



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology and Engineering (SITE)

M.Tech(Software Engineering)

Course Project Report

CAFÉ COFFEE DAY

Submitted for the Course SWE 1014: Enterprise Resource Planning

Offered by Dr. R. K. NADESH during FALL 2018

By

**K.SOWMIYA DEVI
KARTHIK.V
MANO BALA. R**

**16MIS0400
16MIS0021
16MIS0433**

November 2018



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology & Engineering
M.Tech (Software Engineering) FALL 2018
SWE 1014: Enterprise Resource Planning
A Report on the Course Project
CAFÉ COFFEE DAY

Team Member(s):

R.Mano Bala 16MIS0433
K.Sowmiya devi 16MIS0400
V.Karthik 16MIS0210

Project Title : CAFE COFFEE DAY

1. Introduction

1.1 Background (System Study Details in brief)

- CCD held a contest around a very popular program on Zee English called 'friends'. All the six lead characters are shown often visiting a coffee shop. Besides that Café coffee day also tied up with lot of brands. They had a contest going on with Levis, Liril and recently with Airtel.
- The best Indian coffees are growing in the highest places of Chikkamagalur, most of the CCD coffee plantations placed in this region. The only original Indian brand having good interrelationships with the other players of coffee supply chain.
- The eatables at Café Coffee Day are catered by different vendors such as ice cream by Cream Bell, Milk by Amul and snacks by local vendors.
- CCD takes some of the personal information from the customers like Birthdate, Anniversary and some preferences.

1.2 Problem Statement

Café Coffee Day has a great success story from the single store in Bangalore to approx 5000 outlets. With such an exponential growth they gradually started to feel the need of an integrated system to look after supply chain management because there was no proper medium of coordination between the suppliers and the outlet managers, due to this the flow of information at times the information was misinterpreted and not correlated this all happened because of no customer database was maintained and outlet manager could not recall the need of customer. There was not a proper inventory control, some outlets receive excess amount of inventory so the cost is increased and they were not able to come across this problem in the absence of proper information system. Billing problem, there was a deep problem faced by café coffee day in initial years working of frauds at billing, of some unusual favors done by ccd staff. To tackle it billing system was made centralized. and as soon as billing was done bill was generated, its copy was automatically mailed to regional head office and country head office. as well as standardization was brought in complete process of billing, by using MIS.

1.3 Importance

With the passing days lot of resources were wasted due to expanding business of ccd, in terms of logistics these were improper communication with logistics team about the requirement at different outlets within city, within state. Leading to problems like oversupply, late supply or at times no supply of requirement leading to opportunity loss and huge business loss bringing bad name amongst customers. In the competitive world to stay in business promotion and campaigning of product are equally important, all the promotion done on internet and e-media is handled by the team.

2. Overview and Planning

2.1 Proposed System Overview

To cope up with the arising problems, they had built in server storage system, but due to continuous exponential growth, the system collapsed because of small storage capability. This system didn't allow any type of centralization in respect of billing process and inventory control, making feel Bangalore headquarters helpless. They need such a storage infrastructure which can be scaled up against increasing demand. So at that point of time they went in for a direct –attach- storage solution from HP with the capacity of 3 tetra bytes. With the daily requirement of data base of about 2 giga byte which was to be stored and maintained ,to scale up the system with demand, in march 2008 ccd took the call to upgrade its system from Intel xeon environment to intel intanion based HP integrity based system.

2.2 Challenges

- To manage its complex and geographically diverse business, company has no full proof solution to handle production and supply and chain management.
- To integrate sales with the inventory with its finance and suppliers with logistics.
- To increase market penetration and optimal consumer base.

2.3 Assumptions

- Five centralized servers connected to various outlets to their regional head quarter and in the process all the outlets were connected to a country head quarter.
- All the information given regarding sales reach to the headquarters from all the outlets.
- From the given database they predict the demands of a particular products in different products and keep on introducing the new products according to the consumer taste and preferences.

2.4 Architecture Specifications

SAN of 15 tetra byte capacity, it has been sized for 3 years keeping in mind of 2 giga byte growth per day.

SAP –ERP application on SUSE Linux enterprise server.

