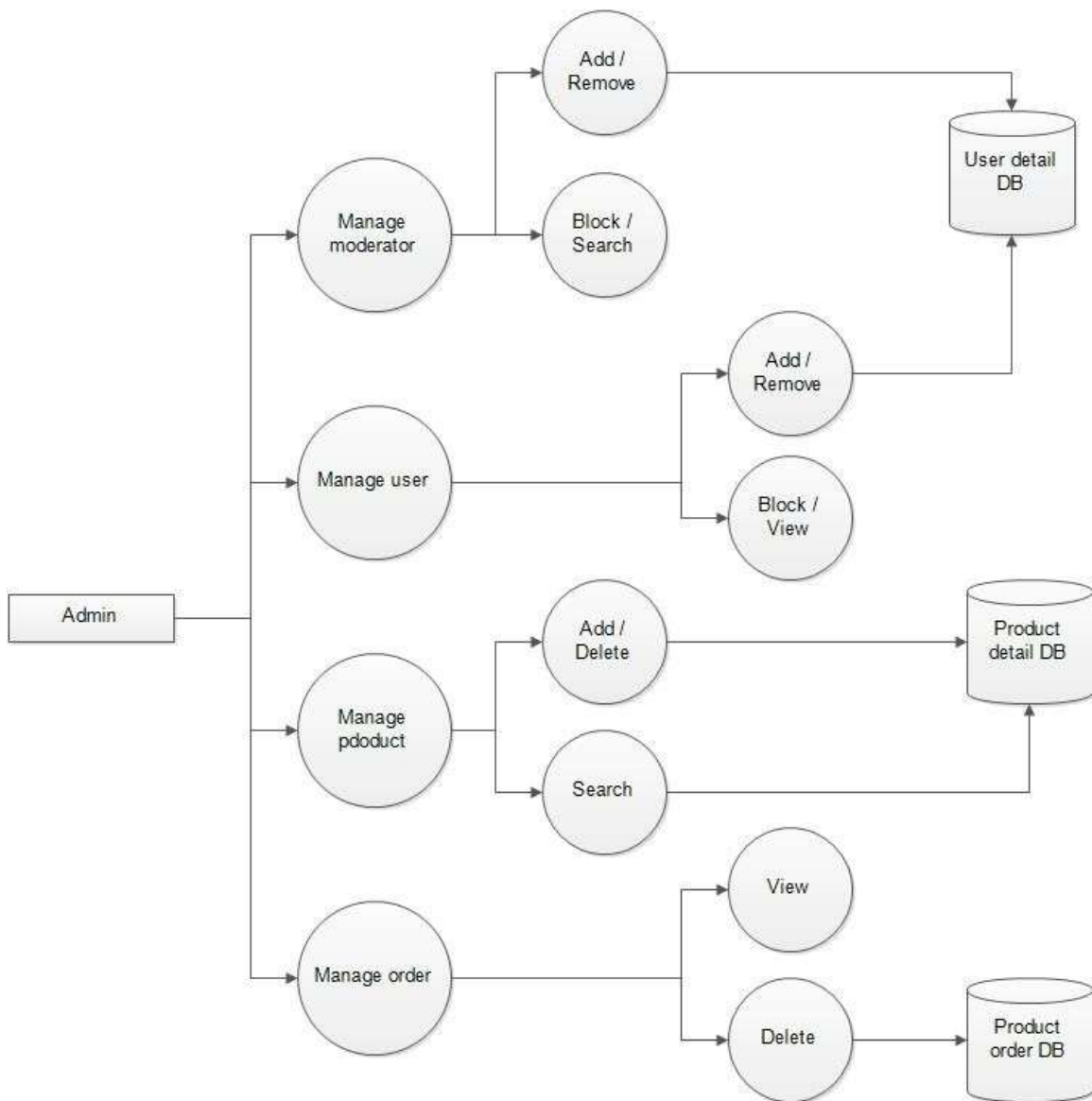


Fig 3.12: Admin DFD

➤ MODERATOR DFD

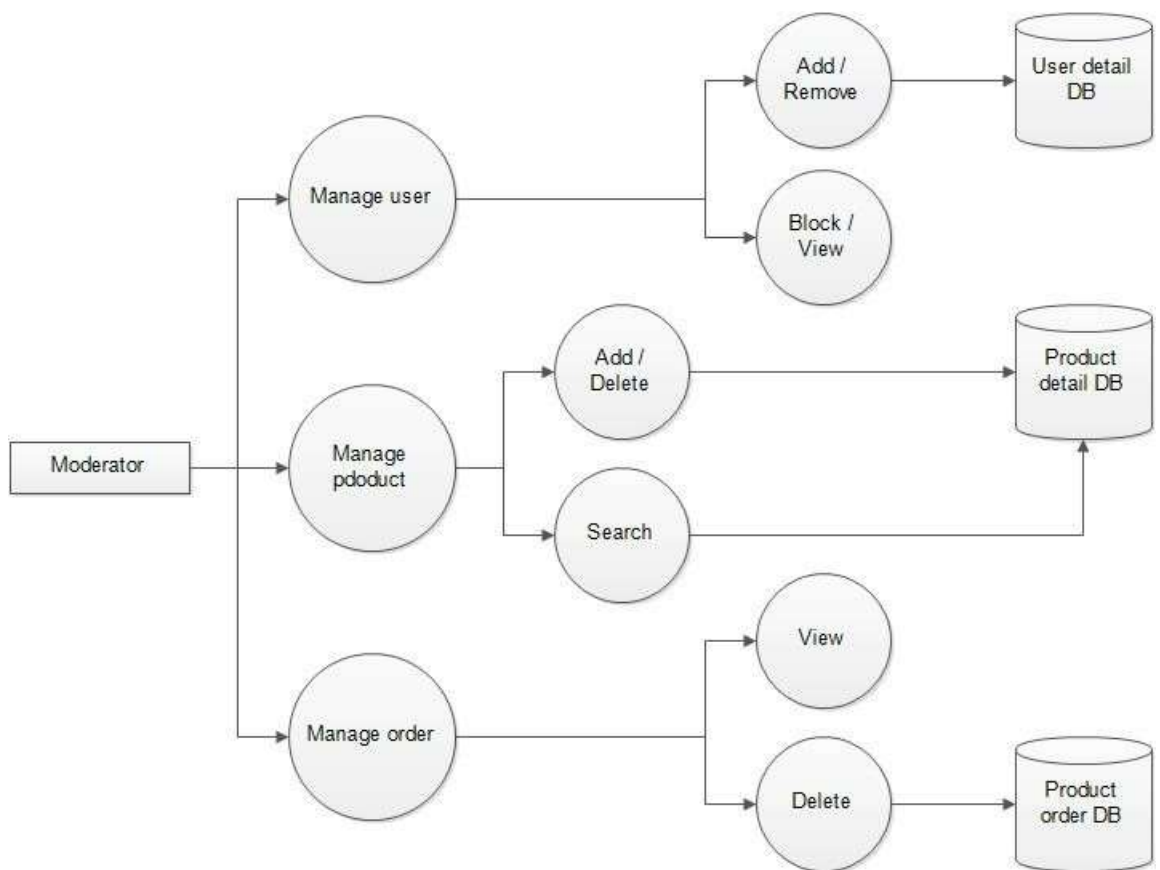
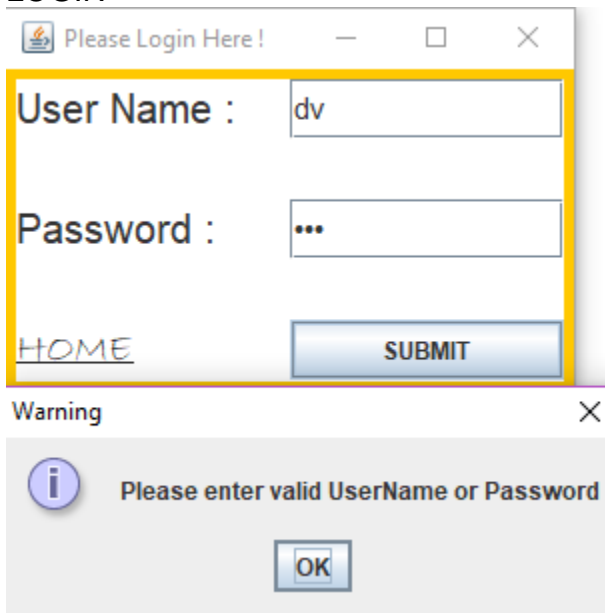


Fig 3.13: Moderator DFD

3.7 SCREEN SHOTS

➤ LOGIN



The image shows two overlapping windows from a web application. The top window, titled "Please Login Here!", has a yellow border and contains two input fields: "User Name :" with the text "dv" and "Password :" with three dots. Below these fields are a "HOME" link and a "SUBMIT" button. The bottom window, titled "Warning", has a grey background and displays an information icon, the text "Please enter valid UserName or Password", and an "OK" button.



SIGN UP

Name

Mobile

Gender ☐ Male ☐ Female

DOB

City

Password

☐ By agree the T&C Privacy Policy

[FORGET PASSWORD](#)

Online Shopping System

The screenshot displays a web application interface for an online shopping system. The background features a close-up of a yellow flower with water droplets. The main heading is "Online shopping" in a white, cursive font. Below the heading, there are two primary forms: a registration form on the left and a login form on the right. The registration form includes fields for Name, Mobile, Gender (Male/Female), DOB (Day/Month/Year), City, and Password. It also has a checkbox for "By agree the T&C Privacy Policy" and "Submit" and "Clear" buttons. The login form includes fields for "User Name" and "mobile no" and a "SUBMIT" button. A "LOGIN" button is also visible. A "Forgot Password" link is present below the login form. A "SIGN UP" button is located at the bottom center of the registration form area.

Online shopping

By agree the T&C Privacy Policy

Submit Clear

LOGIN

Forgot Password

SIGN UP

Forgot or password!

User Name :

mobile no :

SUBMIT

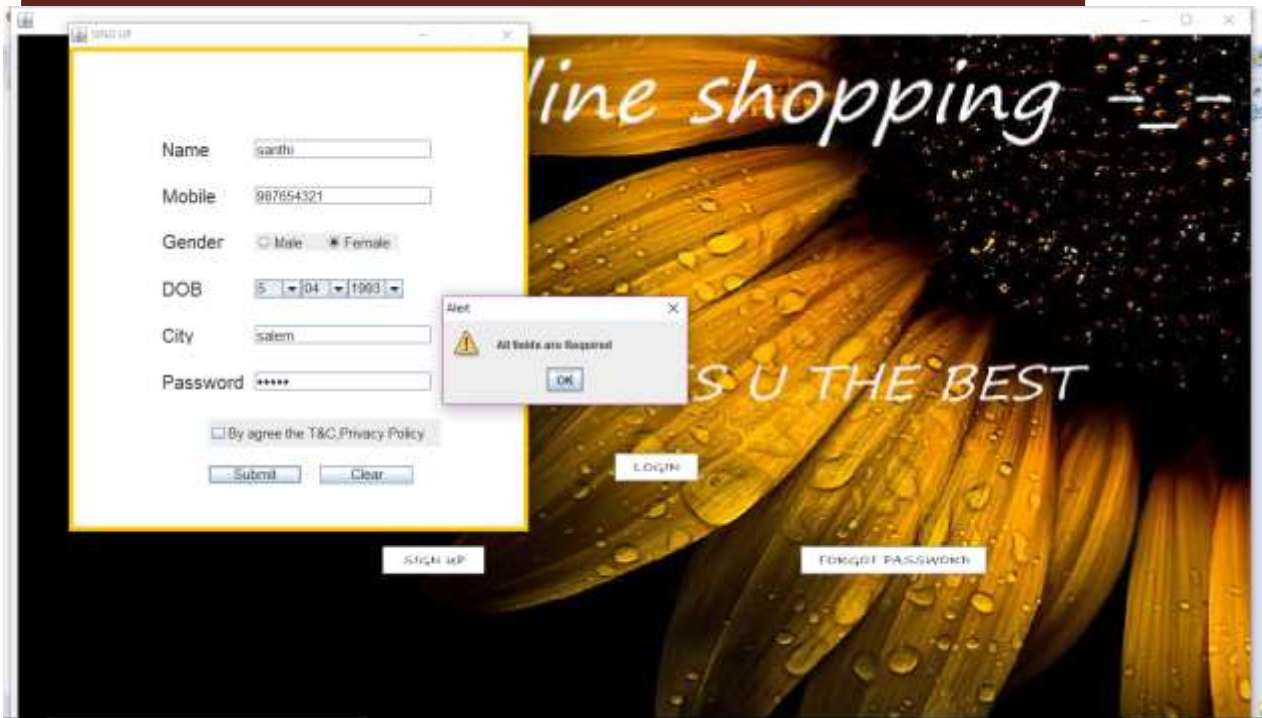
Online Shopping System

The screenshot shows a web browser window displaying an online shopping system interface. The background features a close-up of yellow flower petals with water droplets. The text "Online shopping" is written in a large, white, cursive font at the top. Below it, the phrase "GIVE YOU THE BEST" is partially visible in a white, sans-serif font. A white registration form is overlaid on the left side of the page. The form contains the following fields and controls:

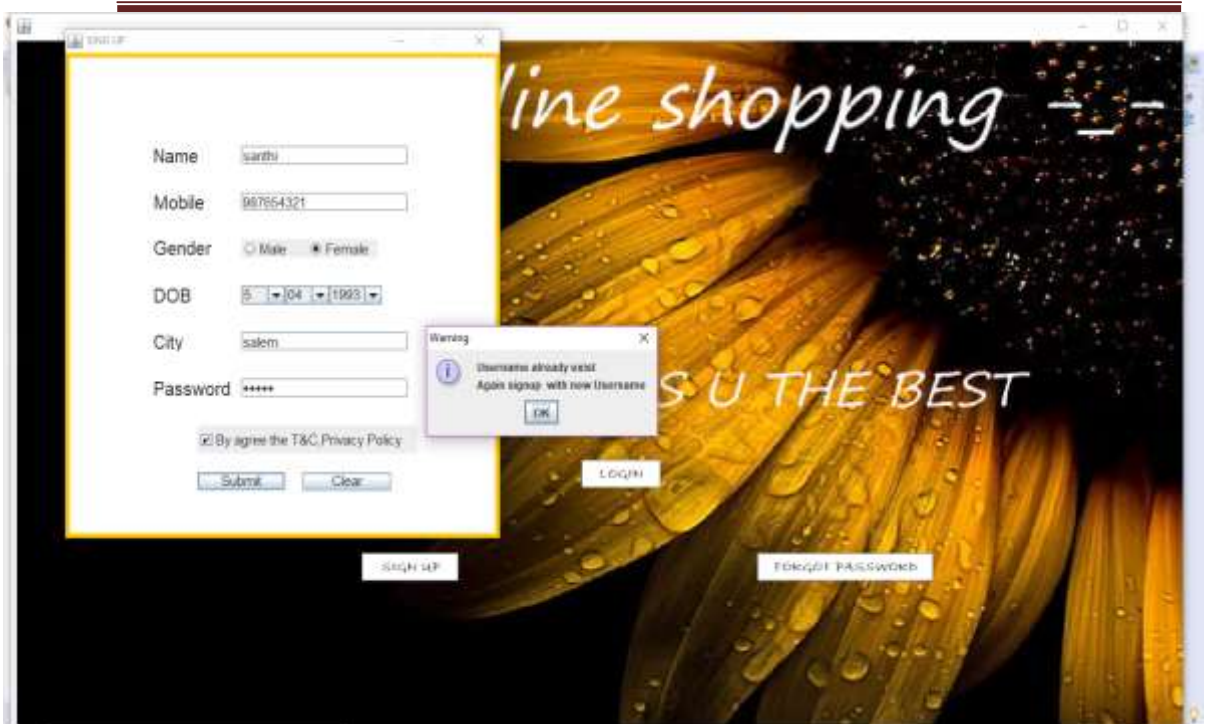
- Name:
- Mobile:
- Gender: ☐ Male ☐ Female
- DOB:
- City:
- Password:
- ☐ By agree the T&C Privacy Policy
-

Below the registration form, there is a button. In the center of the page, there is a button. At the bottom right, there is a button. An alert dialog box is displayed in the center of the screen, with the title "Alert" and the message "All fields are Required". The dialog box has a yellow warning icon and an button.

Online Shopping System



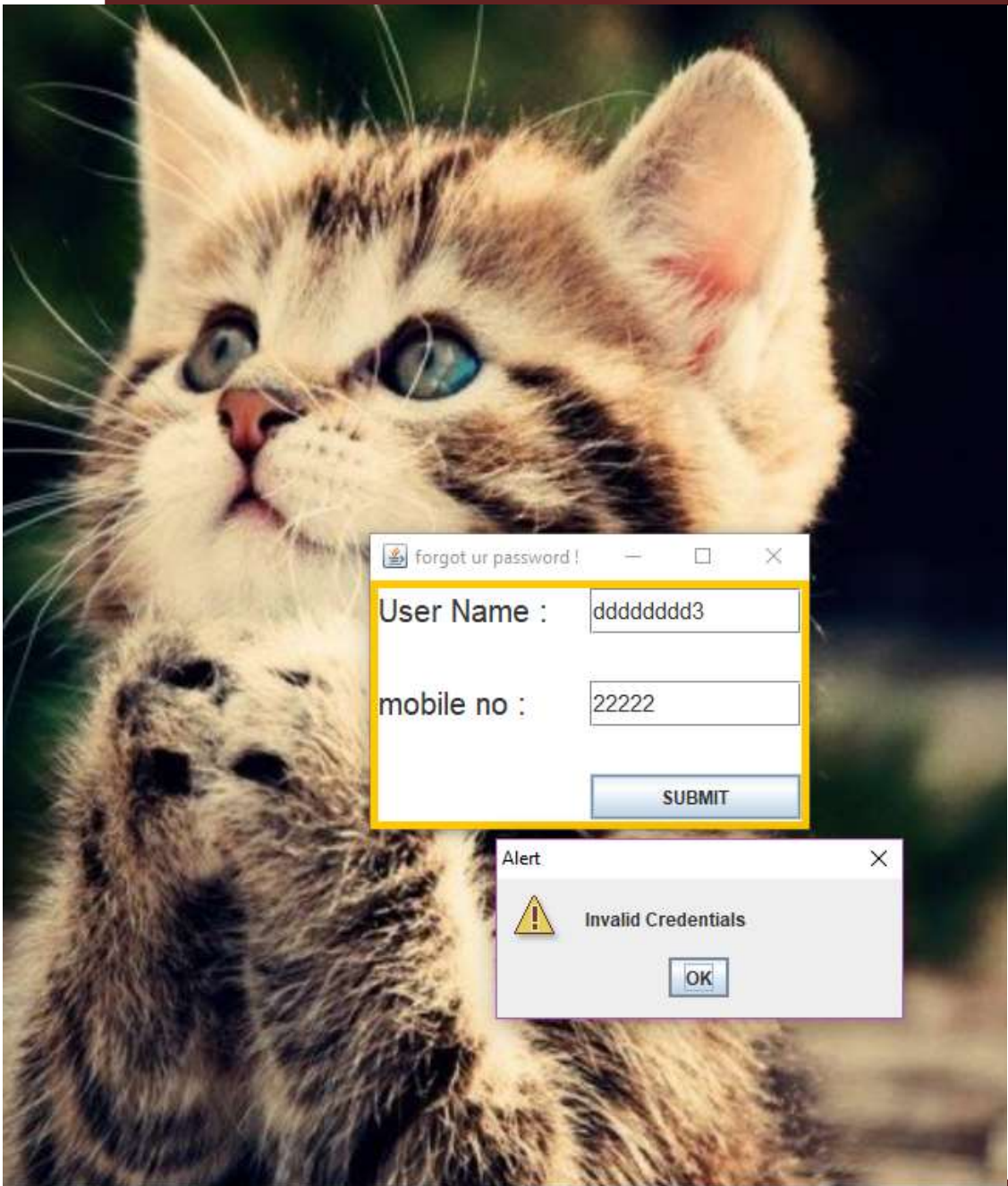
Online Shopping System



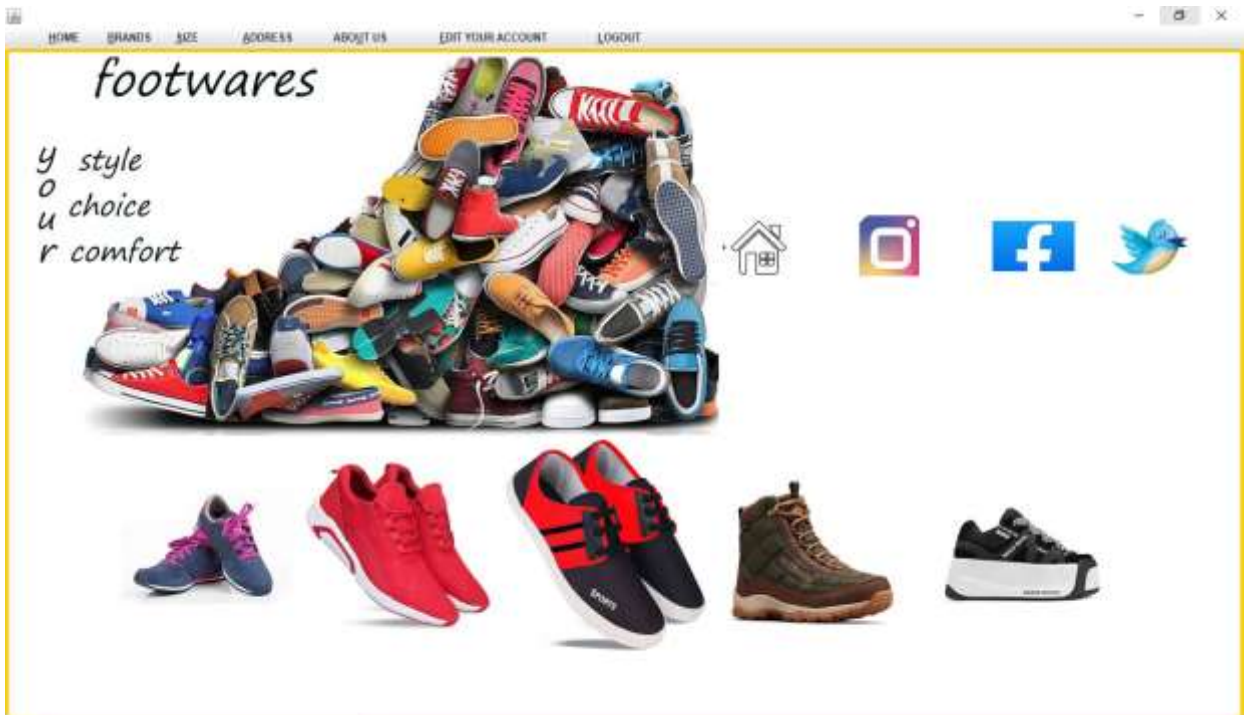
The screenshot shows a web browser window displaying a registration form for an online shopping system. The background of the page features a close-up image of yellow flower petals with water droplets. The registration form is a white box with a yellow border. It contains the following fields and controls:

- Name:** A text input field containing the value "sara".
- Mobile:** A text input field containing the value "987654321".
- Gender:** Two radio buttons labeled "Male" and "Female", with "Female" selected.
- DOB:** A date picker showing "4" for the month, "10" for the day, and "1990" for the year.
- City:** A text input field containing the value "salom".
- Password:** A text input field with masked characters "***".
- Agreement:** A checkbox labeled "By agree the T&C Privacy Policy" which is checked.
- Buttons:** "Submit" and "Clear" buttons at the bottom of the form.

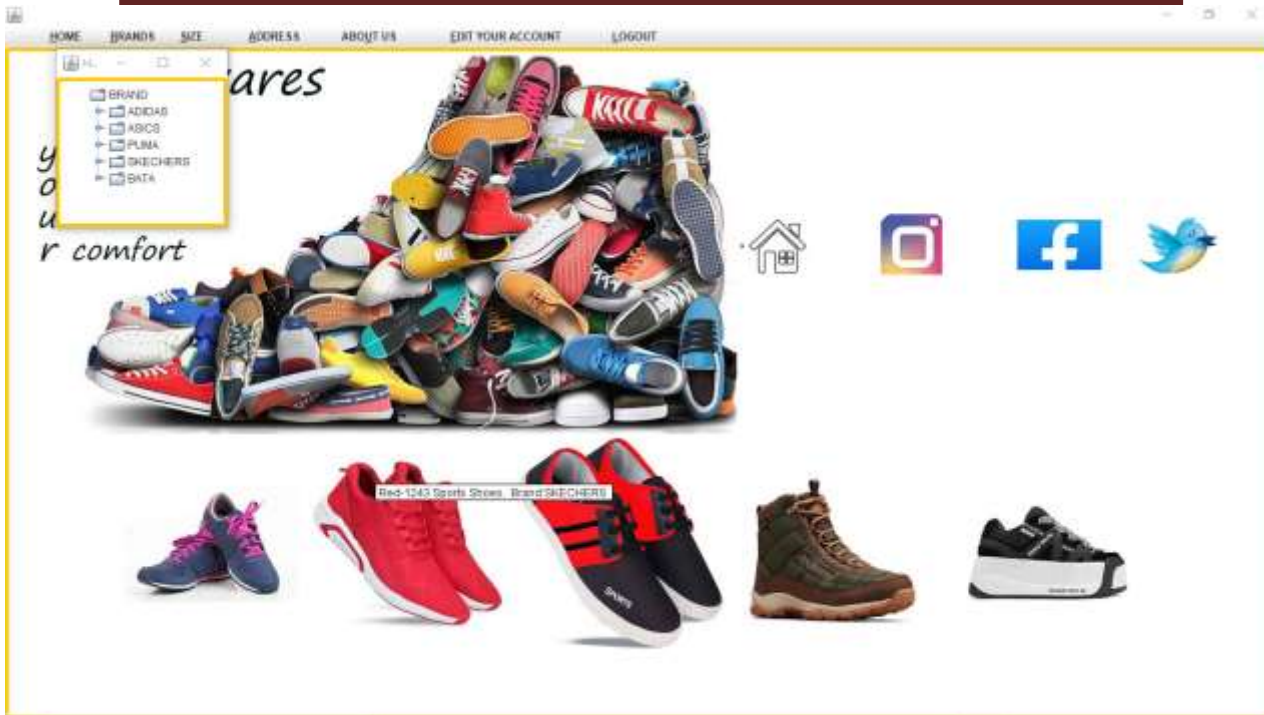
A small "Message" dialog box is overlaid on the form, displaying an information icon, the text "Successfully Submitted Please Login", and an "OK" button. Below the form, there is a "FORGET PASSWORD" link.



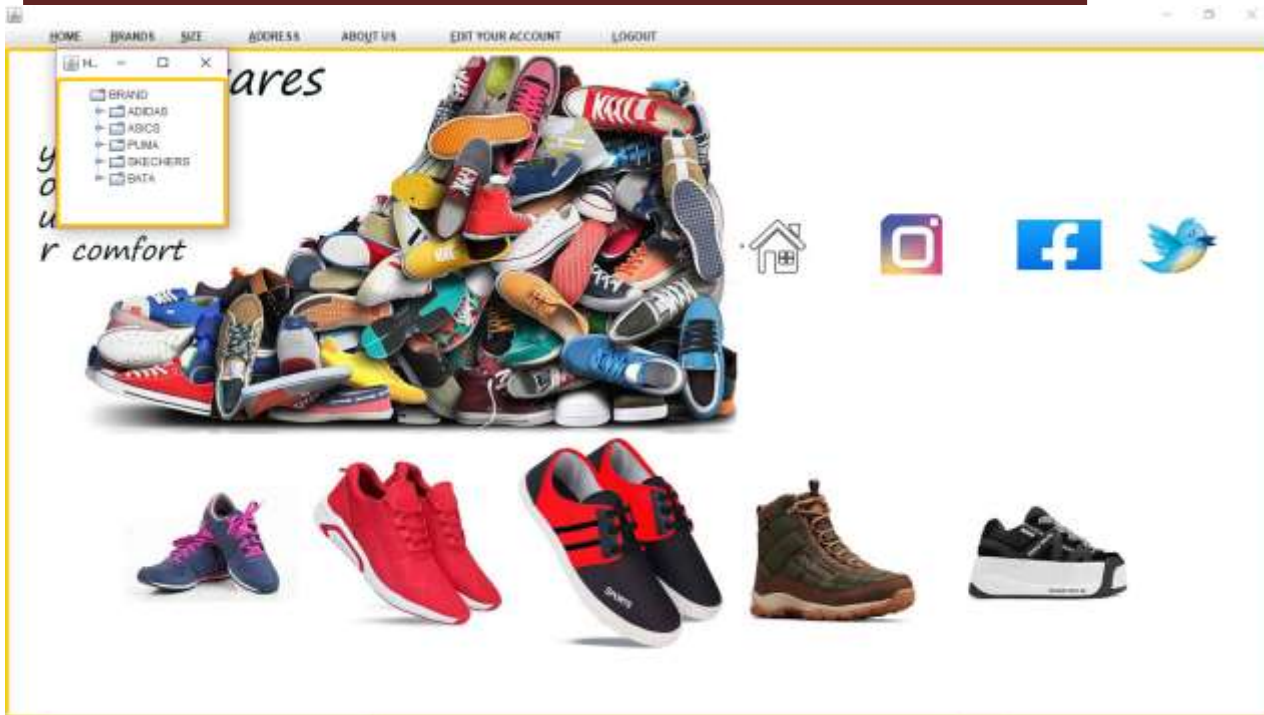
➤ HOME



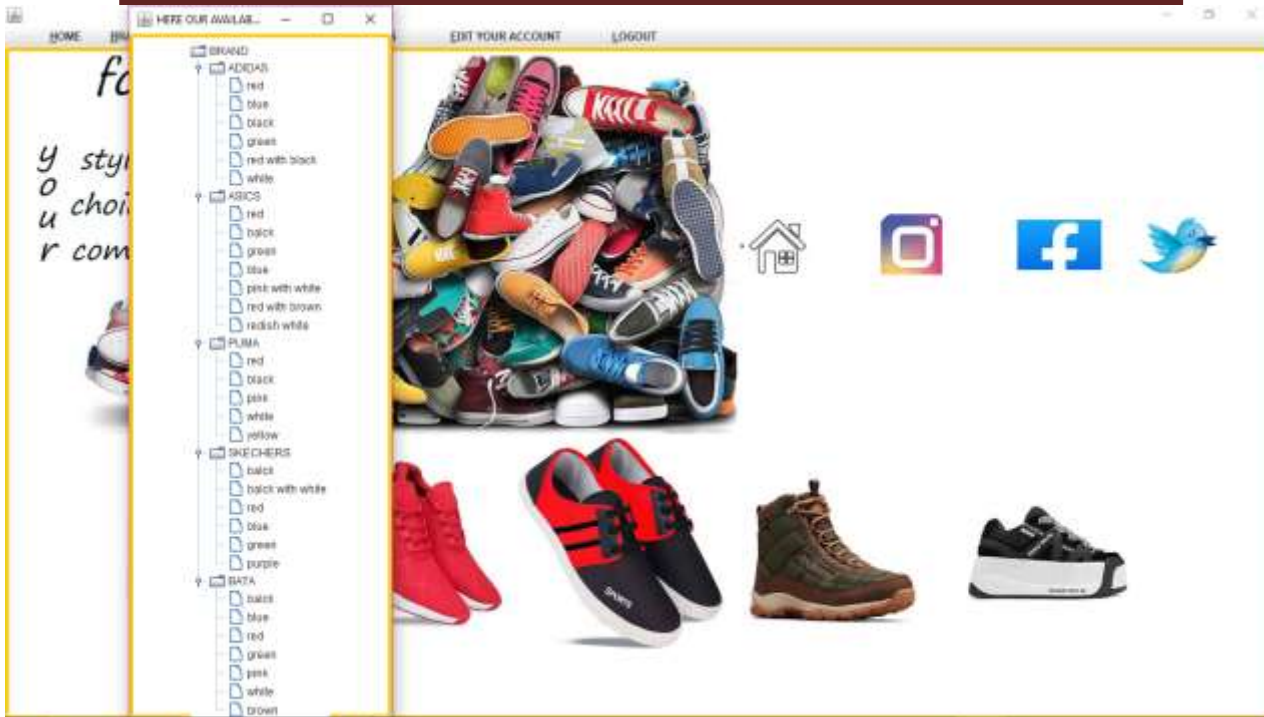
Online Shopping System



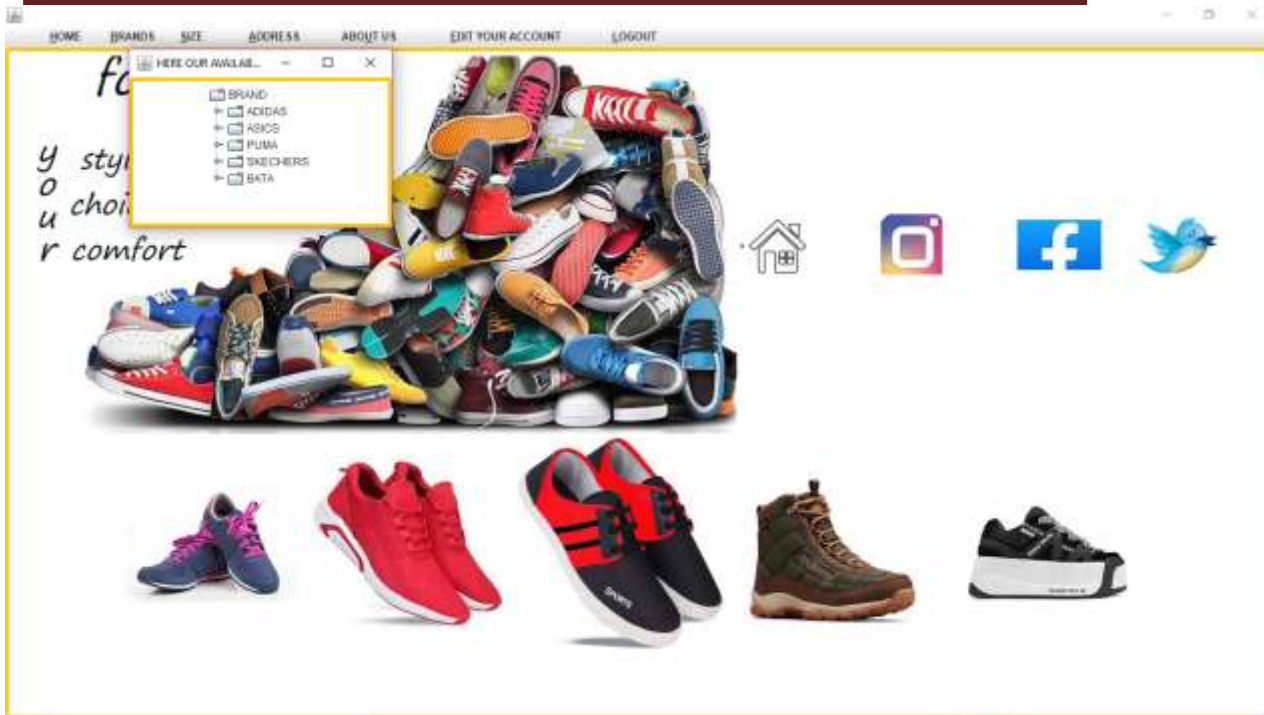
Online Shopping System



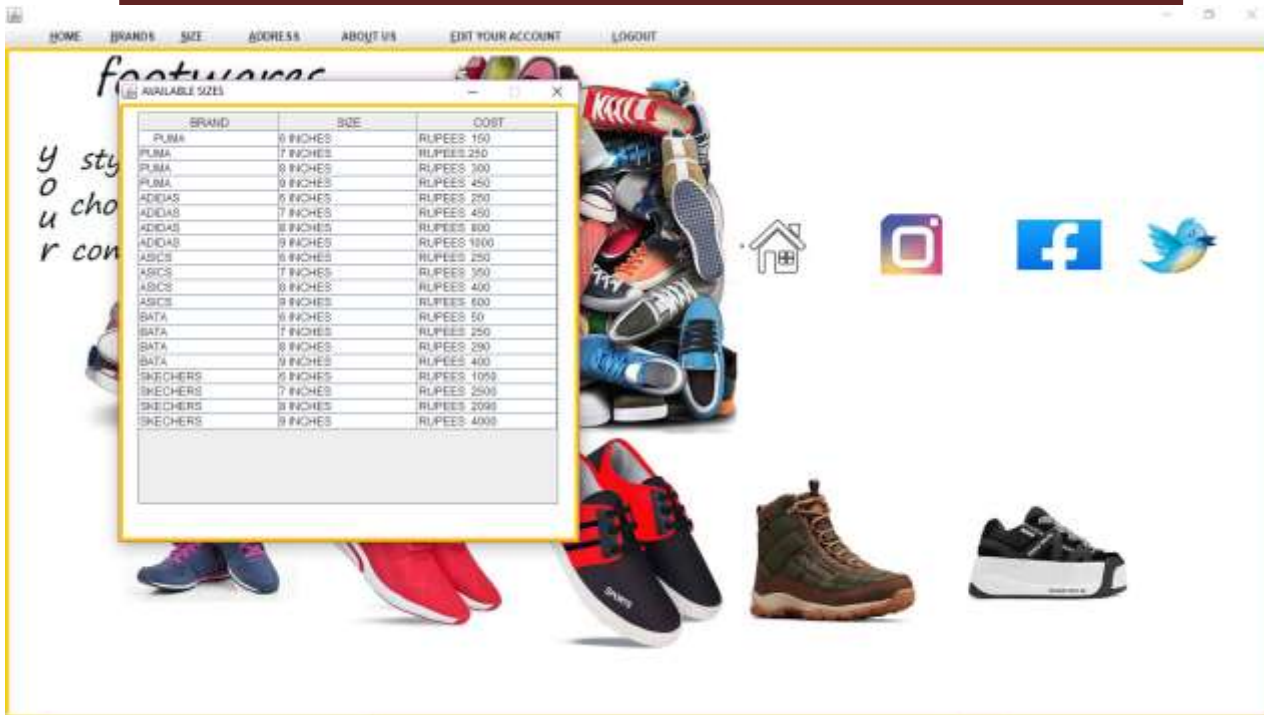
Online Shopping System



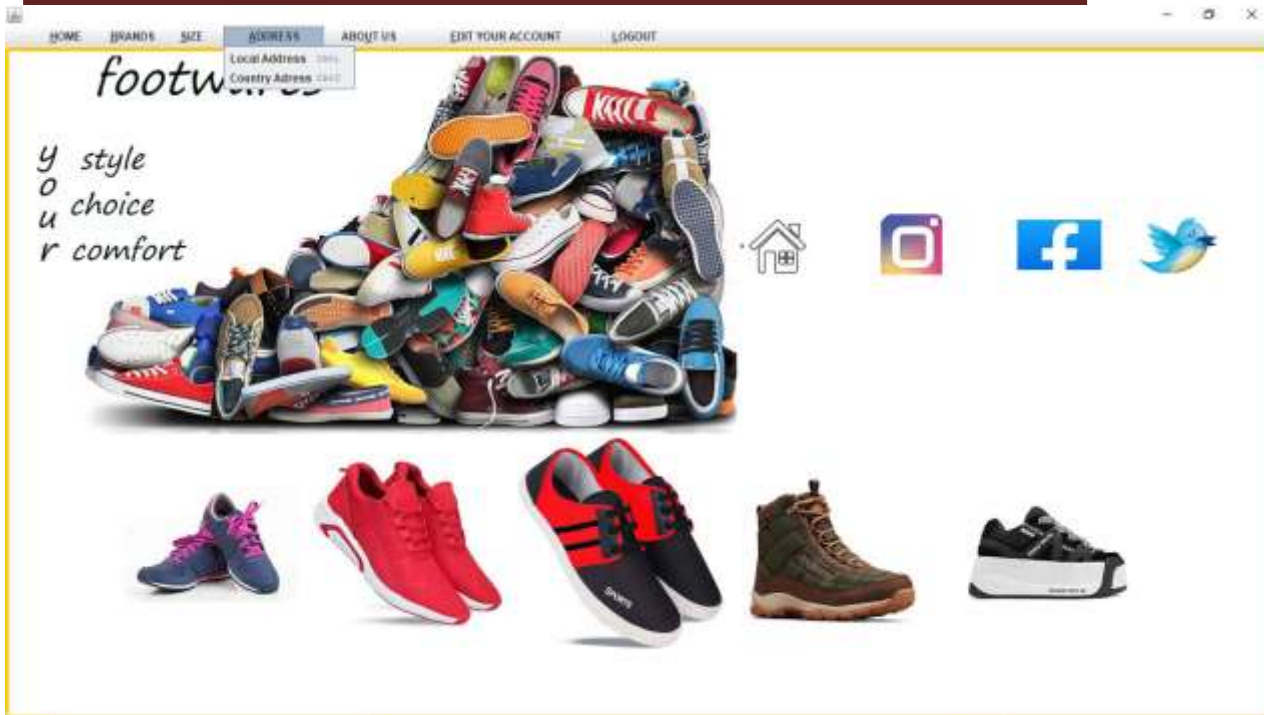
Online Shopping System



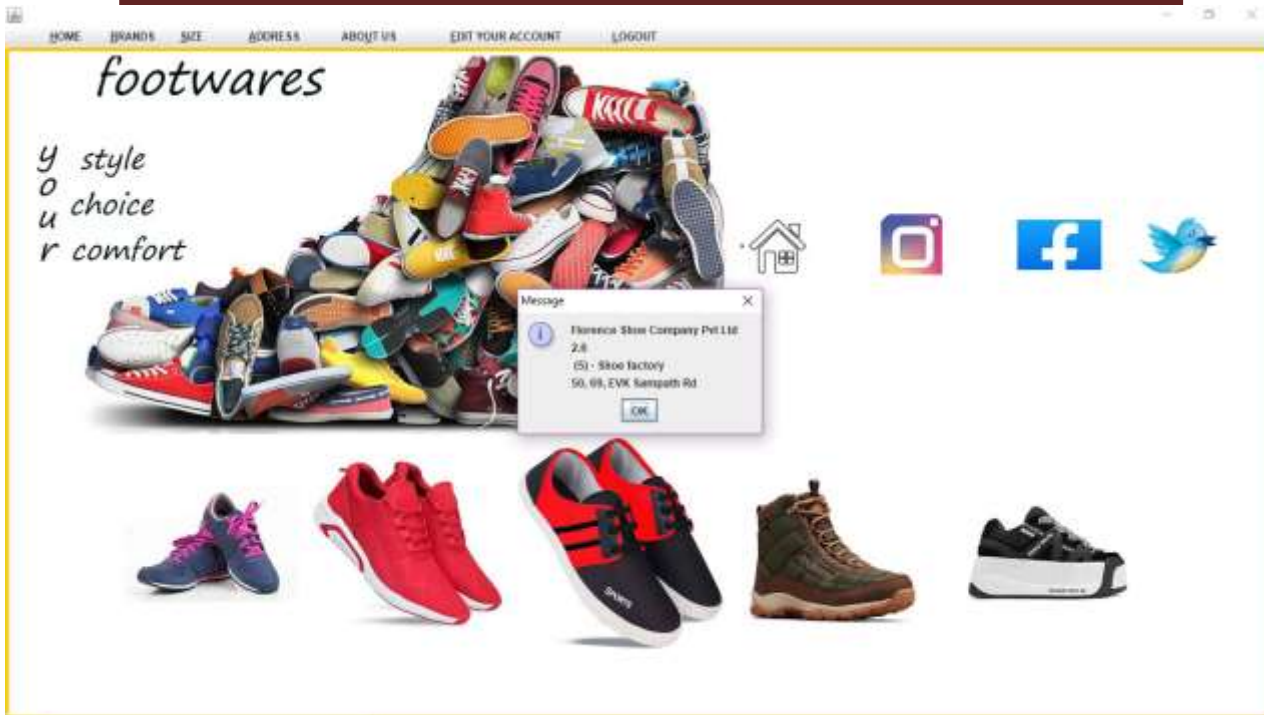
Online Shopping System

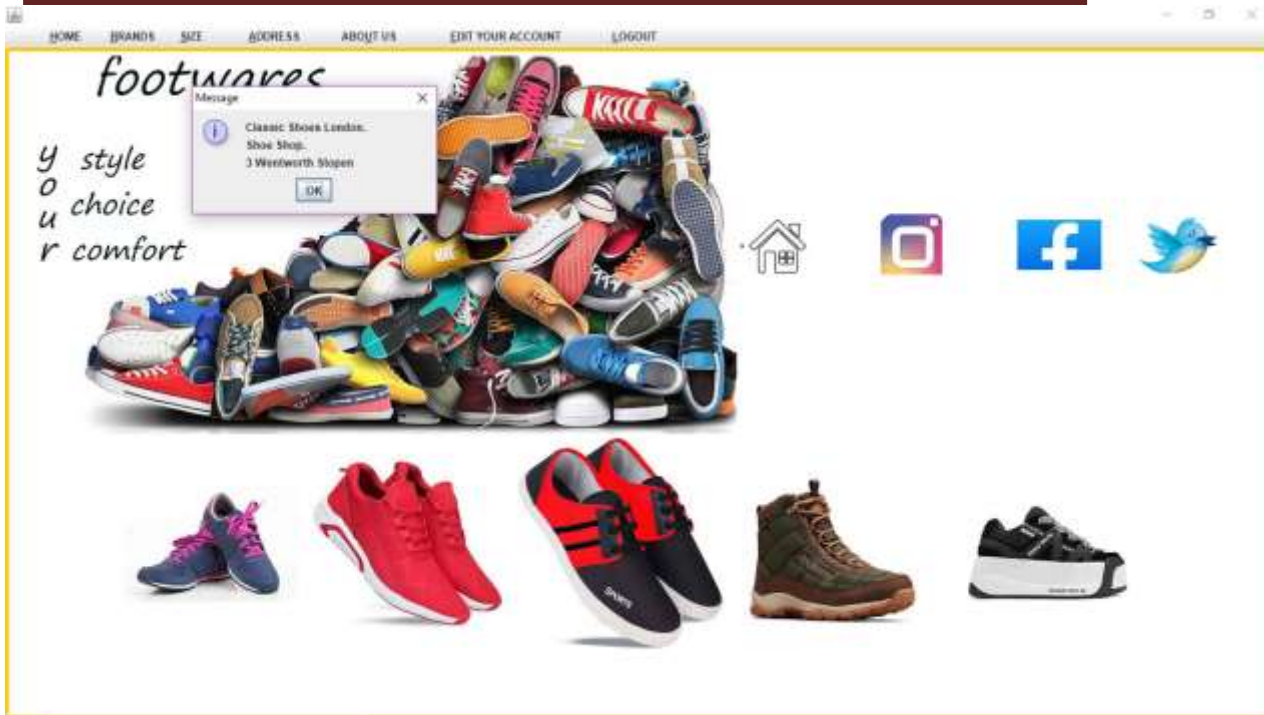


Online Shopping System

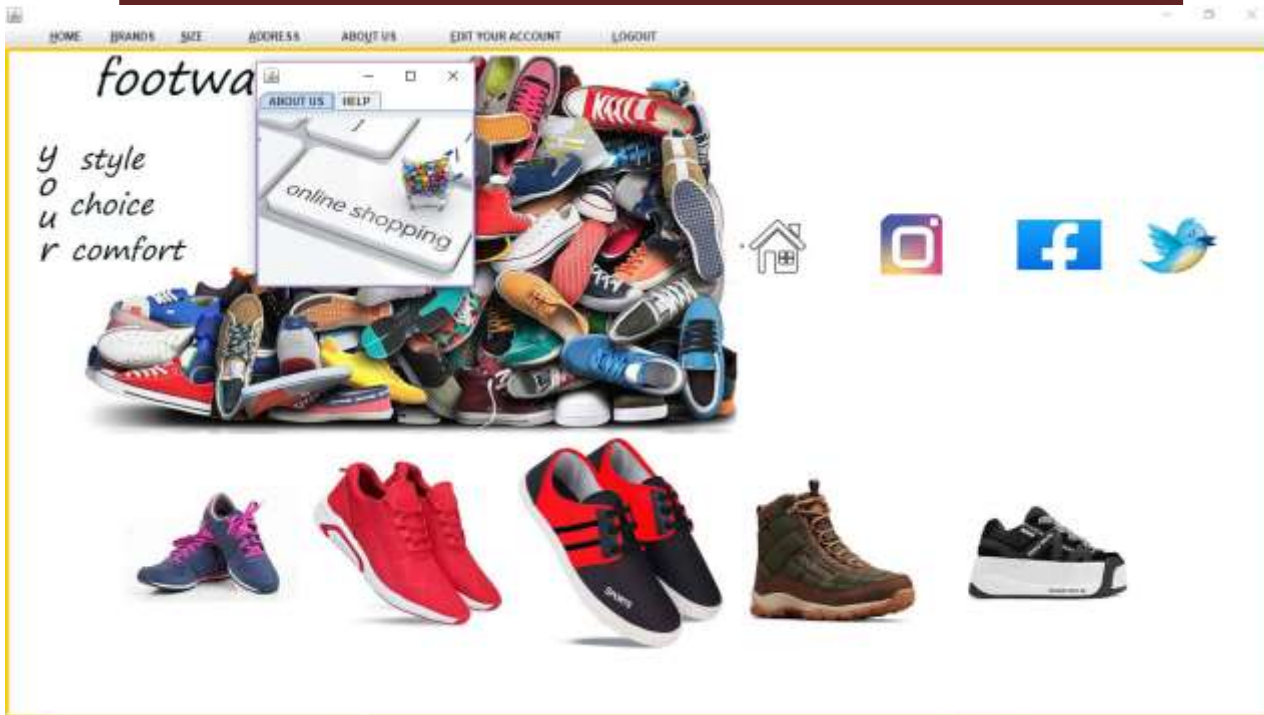


Online Shopping System

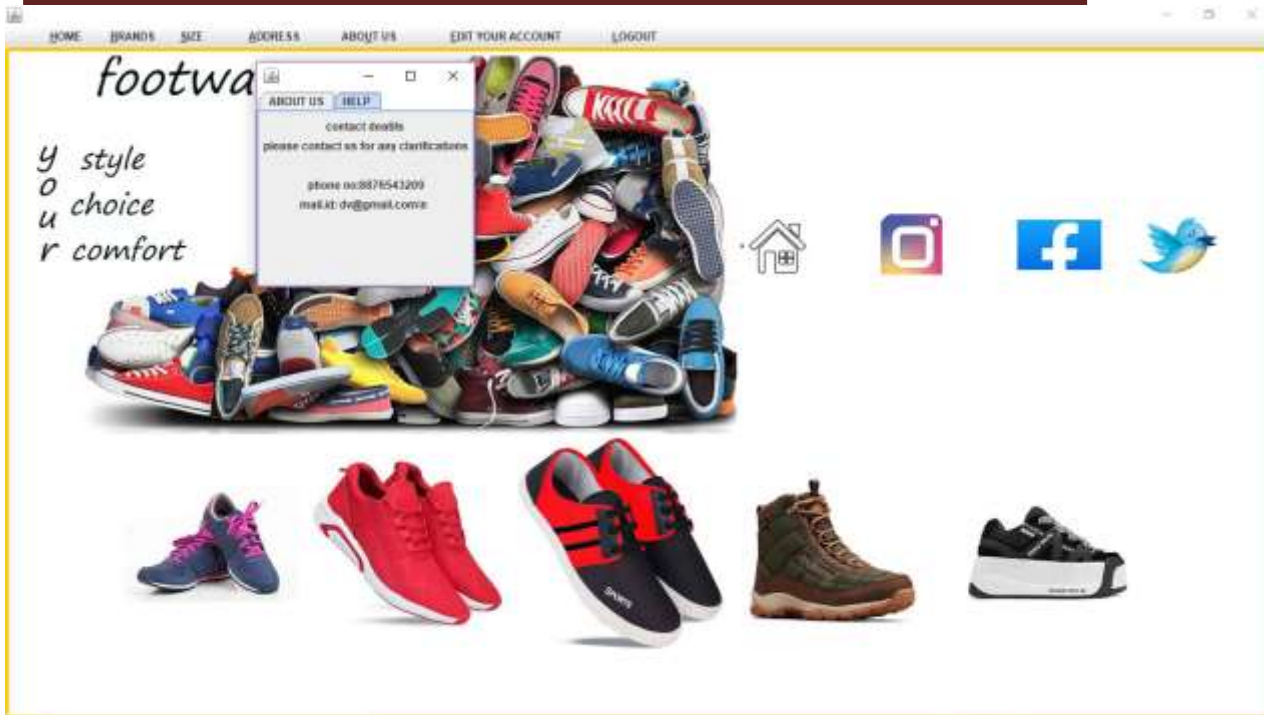




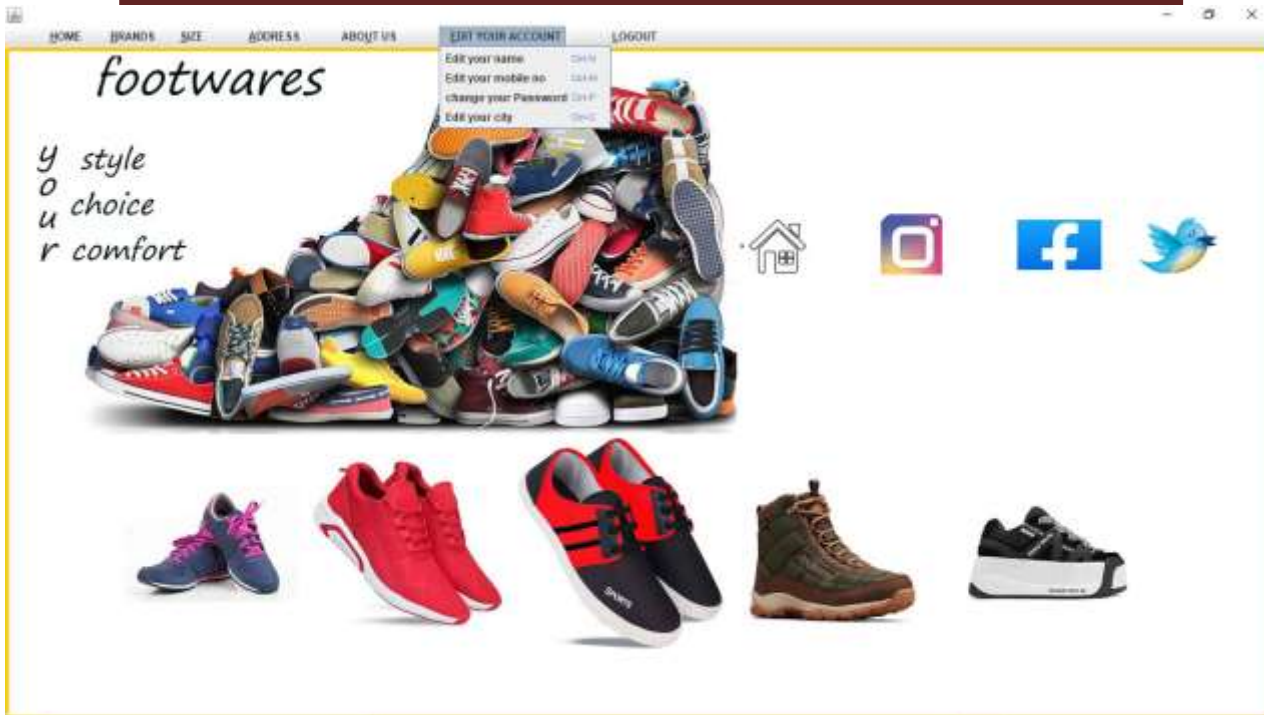
Online Shopping System

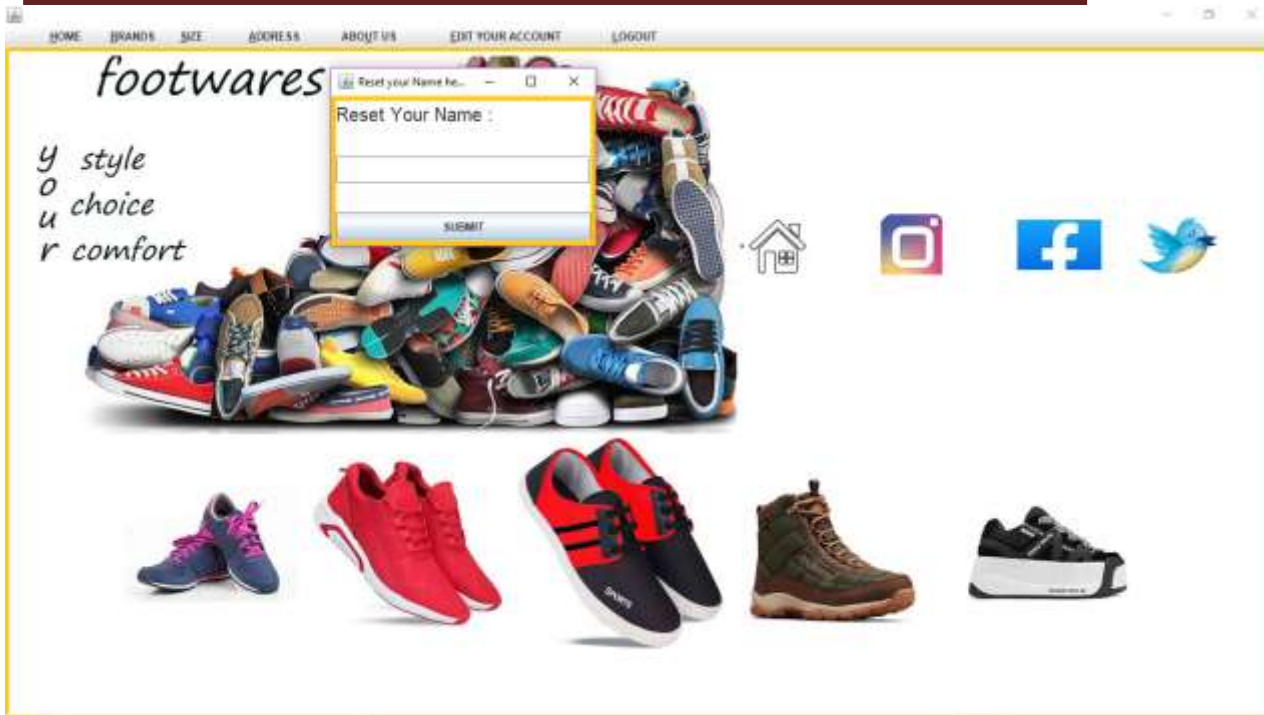


Online Shopping System

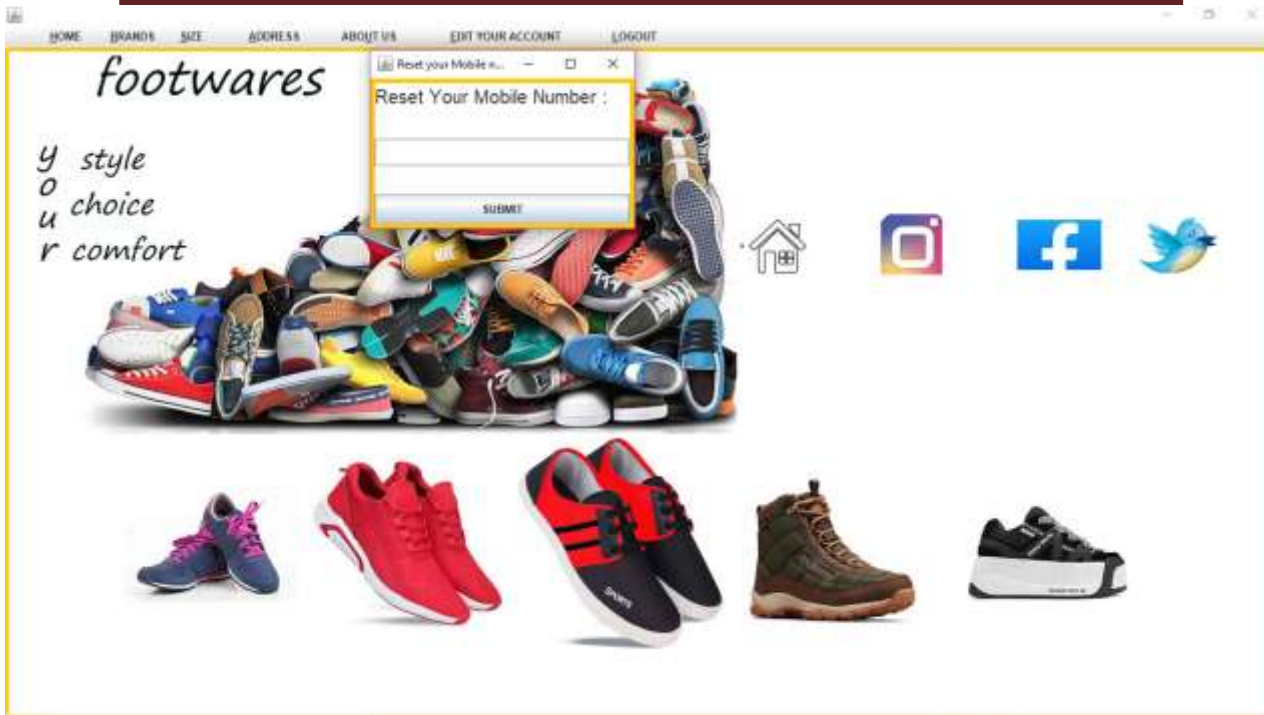


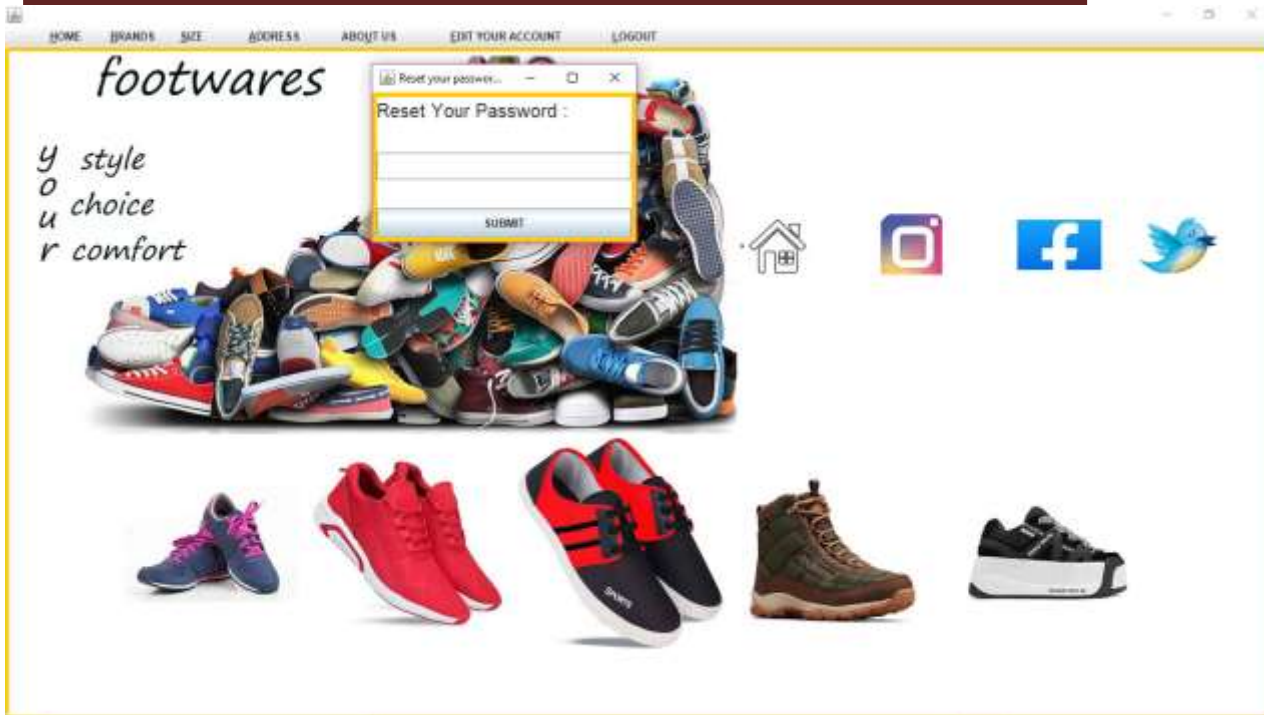
Online Shopping System



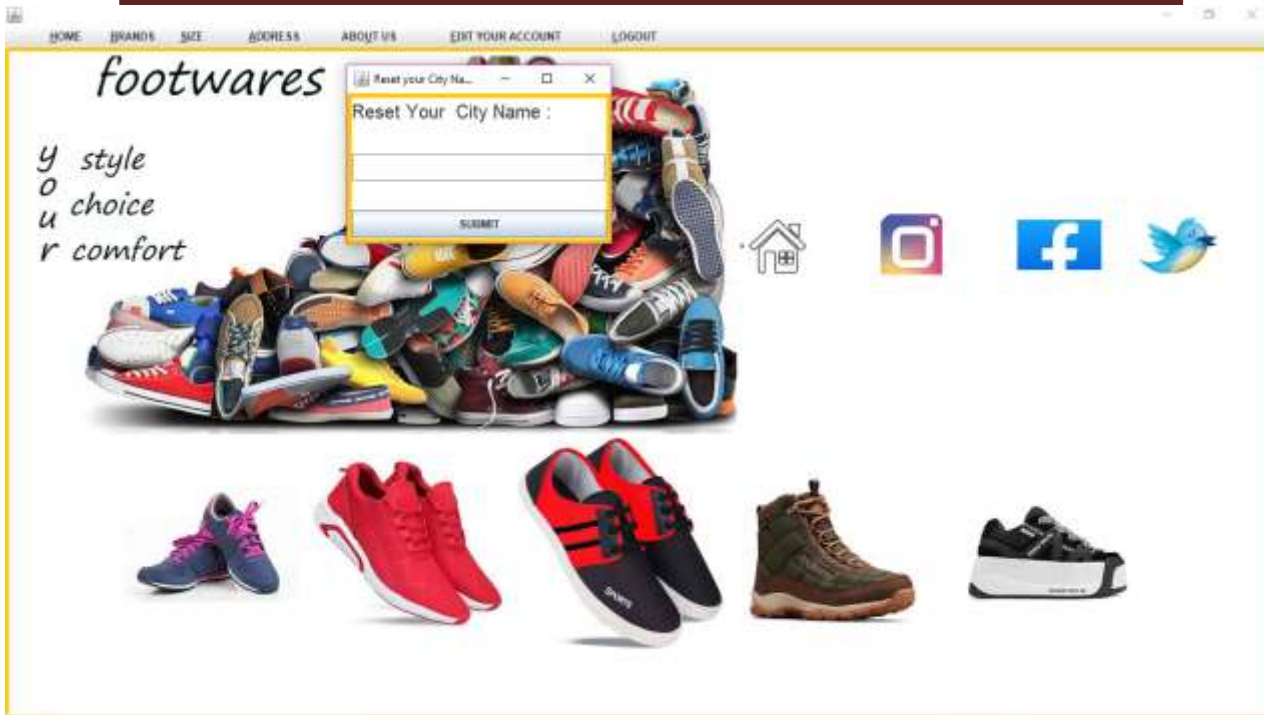


Online Shopping System





Online Shopping System



Online Shopping System

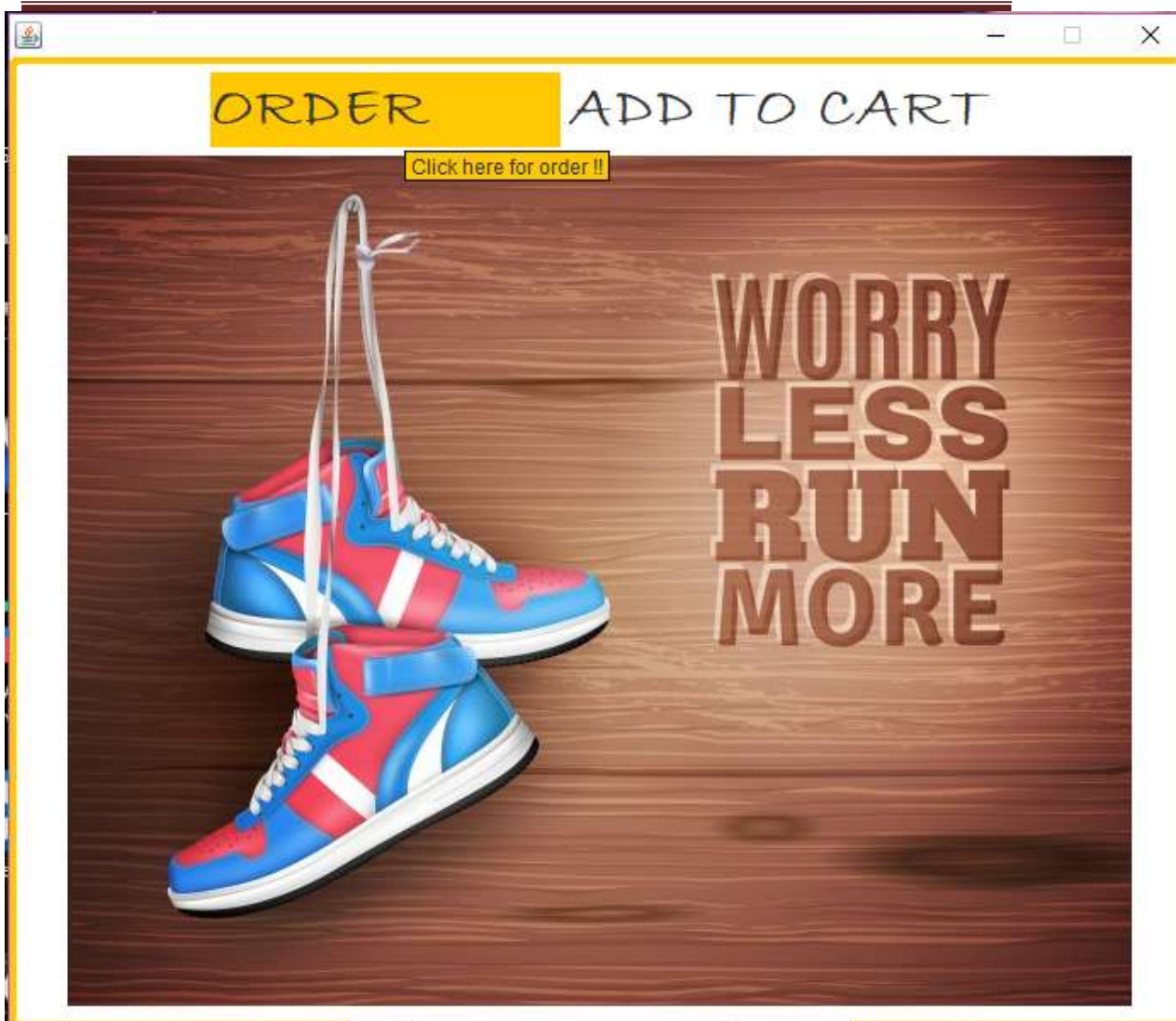


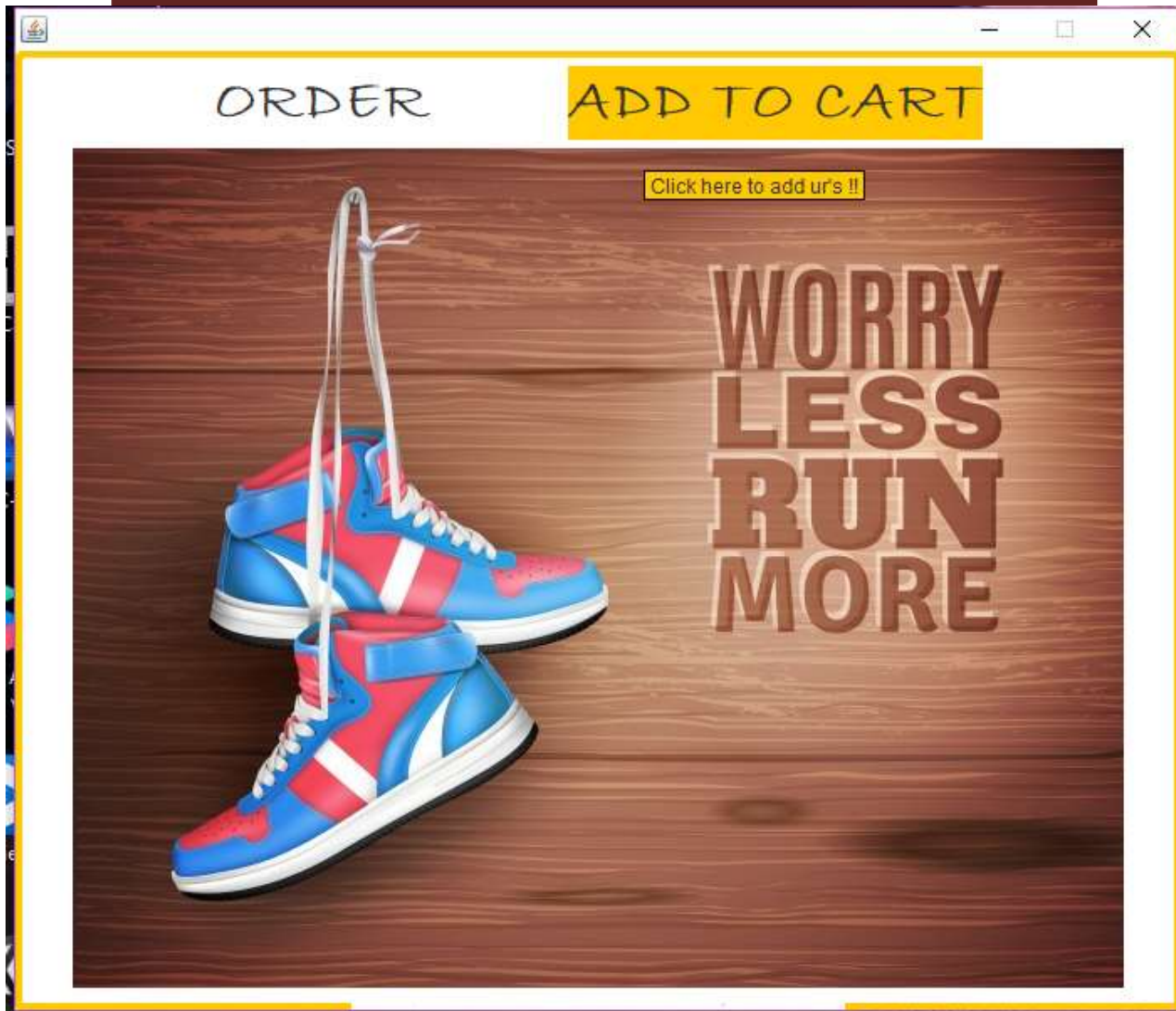


ORDER

ADD TO CART







 Cash on delivery! — □ ×

color

size

expected date of deliver

1

▼

01

▼

2020

▼

Order NOW!

3.8 SAMPLE CODE

```
import java.io.IOException;
import java.sql.DriverManager;
import java.awt.*;
import javax.swing.*;
import javax.swing.border.Border;
import java.sql.*;
import java.awt.event.*;
import java.awt.font.TextAttribute;
import java.sql.Connection;
import java.sql.DriverManager;
import java.io.*;
import java.sql.SQLException;

import javax.swing.border.LineBorder;
import javax.swing.event.MenuListener;
import javax.swing.event.ChangeEvent;
import javax.swing.event.ChangeListener;
import javax.swing.tree.DefaultMutableTreeNode;
import java.awt.event.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Map;
import javax.swing.*;
import javax.swing.border.Border;
import javax.swing.border.LineBorder;

import javax.swing.border.Border;

public class onlineshopping extends JFrame {

Image img = Toolkit.getDefaultToolkit().getImage("C:\\\\Users\\Asus\\Pictures\\Saved
Pictures\\DV.jpg");
```

```
public onlineshopping() throws IOException {
    this.setContentPane(new JPanel() {
        public void paintComponent(Graphics g) {
            super.paintComponent(g);
            g.drawImage(img, 8, 0, 1350, 1000, this);
        }
    });
    setVisible(true);
    setSize(1350, 1350);
    this.setLayout(null);
    JButton b = new JButton("LOGIN");
    JButton b1 = new JButton("SIGN UP");
    JButton b2 = new JButton("FORGOT PASSWORD");
    this.add(b1);
    this.add(b);
    this.add(b2);
    b.setBounds(650, 450, 90, 30);
    b1.setBounds(400, 550, 110, 30);
    b2.setBounds(850, 550, 200, 30);

    b.setFont(new Font("Bradley Hand ITC", Font.BOLD, 15));
    b1.setFont(new Font("Bradley Hand ITC", Font.BOLD, 15));
    b2.setFont(new Font("Bradley Hand ITC", Font.BOLD, 15));
    b1.setBackground(Color.WHITE);
    b.setBackground(Color.WHITE);
    b2.setBackground(Color.WHITE);
    b.addActionListener(new ActionListener()
    {
        public void actionPerformed(ActionEvent e)
        {
            dispose();
            new login();
            //onlineshopping.close();
        }
    });

    b1.addActionListener(new ActionListener()
    {
        public void actionPerformed(ActionEvent e)
        {

```



```
        new singup();// ClassNotFoundException;

    }
});
b2.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent e)
    {
        new forgetpswrd();
    }
});
}

    public static void main(String[] args) throws Exception {

        new onlineshopping();

    }
}
class singup extends JFrame{

// Components of the Form
    Container c;
    private JLabel title;
    private JLabel name;
    private JTextField tname;
    private JLabel mno;
    private JTextField tmno;
    private JLabel gender;
    private JRadioButton male;
    private JRadioButton female;
    private ButtonGroup gengp;
    private JLabel dob;
    private JComboBox date;
    private JComboBox month;
    private JComboBox year;
    private JLabel add;
    private JTextField tadd;
    private JLabel pass;
```

```
private JPasswordField tpass;
String Usernames;
private JCheckBox term;
JButton sub;
private JButton reset;
//private JTextArea tout;
//private JLabel res;
private JTextArea resadd;
String data1;
private String dates[]
    = { "1", "2", "3", "4", "5",
        "6", "7", "8", "9", "10",
        "11", "12", "13", "14", "15",
        "16", "17", "18", "19", "20",
        "21", "22", "23", "24", "25",
        "26", "27", "28", "29", "30",
        "31" };
private String months[]
    = { "01", "02", "03", "04",
        "05", "06", "07", "08",
        "09", "10", "11", "12" };
private String years[]
    = { "1990", "1991", "1992", "1993", "1994", "1995", "1996", "1997", "1998",
        "1999", "2000", "2001", "2002",
        "2003", "2004", "2005", "2006",
        "2007", "2008", "2009", "2010",
        "2011", "2012", "2013", "2014",
        "2015", "2016", "2017", "2018",
        "2019" };

// constructor, to initialize the components
// with default values.
singup() //throws ClassNotFoundException
{
    setTitle("SING UP");
    setBounds(300, 90, 500, 550);

    //setDefaultCloseOperation(EXIT_ON_CLOSE);
    setResizable(false);

    c = getContentPane();
```

```
c.setLayout(null);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
((JComponent) c).setBorder(border);
c.setBackground(Color.WHITE);
name = new JLabel("Name");
name.setFont(new Font("SansScript", Font.PLAIN, 20));
name.setSize(100, 20);
name.setLocation(100, 100);
c.add(name);

tname = new JTextField();
tname.setFont(new Font("SansScript", Font.PLAIN, 15));
tname.setSize(190, 20);
tname.setLocation(200, 100);
c.add(tname);

mno = new JLabel("Mobile");
mno.setFont(new Font("SansScript", Font.PLAIN, 20));
mno.setSize(100, 20);
mno.setLocation(100, 150);
c.add(mno);

tmno = new JTextField();
tmno.setFont(new Font("SansScript", Font.PLAIN, 15));
tmno.setSize(190, 20);
tmno.setLocation(200, 150);
c.add(tmno);

gender = new JLabel("Gender");
gender.setFont(new Font("Arial", Font.PLAIN, 20));
gender.setSize(100, 20);
gender.setLocation(100, 200);
c.add(gender);

male = new JRadioButton("Male");
male.setFont(new Font("SansScript", Font.PLAIN, 15));
male.setSelected(false);
male.setSize(75, 20);
male.setLocation(200, 200);
c.add(male);
```

```
female = new JRadioButton("Female");
female.setFont(new Font("SansScript", Font.PLAIN, 15));
female.setSelected(false);
female.setSize(80, 20);
female.setLocation(275, 200);
c.add(female);

gengp = new ButtonGroup();
gengp.add(male);
gengp.add(female);

dob = new JLabel("DOB");
dob.setFont(new Font("SansScript", Font.PLAIN, 20));
dob.setSize(100, 20);
dob.setLocation(100, 250);
c.add(dob);

date = new JComboBox(dates);
date.setFont(new Font("SansScript", Font.PLAIN, 15));
date.setSize(50, 20);
date.setLocation(200, 250);
c.add(date);

month = new JComboBox(months);
month.setFont(new Font("SansScript", Font.PLAIN, 15));
month.setSize(50, 20);
month.setLocation(250, 250);
c.add(month);

year = new JComboBox(years);
year.setFont(new Font("SansScript", Font.PLAIN, 15));
year.setSize(60, 20);
year.setLocation(300, 250);
c.add(year);

add = new JLabel("City");
add.setFont(new Font("SansScript", Font.PLAIN, 20));
add.setSize(190, 20);
add.setLocation(100, 300);
c.add(add);
```

```
tadd = new JTextField();
tadd.setFont(new Font("SansScript", Font.PLAIN, 15));
tadd.setSize(190, 20);
tadd.setLocation(200, 300);
//tadd.setLineWrap(true);
c.add(tadd);

pass = new JLabel("Password");
pass.setFont(new Font("SansScript", Font.PLAIN, 20));
pass.setSize(170, 20);
pass.setLocation(100, 350);
c.add(pass);
tpass = new JPasswordField();
//tpass.setFont(new Font("Arial", Font.PLAIN, 15));
tpass.setSize(190, 20);
tpass.setLocation(200, 350);
//tpass.setLineWrap(true);
c.add(tpass);

term = new JCheckBox("By agree the T&C,Privacy Policy");
term.setFont(new Font("SansScript", Font.PLAIN, 15));
term.setSize(250, 30);
term.setLocation(150, 400);
c.add(term);

sub = new JButton("Submit");
sub.setFont(new Font("Arial", Font.PLAIN, 15));
sub.setSize(100, 20);
sub.setLocation(150, 450);

c.add(sub);

reset = new JButton("Clear");
reset.setFont(new Font("Arial", Font.PLAIN, 15));
reset.setSize(100, 20);
reset.setLocation(270, 450);
//
reset.addActionListener(this);
c.add(reset);
setVisible(true);
reset.addActionListener(new ActionListener()
```

```
{
    public void actionPerformed(ActionEvent e)
    {
        if (e.getSource() == reset) {
            String def = "";
            tname.setText(def);
            tadd.setText(def);
            tmno.setText(def);
            tpass.setText(def);
            term.setSelected(false);
            date.setSelectedIndex(0);
            month.setSelectedIndex(0);
            year.setSelectedIndex(0);
            male.setSelected(false);
            female.setSelected(false); }
            gengp.clearSelection();
        }
    });
```

```
male.addItemListener(new ItemListener()
```

```
{
    public void itemStateChanged(ItemEvent e)
    {
        if(e.getItem()==male)
        {
            data1="male";
        }
    }
});
female.addItemListener(new ItemListener()
```

```
{
    public void itemStateChanged(ItemEvent e)
    {
        if(e.getItem()==female)
```

```

{
    data1="female";
}

}
});

// parent.setVisible(true);

term.addItemListener(new ItemListener()
{
    public void itemStateChanged(ItemEvent e) {
        if(e.getItem()==null)
        {

        }
    }
});

sub.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {

        if(tname.getText()!=null && tadd.getText()!=null && tmno.getText()!=null
        && tpass.getText()!=null && term.isSelected()==false)
        {

            JFrame f=new JFrame();
            JOptionPane.showMessageDialog(f,"All fields are
Required", "Alert", JOptionPane.WARNING_MESSAGE);
        }

        else {
            try {
                Class.forName("com.mysql.jdbc.Driver");
                Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
                Statement stmt=con.createStatement();
            }
        }
    }
}
    
```

```
        if (con!=null)
        {
            System.out.println("connection sucess");
        }
        ResultSet result = stmt.executeQuery("SELECT*FROM
SIGNUP");//table in the database
        while(result.next()){
            Uusername = result.getString("Name");
            if (tname.getText().equals(Uusername))
            {
                JFrame f =new JFrame();

                JOptionPane.showMessageDialog(f,"Username already exist\nAgain signup with new
Username", "Warning",JOptionPane.INFORMATION_MESSAGE);
                dispose();
                break;

            }
        }
        if(!tname.getText().equals(Uusername))
        {
            stmt.executeUpdate("insert into signup
values('"+tname.getText()+"', '"+tmno.getText()+"', '"+
(String)year.getSelectedItem()+"-' +(String)month.getSelectedItem()+"-'
'+(String)date.getSelectedItem()+"', '"+data1+"', '"+tadd.getText()+"', '"+tpass.getText(
)+"')");

            JFrame Sucess_Message=new JFrame();

            JOptionPane.showMessageDialog(Sucess_Message,"Sucessfully Submitted\nPlease
Login");

            stmt.close();
            con.close();
            String def = "";
            tname.setText(def);
            tadd.setText(def);
            tmno.setText(def);
            tpass.setText(def);
            term.setSelected(false);
            date.setSelectedIndex(0);
            month.setSelectedIndex(0);
            year.setSelectedIndex(0);
```



```
        male.setSelected(false);
        female.setSelected(false);
        gengp.clearSelection();
        dispose();

    }

}

catch (SQLException ex)
{
    System.out.println("Error:"+ex);
} catch (ClassNotFoundException e1) {
    // TODO Auto-generated catch block
    e1.printStackTrace();
}

}

}
});

}
}

class login extends JFrame {

    JPanel panel;
    JLabel user_label, password_label, message,home;
    JTextField userName_text;
    JPasswordField password_text;
    JButton submit, cancel;
    String Usernames;
    String Passwords;
static String name;
    login() {

        // User Label
```

```
        user_label = new JLabel();
        user_label.setText("User Name :");
        user_label.setFont(new Font("Arial", Font.PLAIN, 20));
        user_label.setSize(100, 20);
        user_label.setLocation(100, 100);
        userName_text = new JTextField();
        userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
        userName_text.setSize(190, 20);
        userName_text.setLocation(200, 100);

// Password

        password_label = new JLabel();
        password_label.setText("Password :");
        password_label.setFont(new Font("Arial", Font.PLAIN, 20));
        password_label.setSize(100, 20);
        password_label.setLocation(100, 150);
        password_text = new JPasswordField();
        password_text.setFont(new Font("Arial", Font.PLAIN, 15));
        password_text.setSize(150, 20);
        password_text.setLocation(200, 150);

// Submit
        home = new JLabel("HOME");
        home.setFont(new Font("Bradley Hand ITC", Font.PLAIN, 20));
        home.setSize(100, 20);
        Font font=home.getFont();
        Map attributes =font.getAttributes();
        attributes.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_ON);
        home.setFont(font.deriveFont(attributes));
        submit = new JButton("SUBMIT");
        home.addMouseListener(new MouseAdapter() {

            public void mouseClicked(MouseEvent e) {
                dispose();
                try {
                    new onlineshopping();
                } catch (IOException e1) {
                    // TODO Auto-generated catch block
                    e1.printStackTrace();
                }
            }
        });
    }
```

```
    }  
    });  
    // panel = new JPanel(new GridLayout(3, 1));  
    //panel.setVgap(30);  
    JPanel panel = new JPanel();  
    panel.setBackground(Color.WHITE);  
    GridLayout layout = new GridLayout(3,3);  
    layout.setVgap(30);  
    panel.setLayout(layout);  
  
    panel.add(user_label);  
    panel.add(userName_text);  
    panel.add(password_label);  
    panel.add(password_text);  
  
    panel.add(home);  
    panel.add(submit);  
..  
  
    add(panel, BorderLayout.CENTER);  
    Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);  
  
    // set the border of this component  
    panel.setBorder(border);  
  
    setTitle("Please Login Here !");  
    setSize(300, 200);  
    setVisible(true);  
  
    submit.addActionListener(new ActionListener()  
    {  
        public void actionPerformed(ActionEvent e)  
        {  
  
            try {  
                Class.forName("com.mysql.jdbc.Driver");  
                Connection  
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");  
                Statement stmt=con.createStatement();
```

```
        if (con!=null)
        {
            System.out.println("connection sucess");
        }
        ResultSet result = stmt.executeQuery("SELECT*FROM
SIGNUP");//table in the database
        while(result.next()){
            Usernames = result.getString("Name");
//username column in the password table in the database
            Passwords =
result.getString("Password");//password column in the password table in the database

            if (userName_text.getText().equals(Usernames)&&
password_text.getText().equals(Passwords))
            {
                name=userName_text.getText();
                new homepage();
                dispose();
                break;
            }
        }

        /*
        ResultSet rs=stmt.executeQuery("select * from signup
where Name='"+userName_text.getText()+"' and Password='"+password_text.getText()+"'
");
        if(rs==null)

        */
        if (userName_text.getText().equals(Usernames) &&
!password_text.getText().equals(Passwords))
        {

            JFrame f =new JFrame();

            JOptionPane.showMessageDialog(f,"Please enter valid UserName or
Password", "Warning",JOptionPane.INFORMATION_MESSAGE);

        }
    }
```

```
        if (!userName_text.getText().equals(Usernames) &&
!password_text.getText().equals>Passwords))
        {

            JFrame f =new JFrame();

            JOptionPane.showMessageDialog(f,"Please enter valid UserName or
Password","Warning",JOptionPane.INFORMATION_MESSAGE);

        }

    }

    catch(SQLException ex)
    {
        System.out.println("Error:"+ex);
    } catch (ClassNotFoundException e1) {
        // TODO Auto-generated catch block
        e1.printStackTrace();
    }

}

});

}

}
```

```
class forgetpswrdd extends JFrame {

    JPanel panel;
    JLabel user_label, password_label, message;
    JTextField userName_text;
    JTextField password_text;
    JButton submit;
    static String Usernames;

    forgetpswrdd() {

        // User Label
        user_label = new JLabel();
        user_label.setText("User Name :");
        user_label.setFont(new Font("Arial", Font.PLAIN, 20));
        user_label.setSize(100, 20);
        user_label.setLocation(100, 100);
        userName_text = new JTextField();
        userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
        userName_text.setSize(190, 20);
        userName_text.setLocation(200, 100);

        // Password
        password_label = new JLabel();
        password_label.setText("mobile no :");
        password_label.setFont(new Font("Arial", Font.PLAIN, 20));
        password_label.setSize(100, 20);
        password_label.setLocation(100, 150);
        password_text = new JTextField();
        password_text.setFont(new Font("Arial", Font.PLAIN, 15));
        password_text.setSize(150, 20);
        password_text.setLocation(200, 150);

        // Submit
```

```
        submit = new JButton("SUBMIT");

// panel = new JPanel(new GridLayout(3, 1));
//panel.setVgap(30);
JPanel panel = new JPanel();
panel.setBackground(Color.WHITE);
GridLayout layout = new GridLayout(3,3);
layout.setVgap(30);
panel.setLayout(layout);

panel.add(user_label);
panel.add(userName_text);
panel.add(password_label);
panel.add(password_text);

message = new JLabel();
panel.add(message);
panel.add(submit);

// setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

// Adding the listeners to components..
// submit.addActionListener(this);
add(panel, BorderLayout.CENTER);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
panel.setBorder(border);

setTitle("forgot ur password !");
setSize(300, 200);
setVisible(true);
//setTitle("SING UP");
//setBounds(300, 90, 900, 600);
//setDefaultCloseOperation(EXIT_ON_CLOSE);
//setResizable(false);

submit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
```

```
{

    try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
        Statement stmt=con.createStatement();
        if (con!=null)
        {
            System.out.println("connection
sucess");
        }
        ResultSet result =
stmt.executeQuery("SELECT*FROM SIGNUP");//table in the database
        while(result.next()){
            Usernames =
result.getString("Name");
            userName_text.getText().equals(Usernames))
            {
                new resetp();
                dispose();
                break;
            }
        }
        if(!
userName_text.getText().equals(Usernames))
        {
            JFrame f=new JFrame();

            JOptionPane.showMessageDialog(f,"Invalid
Credentials","Alert",JOptionPane.WARNING_MESSAGE);
        }
    }
    catch(SQLException ex)
    {

```



```
        System.out.println("Error:"+ex);
    } catch (ClassNotFoundException e1) {
        // TODO Auto-generated catch block
        e1.printStackTrace();
    }

}

});

}

}
```

```
class resetp extends JFrame
{
    JPanel panel;
    JLabel password_label, message;
    JTextField password_text;
    JButton submit;
    String Usernames;
```

```
resetp() {

    // User Label
    /* user_label = new JLabel();
    user_label.setText("User Name :");
    user_label.setFont(new Font("Arial", Font.PLAIN, 20));
    user_label.setSize(100, 20);
    user_label.setLocation(100, 100);
    userName_text = new JTextField();
    userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
    userName_text.setSize(190, 20);
    userName_text.setLocation(200, 100); */

    // Password

    password_label = new JLabel();
    password_label.setText("Password :");
    password_label.setFont(new Font("Arial", Font.PLAIN, 20));
    password_label.setSize(100, 20);
    password_label.setLocation(100, 150);
    password_text = new JTextField();
    password_text.setFont(new Font("Arial", Font.PLAIN, 15));
    password_text.setSize(150, 20);
    password_text.setLocation(200, 150);

    // Submit

    submit = new JButton("SUBMIT");

    // panel = new JPanel(new GridLayout(3, 1));
    //panel.setVgap(30);
    JPanel panel = new JPanel();
    panel.setBackground(Color.WHITE);
    GridLayout layout = new GridLayout(3,3);
    layout.setVgap(30);
    panel.setLayout(layout);

    // panel.add(user_label);
    //panel.add(userName_text);
    panel.add(password_label);
```

```
panel.add(password_text);

message = new JLabel();
panel.add(message);
panel.add(submit);

add(panel, BorderLayout.CENTER);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
panel.setBorder(border);

setTitle("Set your Password here !");
setSize(500, 200);

//setResizable(false);
submit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
            Statement stmt=con.createStatement();
            if (con!=null)
            {
                System.out.println("connection sucess");
            }

            stmt.executeUpdate("update signup"+" Set
Password='"+password_text.getText()+"' where Name='"+forgetpswrd.Usernames+"' ");
            JFrame f=new JFrame();
            JOptionPane.showMessageDialog(f,"Paaword
Changed\n Please Login", "Alert",JOptionPane.WARNING_MESSAGE);
            String def = "";
            password_text.setText(def);
            dispose();
            new login();
        }
    }
});
```

```
        catch(SQLException ex)
        {
            System.out.println("Error:"+ex);
        } catch (ClassNotFoundException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }
    }
});

}

}

class homepage extends JFrame
{
    JPanel panel;
    JPopupMenu pm;
    static String user;

    homepage()
    {

        setVisible(true);
        setSize(2500,2500);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        JPanel panel = new JPanel();
        getContentPane().setBackground(Color.WHITE);
        ImageIcon ii=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\DV1.jpg");
        ImageIcon i1=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\INSTA.jpeg");
        ImageIcon i12=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FACEBOOK.jpeg");
        ImageIcon i121=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\uu.jpg");
```

```
        ImageIcon iii=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\W.jpg");
        ImageIcon F1=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FOOT1.jpeg");
        ImageIcon F2=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FOOT2.jpeg");
        ImageIcon F3=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FOOT3.jpeg");
        ImageIcon F4=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FOOT4.jpeg");
        ImageIcon F=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\tt.jpg");
        ImageIcon F5=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FOOT6.jpeg");
        ImageIcon F6=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\FOOT5.jpeg");
        UIManager.put("ToolTip.background", Color.white);
        UIManager.put("ToolTip.border",new LineBorder(Color.BLACK,1));
        pm = new JPopupMenu("Message");

        JLabel l1=new JLabel(ii,JLabel.LEFT);
        l1.setVerticalAlignment(JLabel.CENTER);
        l1.setBounds(0, 0, 10, 10);
        panel.add(l1);
        JMenuBar b=new JMenuBar();
        setJMenuBar(b);
        JMenu m00=new JMenu("      ");
        b.add(m00);
        m00.setEnabled(false);
        JMenu m1=new JMenu(" HOME ");
        b.add(m1);
        m1.setMnemonic(KeyEvent.VK_H);
        JMenu m0=new JMenu("      ");
        b.add(m0);
        m0.setEnabled(false);
        JMenu m2=new JMenu(" BRANDS ");
        b.add(m2);
        m2.setMnemonic(KeyEvent.VK_B);
        JMenu m01=new JMenu("      ");
        b.add(m01);
        m01.setEnabled(false);
```

```
JMenu m3=new JMenu(" SIZE ");
b.add(m3);
m3.setMnemonic(KeyEvent.VK_S);
JMenu m02=new JMenu(" ");
b.add(m02);
m02.setEnabled(false);
JMenu m4=new JMenu(" ADDRESS ");
b.add(m4);
JMenuItem mi=new JMenuItem("Local Address");
JMenuItem mi2=new JMenuItem("Country Address");
m4.add(mi);
mi.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_L, Event.CTRL_MASK));
mi2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_C, Event.CTRL_MASK));

m4.add(mi2);
m4.setMnemonic(KeyEvent.VK_A);
JMenu m03=new JMenu(" ");
b.add(m03);
m03.setEnabled(false);
JMenu m5=new JMenu(" ABOUT US ");
b.add(m5);
JMenu m001=new JMenu(" ");
b.add(m001);
m001.setEnabled(false);
JMenu m6=new JMenu(" EDIT YOUR ACCOUNT");
b.add(m6);
JMenuItem m22=new JMenuItem("Edit your name");
JMenuItem m222=new JMenuItem("Edit your mobile no");
JMenuItem m2222=new JMenuItem("change your Password");
JMenuItem m22222=new JMenuItem("Edit your city");
JMenuItem m11=new JMenuItem("Edit your name");
JMenuItem m111=new JMenuItem("Edit your mobile no");
JMenuItem m1111=new JMenuItem("change your Password");
JMenuItem m11111=new JMenuItem("Edit your city");
m6.add(m11);
m6.add(m111);
m6.add(m1111);
m6.add(m11111);
m22.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_N, Event.CTRL_MASK));
m222.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_M, Event.CTRL_MASK));
m2222.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_P, Event.CTRL_MASK));
m22222.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_C, Event.CTRL_MASK));
```

```
m11.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_N, Event.CTRL_MASK));
m111.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_M, Event.CTRL_MASK));
m1111.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_P, Event.CTRL_MASK));
m11111.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_C, Event.CTRL_MASK));

m11.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        new name();
    }
});
m111.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        new mobile ();
    }
});
m1111.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        new pass();
    }
});
m11111.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        new city();
    }
});
m22.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        new name();
    }
});
m222.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        new mobile ();
    }
});
m2222.addActionListener(new ActionListener() {
```

```
        public void actionPerformed(ActionEvent actionEvent) {
            new pass();
        }
    });
    m22222.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent actionEvent) {
            new city();
        }
    });
    pm.add(m22);
    pm.add(m222);
    pm.add(m2222);
    pm.add(m22222);
    panel.addMouseListener(new MouseAdapter() {
        public void mouseClicked(MouseEvent e) {
            pm.show(panel , e.getX(), e.getY());
        }
    });
    panel.add(pm);
    JMenu m0001=new JMenu("
    b.add(m0001);
    m0001.setEnabled(false);
    m6.setMnemonic(KeyEvent.VK_E);
    JMenu m7=new JMenu(" LOGOUT");
    b.add(m7);
    m7.addMouseListener(new MouseAdapter() {

        public void mouseClicked(MouseEvent e) {
            dispose();
        }
    });
    m7.setMnemonic(KeyEvent.VK_L);
    m5.setMnemonic(KeyEvent.VK_U);
    panel.setBackground(Color.WHITE);
    Border border = new LineBorder(Color.ORANGE, 4, true);
    panel.setBorder(border);
    JLabel l11=new JLabel(i121,JLabel.LEFT);
    panel.add(l11);
    //l11.setBounds(100, 100, 10, 10);
```



```
l11.setToolTipText("click to return google");
JLabel B1=new JLabel(iii,JLabel.LEFT);
panel.add(B1);
//l11.setBounds(100, 100, 10, 10);

JLabel l12=new JLabel(i1,JLabel.RIGHT);
//l12.setHorizontalAlignment(JLabel.BOTTOM);
panel.add(l12);
l12.setToolTipText("check us in Instagram");
l12.addMouseListener(new MouseAdapter() {
    public void mouseClicked(MouseEvent e) {

        String command = "rundll32 url.dll,FileProtocolHandler
https://www.instagram.com/";
        try {
            Process p = Runtime.getRuntime().exec(command);

        } catch (Exception e1) {

            JOptionPane.showMessageDialog(null, "\n Error! \n");

        }
    }
});

JLabel B2=new JLabel(iii,JLabel.LEFT);
panel.add(B2);
//l11.setBounds(100, 100, 10, 10);

JLabel l13=new JLabel(i12,JLabel.RIGHT);
panel.add(l13);
l13.setToolTipText("check us in Facebook");

//    l13.setText("");
    JLabel l113=new JLabel(F,JLabel.RIGHT);
panel.add(l113);
l113.setToolTipText("check us in Titwer");

JLabel lF=new JLabel(F1,JLabel.LEFT);
panel.add(lF);
```

```
JLabel lF3=new JLabel(F2,JLabel.LEFT);
panel.add(lF3);
JLabel lF2=new JLabel(F3,JLabel.LEFT);
panel.add(lF2);
JLabel lF4=new JLabel(F4,JLabel.LEFT);
panel.add(lF4);
JLabel lF5=new JLabel(F5,JLabel.LEFT);
panel.add(lF5);
JLabel lF6=new JLabel(F6,JLabel.LEFT);
panel.add(lF6);
add(panel);
l13.addMouseListener(new MouseAdapter() {
    public void mouseClicked(MouseEvent e) {

        String command = "rundll32 url.dll,FileProtocolHandler
https://www.facebook.com/";
        try {
            Process p = Runtime.getRuntime().exec(command);

        } catch (Exception e1) {

            JOptionPane.showMessageDialog(null, "\n Error! \n");

        }

    }
});
l11.addMouseListener(new MouseAdapter() {
    public void mouseClicked(MouseEvent e) {

        String command = "rundll32 url.dll,FileProtocolHandler
https://www.google.com/";
        try {
            Process p = Runtime.getRuntime().exec(command);

        } catch (Exception e1) {

            JOptionPane.showMessageDialog(null, "\n Error! \n");

        }

    }
}
```

```
});
    l113.addMouseListener(new MouseAdapter() {
        public void mouseClicked(MouseEvent e) {

            String command = "rundll32 url.dll,FileProtocolHandler
https://www.twitter.com/";
            try {
                Process p = Runtime.getRuntime().exec(command);

            } catch (Exception e1) {

                JOptionPane.showMessageDialog(null, "\n Error! \n");

            }

        }
    });
    m1.addMouseListener(new MouseAdapter() {

        public void mouseClicked(MouseEvent e) {
            try {
                new onlineshopping();
                dispose();
            } catch (IOException e1) {
                // TODO Auto-generated catch block
                e1.printStackTrace();
            }

        }

    });
    m2.addMouseListener(new MouseAdapter() {

        public void mouseClicked(MouseEvent e) {
            new brand();

        }

    });
    m3.addMouseListener(new MouseAdapter() {

        public void mouseClicked(MouseEvent e) {
            new size();
```

```
    }
    });
    /*m4.addChangeListener(new ChangeListener() {

        public void stateChanged(ChangeEvent e) {
            new address();

        }
    });*/

    m5.addMouseListener(new MouseAdapter() {

        public void mouseClicked(MouseEvent e) {
            new aboutus();

        }
    });

    lF.addMouseListener(new MouseAdapter() {

        public void mouseClicked(MouseEvent e) {
            user="Adidas";
            new buy();
            dispose();
        }
    });
    mi.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent actionEvent) {
            JOptionPane.showMessageDialog(null,"Florence Shoe Company Pvt
Ltd\r\n" +

                "2.6 \r\n" +
                " (5) . Shoe factory\r\n" +
                "50, 69, EVK Sampath Rd");
            //Enable fileitem1 & 2 here ??
        }
    });
    mi2.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent actionEvent) {
            JOptionPane.showMessageDialog(null,"Classic Shoes London.\nShoe
Shop.\n3 Wentworth Stopen");
            //Enable fileitem1 & 2 here ??
        }
    });
}
```

```
});

lF.setToolTipText("Athletic Footwear. "
                  + "\nBrand: Adidas");
lF3.addMouseListener(new MouseAdapter() {

    public void mouseClicked(MouseEvent e) {
        user="SKECHERS";
        new buy();
        dispose();

    }

});
lF3.setToolTipText("Red-1243 Sports Shoes. "
                   + "\nBrand:SKECHERS ");
lF2.addMouseListener(new MouseAdapter() {

    public void mouseClicked(MouseEvent e) {
        user="PUMA";
        new buy();

    }

});
lF2.setToolTipText("Casual Loafer Sneaker Shoes For Men. "
                   + "\nBrand: PUMA");
lF4.addMouseListener(new MouseAdapter() {

    public void mouseClicked(MouseEvent e) {
        user="ASicS";
        new buy();
        dispose();

    }

});

lF4.setToolTipText("Dovas High. "
                   + "\nBrand:ASicS");

lF5.addMouseListener(new MouseAdapter() {

    public void mouseClicked(MouseEvent e) {
        user="BATA";
```

```
        new buy();
        dispose();
    }
});
lF5.setToolTipText("Students Wear.  "
                    + "\nBrand: BATA");
}
}
```

```
class buy extends JFrame
{
    int stock;
    buy()
    {
        JPanel panel = new JPanel();
        add(panel);
        setVisible(true);
        setSize(700,600);
        panel.setBackground(Color.WHITE);
        Border border = new LineBorder(Color.ORANGE, 4, true);
        panel.setBorder(border);
        // set the border of this component
        panel.setBorder(border);
        // f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        ImageIcon bg1=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\ur.jpg");
        JLabel la=new JLabel(bg1);
        la.setHorizontalTextPosition(JLabel.CENTER);
        la.setVerticalTextPosition(JLabel.CENTER);
        la.setVerticalAlignment(JLabel.TOP);
        // ImageIcon bg2=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\ur.jpg");
        ImageIcon bg3=new ImageIcon("C:\\Users\\Asus\\Pictures\\Saved
Pictures\\bg2.png");
        setResizable(false);
        JLabel la1=new JLabel(bg3);
```

```
//la1.setHorizontalTextPosition(JLabel.LEFT);
JLabel b=new JLabel ("ORDER");
b.setBounds(900,700,90,30);
b.setFont(new Font("Bradley Hand ITC", Font.BOLD, 35));
panel.add(b);
JLabel b1=new JLabel ("ADD TO CART");
b1.setBounds(1300,700,90,30);
b1.setFont(new Font("Bradley Hand ITC", Font.BOLD, 35));
panel.add(b1);
panel.add(la);
b.addMouseListener(new MouseAdapter() {

    public void mouseClicked(MouseEvent e) {

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
            Statement stmt=con.createStatement();
            if (con!=null)
            {
                System.out.println("connection sucess");
            }

            ResultSet result = stmt.executeQuery("select * from
stocks where brand='"+homepage.user+"' ");//table in the database
            while(result.next()) {
                stock= result.getInt("stock");
                if (stock==0)
                {
                    JFrame f=new JFrame();
                    JOptionPane.showMessageDialog(f,"Sorry ,Insufficient
Stock\nPlease Try Another Brand","Alert",JOptionPane.WARNING_MESSAGE);

                    new homepage();
                }
                else
                {
                    dispose();

                    new order();
```

```
        }
    }

}

catch(SQLException ex)
{
    System.out.println("Error:"+ex);
} catch (ClassNotFoundException e1) {
    // TODO Auto-generated catch block
    e1.printStackTrace();
}

}

public void mouseEntered(MouseEvent e) {
    b.setBackground(Color.orange);
    b.setOpaque(true);
}
public void mouseExited(MouseEvent e)
{
    b.setBackground(null);
    b.setOpaque(true);
}
});
b1.addMouseListener(new MouseAdapter() {

    public void mouseClicked(MouseEvent e) {
        dispose();

        new cart();
    }
    public void mouseEntered(MouseEvent e) {
        b1.setBackground(Color.orange);
        b1.setOpaque(true);
    }
    public void mouseExited(MouseEvent e)
    {
        b1.setBackground(null);
        b1.setOpaque(true);
    }
}
```



```
    });
    //JLabel la2=new JLabel(bg2);
    //la2.setHorizontalTextPosition(JLabel.LEFT);
    UIManager.put("ToolTip.background", Color.orange);
    UIManager.put("ToolTip.border",new LineBorder(Color.BLACK,1));
    b.setToolTipText("Click here for order !!");
    b1.setToolTipText("Click here to add ur's !!");

    panel.add(la1);
}

}
class aboutus extends JFrame
{

    aboutus(){
        setVisible(true);
        setSize(250,250);
        // setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        JTabbedPane jea=new JTabbedPane();
        JPanel det=new JPanel();
        JPanel ppt=new JPanel();
        JPanel be=new JPanel();
        jea.addTab("ABOUT US",det);
        jea.addTab("HELP",be);

        add(jea);
        JLabel ic=new JLabel("contact deatils");
        JLabel iic=new JLabel("please contact us for any
clarifications");

        JLabel ic11=new JLabel("

");

        JLabel ic1=new JLabel(" phone no:8876543209");
        JLabel ic2=new JLabel("mail.id: dv@gmail.com\\n ");
        JLabel B=new JLabel(new
ImageIcon("C:\\Users\\Asus\\Pictures\\Saved Pictures\\online.jpeg"),JLabel.CENTER);
        det.add(B);
        be.add(ic);
        be.add(iic);
        be.add(ic11);
```

```
        be.add(ic1);
        be.add(ic2);
        getContentPane().setBackground(Color.WHITE);

    }
}
class address
{
    JMenu menu, submenu;
    // JMenuItem i1, i2, i3, i4, i5;
    address(){
        JFrame f= new JFrame("Address");
        JMenuBar mb=new JMenuBar();
        menu=new JMenu("Address");
        // i1=new JMenuItem("Local Address");
        // i2=new JMenuItem("Country Adress");
        // menu.add(i1);
        // menu.add(i2);
        //mb.add(menu);
        f.setJMenuBar(mb);
        f.setSize(400,400);
        f.setLayout(null);
        f.setVisible(true);
        f.setLayout(null);
        f.setVisible(true);
        f.getContentPane().setBackground(Color.WHITE);

    }
}

class brand extends JFrame
{
    brand()

    {

        setVisible(true);
        setSize(200,200);
    }
}
```

```
DefaultMutableTreeNode style=new DefaultMutableTreeNode("BRAND");
DefaultMutableTreeNode color=new DefaultMutableTreeNode("ADIDAS");
DefaultMutableTreeNode font1=new DefaultMutableTreeNode("ASICS");
DefaultMutableTreeNode font2=new DefaultMutableTreeNode("PUMA");
DefaultMutableTreeNode font3=new DefaultMutableTreeNode("SKECHERS");
DefaultMutableTreeNode font4=new DefaultMutableTreeNode("BATA");

style.add(color);
style.add(font1);
style.add(font2);
style.add(font3);
style.add(font4);

DefaultMutableTreeNode ADIDAS=new DefaultMutableTreeNode("red");
DefaultMutableTreeNode ADIDAS1=new DefaultMutableTreeNode("blue");
DefaultMutableTreeNode ADIDAS2=new DefaultMutableTreeNode("black");
DefaultMutableTreeNode ADIDAS3=new DefaultMutableTreeNode("green");
DefaultMutableTreeNode ADIDAS4=new DefaultMutableTreeNode("red with
black");

DefaultMutableTreeNode ADIDAS5=new DefaultMutableTreeNode("white");

color.add(ADIDAS);
color.add(ADIDAS1);
color.add(ADIDAS2);
color.add(ADIDAS3);
color.add(ADIDAS4);
color.add(ADIDAS5);
DefaultMutableTreeNode PUMA=new DefaultMutableTreeNode("red");
DefaultMutableTreeNode PUMA1=new DefaultMutableTreeNode("black");
DefaultMutableTreeNode PUMA2=new DefaultMutableTreeNode("pink");
DefaultMutableTreeNode PUMA3=new DefaultMutableTreeNode("white");
DefaultMutableTreeNode PUMA4=new DefaultMutableTreeNode("yellow");
font2.add(PUMA);
font2.add(PUMA1);
font2.add(PUMA2);
font2.add(PUMA3);
font2.add(PUMA4);
DefaultMutableTreeNode ASICS=new DefaultMutableTreeNode("red");
DefaultMutableTreeNode ASICS1=new DefaultMutableTreeNode("balck");
DefaultMutableTreeNode ASICS2=new DefaultMutableTreeNode("green");
DefaultMutableTreeNode ASICS3=new DefaultMutableTreeNode("blue");
```

```
DefaultMutableTreeNode ASICS4=new DefaultMutableTreeNode("pink with  
white");  
DefaultMutableTreeNode ASICS5=new DefaultMutableTreeNode("red with  
brown");  
DefaultMutableTreeNode ASICS6=new DefaultMutableTreeNode("redish  
white");  
font1.add(ASICS);  
font1.add(ASICS1);  
font1.add(ASICS2);  
font1.add(ASICS3);  
font1.add(ASICS4);  
font1.add(ASICS5);  
font1.add(ASICS6);  
DefaultMutableTreeNode SKECHERS=new DefaultMutableTreeNode("balck");  
DefaultMutableTreeNode SKECHERS1=new DefaultMutableTreeNode("balck  
with white");  
DefaultMutableTreeNode SKECHERS2=new DefaultMutableTreeNode("red");  
DefaultMutableTreeNode SKECHERS3=new DefaultMutableTreeNode("blue");  
DefaultMutableTreeNode SKECHERS4=new DefaultMutableTreeNode("green");  
DefaultMutableTreeNode SKECHERS5=new  
DefaultMutableTreeNode("purple");  
font3.add(SKECHERS);  
font3.add(SKECHERS1);  
font3.add(SKECHERS2);  
font3.add(SKECHERS3);  
font3.add(SKECHERS4);  
font3.add(SKECHERS5);  
DefaultMutableTreeNode BATA=new DefaultMutableTreeNode("balck");  
DefaultMutableTreeNode BATA1=new DefaultMutableTreeNode("blue");  
DefaultMutableTreeNode BATA2=new DefaultMutableTreeNode("red");  
DefaultMutableTreeNode BATA3=new DefaultMutableTreeNode("green");  
DefaultMutableTreeNode BATA4=new DefaultMutableTreeNode("pink");  
DefaultMutableTreeNode BATA5=new DefaultMutableTreeNode("white");  
DefaultMutableTreeNode BATA6=new DefaultMutableTreeNode("brown");  
font4.add(BATA);  
font4.add(BATA1);  
font4.add(BATA2);  
font4.add(BATA3);  
font4.add(BATA4);  
font4.add(BATA5);  
font4.add(BATA6);  
JPanel panel = new JPanel();
```

```
        getContentPane().setBackground(Color.WHITE);
        setSize(500,500);
        // add(panel, BorderLayout.CENTER);

        // set the border of this component
        // panel.setBackground(Color.WHITE);
        setTitle("HERE OUR AVAILABLE BRANDS ");
        JTree jt=new JTree(style);

        add(panel);
            panel.add(jt);
            setVisible(true);
            setSize(200,200);
            panel.setBackground(Color.WHITE);
            Border border = new LineBorder(Color.ORANGE, 4, true);
            panel.setBorder(border);
            // set the border of this component
            panel.setBorder(border);
        // f.setResizable(false);
        setVisible(true);
//    f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

}

}

class size extends JFrame
{
    // Package
    // frame
    JFrame f;
    // Table
    JTable j;

    // Constructor
    size()
    {
```

```
        setTitle("AVAILABLE SIZES");
        //getContentPane().setBackground(Color.WHITE);
        setResizable(false);
        // Data to be displayed in the JTable
        String[][] data = {
            { "    PUMA", "6 INCHES", "RUPEES 150" },
            { "    PUMA", "7 INCHES", "RUPEES 250" },
            { "    PUMA", "8 INCHES", "RUPEES 300" },
            { "    PUMA", "9 INCHES", "RUPEES 450" },
            { "    ADIDAS", "6 INCHES", "RUPEES 250" },
            { "    ADIDAS", "7 INCHES", "RUPEES 450" },
            { "    ADIDAS", "8 INCHES", "RUPEES 800" },
            { "    ADIDAS", "9 INCHES", "RUPEES 1000" },
            { "    ASICS", "6 INCHES", "RUPEES 250" },
            { "    ASICS", "7 INCHES", "RUPEES 350" },
            { "    ASICS", "8 INCHES", "RUPEES 400" },
            { "    ASICS", "9 INCHES", "RUPEES 600" },
            { "    BATA", "6 INCHES", "RUPEES 50" },
            { "    BATA", "7 INCHES", "RUPEES 250" },
            { "    BATA", "8 INCHES", "RUPEES 290" },
            { "    BATA", "9 INCHES", "RUPEES 400" },
            { "    SKECHERS", "6 INCHES", "RUPEES 1050" },
            { "    SKECHERS", "7 INCHES", "RUPEES 2500" },
            { "    SKECHERS", "8 INCHES", "RUPEES 2090" },
            { "    SKECHERS", "9 INCHES", "RUPEES 4000" }
        };

        // Column Names
        String[] columnNames = { "BRAND", "SIZE", "COST" };

        // Initializing the JTable
        j = new JTable(data, columnNames);
        j.setBounds(30, 40, 150, 300);
        JPanel panel = new JPanel();
        add(panel);
        //setVisible(true);
        //setSize(200,200);
        panel.setBackground(Color.WHITE);
        Border border = new LineBorder(Color.ORANGE, 4, true);
        panel.setBorder(border);
        // set the border of this component
```

```
        panel.setBorder(border);
        // adding it to JScrollPane
        JScrollPane sp = new JScrollPane(j);
        panel.add(sp);
    //    f.getContentPane().setBackground(Color.WHITE);
    //    Frame Size
    setSize(500, 500);

    // Frame Visible = true
    setVisible(true);
}

}

class cart extends JFrame {

    JPanel panel;
    JLabel user_label,size;
    JTextField userName_text,tsize;

    JButton submit;
    cart() {

        // User Label
        user_label = new JLabel();
        user_label.setText("Color :");
        // user_label.setFont(new Font("Arial", Font.PLAIN, 20));
        user_label.setSize(100, 20);
        user_label.setLocation(50, 50);
        userName_text = new JTextField();
        userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
        userName_text.setSize(10, 10);
        userName_text.setLocation(100, 50);
        size=new JLabel("Size:");
        size.setSize(100, 20);
        size.setLocation(50, 100);
        size.setFont(new Font("Arial", Font.PLAIN, 20));
        tsize=new JTextField();
        size.setFont(new Font("Arial", Font.PLAIN, 15));
        size.setSize(10, 10);
```

```
    tsize.setLocation(100, 100);
    userName_text.setToolTipText("Enter your whished color !!");
    submit = new JButton("ADD TO CART");
    //submit.setLocation(300, 300);
    tsize.setToolTipText("Enter your whished size !!");

    JPanel panel = new JPanel();
    panel.setBackground(Color.WHITE);
    GridLayout layout = new GridLayout(3,3);
    layout.setVgap(30);
    panel.setLayout(layout);

    panel.add(user_label);
    panel.add(userName_text);
    panel.add(size);
    panel.add(tsize);
    panel.add(submit);

    // setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

    // Adding the listeners to components..

    add(panel, BorderLayout.CENTER);
    Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

    // set the border of this component
    panel.setBorder(border);

    setSize(300, 200);
    setVisible(true);
    //setTitle("SING UP");
    //setBounds(300, 90, 900, 600);
    //setDefaultCloseOperation(EXIT_ON_CLOSE);
    //setResizable(false);

    submit.addActionListener(new ActionListener()
    {
        public void actionPerformed(ActionEvent e)
        {
```



```
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
            Statement stmt=con.createStatement();
            if (con!=null)
            {
                System.out.println("connection sucess");
            }

            stmt.executeUpdate("insert into addcart
values('"+login.name+"','"+homepage.user+"','"+
userName_text.getText()+"','"+tsize.getText()+"')");

            JFrame Sucess_Message=new JFrame();
            JOptionPane.showMessageDialog(Sucess_Message,"YOUR
CHOICE HAS ADDED SUCCESSFULLY\nTHAN YOU");
            new homepage();
            dispose();
        }

        catch(SQLException ex)
        {
            System.out.println("Error:"+ex);
        } catch (ClassNotFoundException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }
    }
}
```

```
});
```

```
}
```

```
}
```

```
class order extends JFrame
{
    private JComboBox date1;
        private JComboBox month;
        private JComboBox year;
    String m;
    String d;
    String y;
    Container c;
    private JLabel name;
    private JTextField tname;
    private JLabel mno;
    private JTextField tmno;
    private JLabel add;
    private JTextField tadd;
        JButton sub;
    //private JTextArea tout;
    //private JLabel res;
    String data1;
    int stock;
        public static final String DATE_FORMAT_NOW = "dd-MM-yyyy";

        private String dates[]
            = { "1", "2", "3", "4", "5",
```

```
        "6", "7", "8", "9", "10",
        "11", "12", "13", "14", "15",
        "16", "17", "18", "19", "20",
        "21", "22", "23", "24", "25",
        "26", "27", "28", "29", "30",
        "31" };
    private String months[]
        = { "01", "02", "03", "04",
            "05", "06", "07", "08",
            "09", "10", "11", "12" };
    private String years[]
        = {
            "2020", "2021", "2022" };

// constructor, to initialize the components
// with default values.
order() //throws ClassNotFoundException
{
    setBounds(300, 90, 400, 450);

    setTitle("Cash on delivery!");
    //setDefaultCloseOperation(EXIT_ON_CLOSE);
    setResizable(false);

    c = getContentPane();
    c.setLayout(null);
    Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

    // set the border of this component
    ((JComponent) c).setBorder(border);
    c.setBackground(Color.WHITE);
    name = new JLabel("color");
    name.setFont(new Font("SansScript", Font.PLAIN, 20));
    name.setSize(100, 20);
    name.setLocation(60, 100);
    c.add(name);

    tname = new JTextField();
    tname.setFont(new Font("SansScript", Font.PLAIN, 15));
    tname.setSize(190, 20);
    tname.setLocation(150, 100);
    c.add(tname);
```

```
mno = new JLabel("size");
mno.setFont(new Font("SansScript", Font.PLAIN, 20));
mno.setSize(100, 20);
mno.setLocation(60, 150);
c.add(mno);

tmno = new JTextField();
tmno.setFont(new Font("SansScript", Font.PLAIN, 15));
tmno.setSize(190, 20);
tmno.setLocation(150, 150);
c.add(tmno);

add = new JLabel("expected date of deliver");
add.setFont(new Font("SansScript", Font.PLAIN, 20));
add.setSize(250, 20);
add.setLocation(60, 200);
c.add(add);

date1 = new JComboBox(dates);
date1.setFont(new Font("Arial", Font.PLAIN, 15));
date1.setSize(50, 20);
date1.setLocation(200, 250);
c.add(date1);

month = new JComboBox(months);
month.setFont(new Font("Arial", Font.PLAIN, 15));
month.setSize(60, 20);
month.setLocation(250, 250);
c.add(month);

year = new JComboBox(years);
year.setFont(new Font("Arial", Font.PLAIN, 15));
year.setSize(60, 20);
year.setLocation(320, 250);
c.add(year);

sub = new JButton("Order NOW!");
sub.setFont(new Font("Arial", Font.PLAIN, 15));
sub.setSize(120, 20);
sub.setLocation(120, 300);
```

```
c.add(sub);

setVisible(true);
String date = DateTime();

sub.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent e)
    {

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
            Statement stmt=con.createStatement();
            if (con!=null)
            {
                System.out.println("connection sucess");
            }

            stmt.executeUpdate("insert into buy
values('"+login.name+"','"+homepage.user+"','"+tname.getText()+"','"+tmno.getText()+"'
','"+date+"','"+ (String)year.getSelectedItem()+"'-'+(String)month.getSelectedItem()+"'-'
'+(String)date1.getSelectedItem()+"')");

            JFrame Sucess_Message=new JFrame();

            JOptionPane.showMessageDialog(Sucess_Message,"Thank you\n"
+ "Your order will be delivered
soon");

            dispose();

            new homepage();

            stmt.executeUpdate("update
stocks"+" Set stock = stock- 1  where brand='"+homepage.user+"' ");
```

```
        }

        catch(SQLException ex)
        {
            System.out.println("Error:"+ex);
        } catch (ClassNotFoundException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }

    }

});

}

public static String DateTime(){
    Calendar cal = Calendar.getInstance();
    SimpleDateFormat sdf = new SimpleDateFormat( DATE_FORMAT_NOW);
    return sdf.format(cal.getTime());
}
}
class name extends JFrame
{
    JPanel panel;
    JLabel password_label;
    JPasswordField password_text;
    JButton submit;
    String Usernames;

    name() {

        // User Label
        /* user_label = new JLabel();
        user_label.setText("User Name :");
        user_label.setFont(new Font("Arial", Font.PLAIN, 20));
```

```
user_label.setSize(100, 20);
user_label.setLocation(100, 100);
userName_text = new JTextField();
userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
userName_text.setSize(190, 20);
userName_text.setLocation(200, 100); */

// Password

password_label = new JLabel();
password_label.setText("Reset Your Name :");
password_label.setFont(new Font("Arial", Font.PLAIN, 20));
password_label.setSize(100, 20);
password_label.setLocation(100, 150);
password_text = new JTextField();
password_text.setFont(new Font("Arial", Font.PLAIN, 15));
password_text.setSize(150, 20);
password_text.setLocation(200, 150);

// Submit

submit = new JButton("SUBMIT");

// panel = new JPanel(new GridLayout(3, 1));
//panel.setVgap(30);
JPanel panel = new JPanel();
panel.setBackground(Color.WHITE);
GridLayout layout = new GridLayout(3,3);
layout.setVgap(30);
panel.setLayout(layout);

// panel.add(user_label);
//panel.add(userName_text);
panel.add(password_label);
panel.add(password_text);

panel.add(submit);

// setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
// Adding the listeners to components..
// submit.addActionListener(this);
add(panel, BorderLayout.CENTER);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
panel.setBorder(border);

setTitle("Reset your Name here !");
setSize(300, 200);
setVisible(true);
//setTitle("SING UP");
//setBounds(300, 90, 900, 600);
//setDefaultCloseOperation(EXIT_ON_CLOSE);
//setResizable(false);
submit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
            Statement stmt=con.createStatement();
            if (con!=null)
            {
                System.out.println("connection sucess");
            }

            stmt.executeUpdate("update signup"+" Set
Name='"+password_text.getText()+"' where Name='"+login.name+"' ");
            JFrame f=new JFrame();
            JOptionPane.showMessageDialog(f,"Name Changed\n
please login once","Alert",JOptionPane.WARNING_MESSAGE);
            String def = "";
            password_text.setText(def);
            dispose();
            new onlineshopping();

        }
    }
});
```



```
        catch(SQLException ex)
        {
            System.out.println("Error:"+ex);
        } catch (ClassNotFoundException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        } catch (IOException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }
    }

});

}

class mobile extends JFrame
{
    JPanel panel;
    JLabel password_label;
    JTextField password_text;
    JButton submit;
    String Usernames;

    mobile() {

        // User Label
        /* user_label = new JLabel();
        user_label.setText("User Name :");
        user_label.setFont(new Font("Arial", Font.PLAIN, 20));
        user_label.setSize(100, 20);
        user_label.setLocation(100, 100);
        userName_text = new JTextField();
        userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
        userName_text.setSize(190, 20);
        userName_text.setLocation(200, 100); */

        // Password
```

```
password_label = new JLabel();
password_label.setText("Reset Your Mobile Number :");
password_label.setFont(new Font("Arial", Font.PLAIN, 20));
password_label.setSize(100, 20);
password_label.setLocation(100, 150);
password_text = new JTextField();
password_text.setFont(new Font("Arial", Font.PLAIN, 15));
password_text.setSize(150, 20);
password_text.setLocation(200, 150);

// Submit

submit = new JButton("SUBMIT");

// panel = new JPanel(new GridLayout(3, 1));
//panel.setVgap(30);
JPanel panel = new JPanel();
panel.setBackground(Color.WHITE);
GridLayout layout = new GridLayout(3,3);
layout.setVgap(30);
panel.setLayout(layout);

// panel.add(user_label);
//panel.add(userName_text);
panel.add(password_label);
panel.add(password_text);

panel.add(submit);

// setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

// Adding the listeners to components..
// submit.addActionListener(this);
add(panel, BorderLayout.CENTER);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
panel.setBorder(border);
```

```
        setTitle("Reset your Mobile no here !");
        setSize(300, 200);
        setVisible(true);
        //setTitle("SING UP");
        //setBounds(300, 90, 900, 600);
        //setDefaultCloseOperation(EXIT_ON_CLOSE);
        //setResizable(false);
submit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
            Statement stmt=con.createStatement();
            if (con!=null)
            {
                System.out.println("connection sucess");
            }

            stmt.executeUpdate("UPDATE `signup` SET `Mobile
no`='"+password_text.getText()+"' WHERE `Name`='"+login.name+"'");
            JFrame f=new JFrame();
            JOptionPane.showMessageDialog(f,"mobile number
Changed","Alert",JOptionPane.WARNING_MESSAGE);
            String def = "";
            password_text.setText(def);
            dispose();

        }

        catch(SQLException ex)
        {
            System.out.println("Error:"+ex);
        } catch (ClassNotFoundException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }

    }

});
```

```
    }  
  
}  
  
class pass extends JFrame  
{  
    JPanel panel;  
    JLabel password_label;  
    JTextField password_text;  
    JButton submit;  
    String Usernames;  
  
    pass() {  
  
        // User Label  
        /* user_label = new JLabel();  
        user_label.setText("User Name :");  
        user_label.setFont(new Font("Arial", Font.PLAIN, 20));  
        user_label.setSize(100, 20);  
        user_label.setLocation(100, 100);  
        userName_text = new JTextField();  
        userName_text.setFont(new Font("Arial", Font.PLAIN, 15));  
        userName_text.setSize(190, 20);  
        userName_text.setLocation(200, 100); */  
  
        // Password  
  
        password_label = new JLabel();  
        password_label.setText("Reset Your Password :");  
        password_label.setFont(new Font("Arial", Font.PLAIN, 20));  
        password_label.setSize(100, 20);  
        password_label.setLocation(100, 150);  
        password_text = new JTextField();  
        password_text.setFont(new Font("Arial", Font.PLAIN, 15));  
        password_text.setSize(150, 20);  
        password_text.setLocation(200, 150);  
  
        // Submit
```

```
        submit = new JButton("SUBMIT");

// panel = new JPanel(new GridLayout(3, 1));
//panel.setVgap(30);
JPanel panel = new JPanel();
panel.setBackground(Color.WHITE);
GridLayout layout = new GridLayout(3,3);
layout.setVgap(30);
panel.setLayout(layout);

// panel.add(user_label);
//panel.add(userName_text);
panel.add(password_label);
panel.add(password_text);


// setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

// Adding the listeners to components..
// submit.addActionListener(this);
add(panel, BorderLayout.CENTER);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
panel.setBorder(border);

panel.add(submit);

setTitle("Reset your password here !");
setSize(300, 200);
setVisible(true);
//setTitle("SING UP");
//setBounds(300, 90, 900, 600);
//setDefaultCloseOperation(EXIT_ON_CLOSE);
//setResizable(false);
submit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        try {
            Class.forName("com.mysql.jdbc.Driver");
```

```
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
        Statement stmt=con.createStatement();
        if (con!=null)
        {
            System.out.println("connection sucess");
        }

        stmt.executeUpdate("update signup"+" Set
Password='"+password_text.getText()+"' where Name='"+login.name+"' ");
        JFrame f=new JFrame();
        JOptionPane.showMessageDialog(f,"Password
Changed","Alert",JOptionPane.WARNING_MESSAGE);
        String def = "";
        password_text.setText(def);
        dispose();
    }

    catch(SQLException ex)
    {
        System.out.println("Error:"+ex);
    } catch (ClassNotFoundException e1) {
        // TODO Auto-generated catch block
        e1.printStackTrace();
    }
}

});

}

}

class city extends JFrame
{
    JPanel panel;
    JLabel password_label;
    JTextField password_text;
    JButton submit;
    String Usernames;
```

```
city() {

    // User Label
    /* user_label = new JLabel();
    user_label.setText("User Name :");
    user_label.setFont(new Font("Arial", Font.PLAIN, 20));
    user_label.setSize(100, 20);
    user_label.setLocation(100, 100);
    userName_text = new JTextField();
    userName_text.setFont(new Font("Arial", Font.PLAIN, 15));
    userName_text.setSize(190, 20);
    userName_text.setLocation(200, 100); */

    // Password

    password_label = new JLabel();
    password_label.setText("Reset Your City Name :");
    password_label.setFont(new Font("Arial", Font.PLAIN, 20));
    password_label.setSize(100, 20);
    password_label.setLocation(100, 150);
    password_text = new JTextField();
    password_text.setFont(new Font("Arial", Font.PLAIN, 15));
    password_text.setSize(150, 20);
    password_text.setLocation(200, 150);

    // Submit

    submit = new JButton("SUBMIT");

    // panel = new JPanel(new GridLayout(3, 1));
    //panel.setVgap(30);
    JPanel panel = new JPanel();
    panel.setBackground(Color.WHITE);
    GridLayout layout = new GridLayout(3,3);
    layout.setVgap(30);
    panel.setLayout(layout);

    // panel.add(user_label);
    //panel.add(userName_text);
```

```
        panel.add(password_label);
        panel.add(password_text);

// setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

// Adding the listeners to components..
// submit.addActionListener(this);
add(panel, BorderLayout.CENTER);
Border border = BorderFactory.createLineBorder(Color.ORANGE, 5);

// set the border of this component
panel.setBorder(border);
panel.add(submit);

setTitle("Reset your City Name here !");
setSize(300, 200);
setVisible(true);
//setTitle("SING UP");
//setBounds(300, 90, 900, 600);
//setDefaultCloseOperation(EXIT_ON_CLOSE);
//setResizable(false);
submit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
{
    try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/shopping","root","");
        Statement stmt=con.createStatement();
        if (con!=null)
        {
            System.out.println("connection sucess");
        }

        stmt.executeUpdate("update signup"+" Set
City='"+password_text.getText()+"' where Name='"+login.name+"' ");
        JFrame f=new JFrame();
```



```
JOptionPane.showMessageDialog(f,"City name  
Changed","Alert",JOptionPane.WARNING_MESSAGE);  
String def = "";  
password_text.setText(def);  
dispose();  
}  
  
catch(SQLException ex)  
{  
    System.out.println("Error:"+ex);  
} catch (ClassNotFoundException e1) {  
    // TODO Auto-generated catch block  
    e1.printStackTrace();  
}  
  
}  
  
});  
  
}  
  
}
```

REFERENCES

- 1) <https://www.java.com/en/>
- 2) <https://www.oracle.com/java/technologies/>
- 3) https://www.w3schools.com/java/java_intro.asp
- 4) <https://www.w3schools.com/java/>
- 5) [https://en.wikipedia.org/wiki/Java_\(programming_language\)](https://en.wikipedia.org/wiki/Java_(programming_language))