2.5 Hardware Requirements

RAM: 16 MB Free RAM

Disk: 10 MB Free Space

Recommended Network: All leading protocols

2.6 Software Requirements

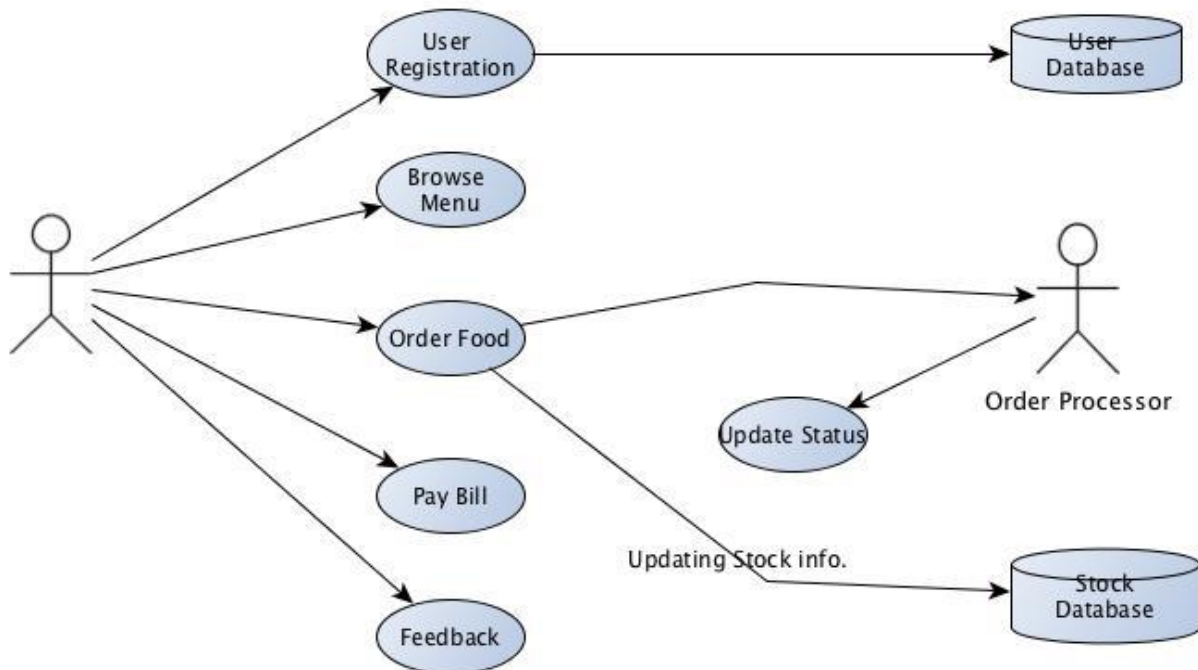
Processor:486, Pentium

O/S: Windows 9x/ME/NT4/2000/XP, Vista

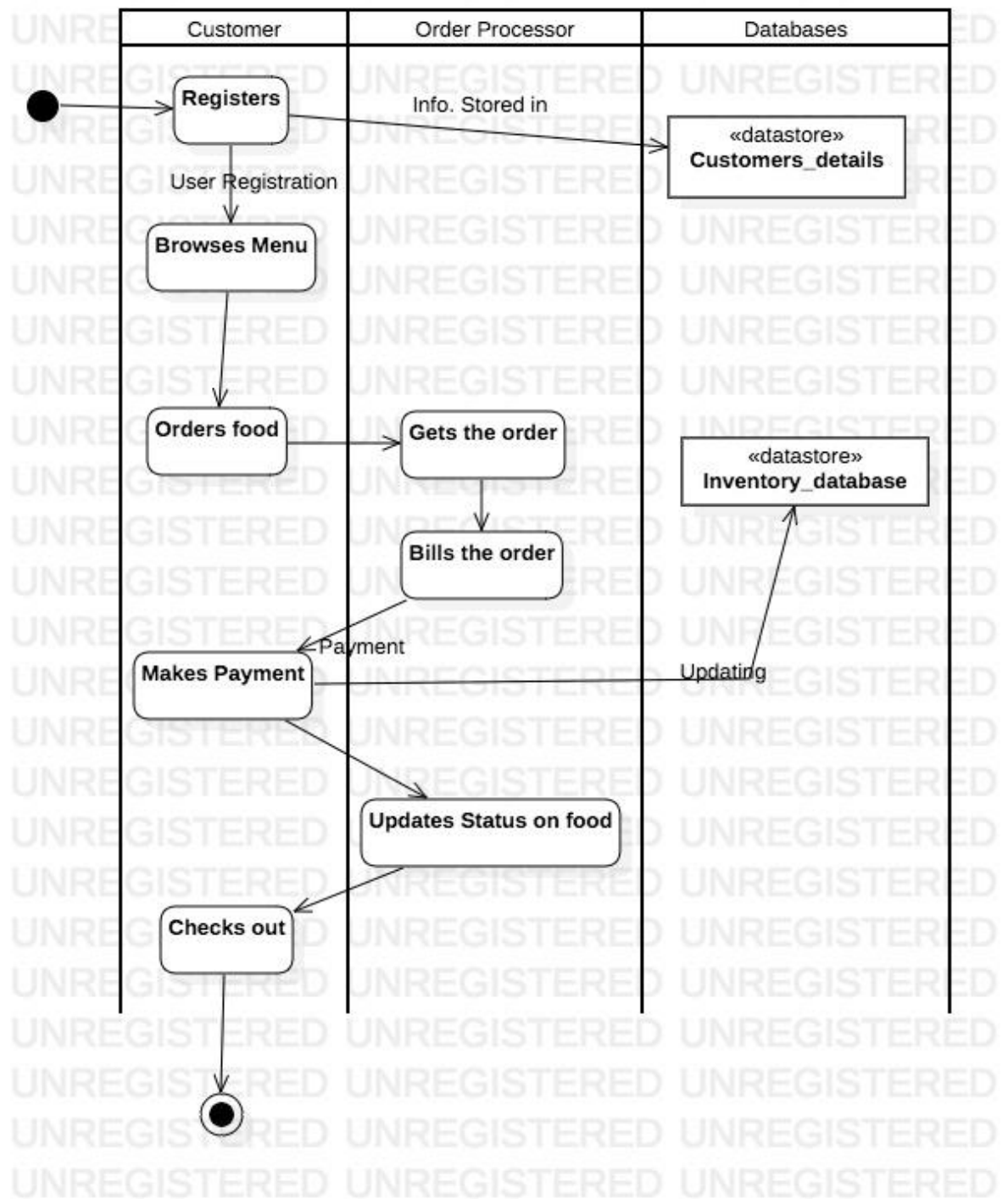
3. System Design

3.2 Low-Level Design:

Use Case Diagram:

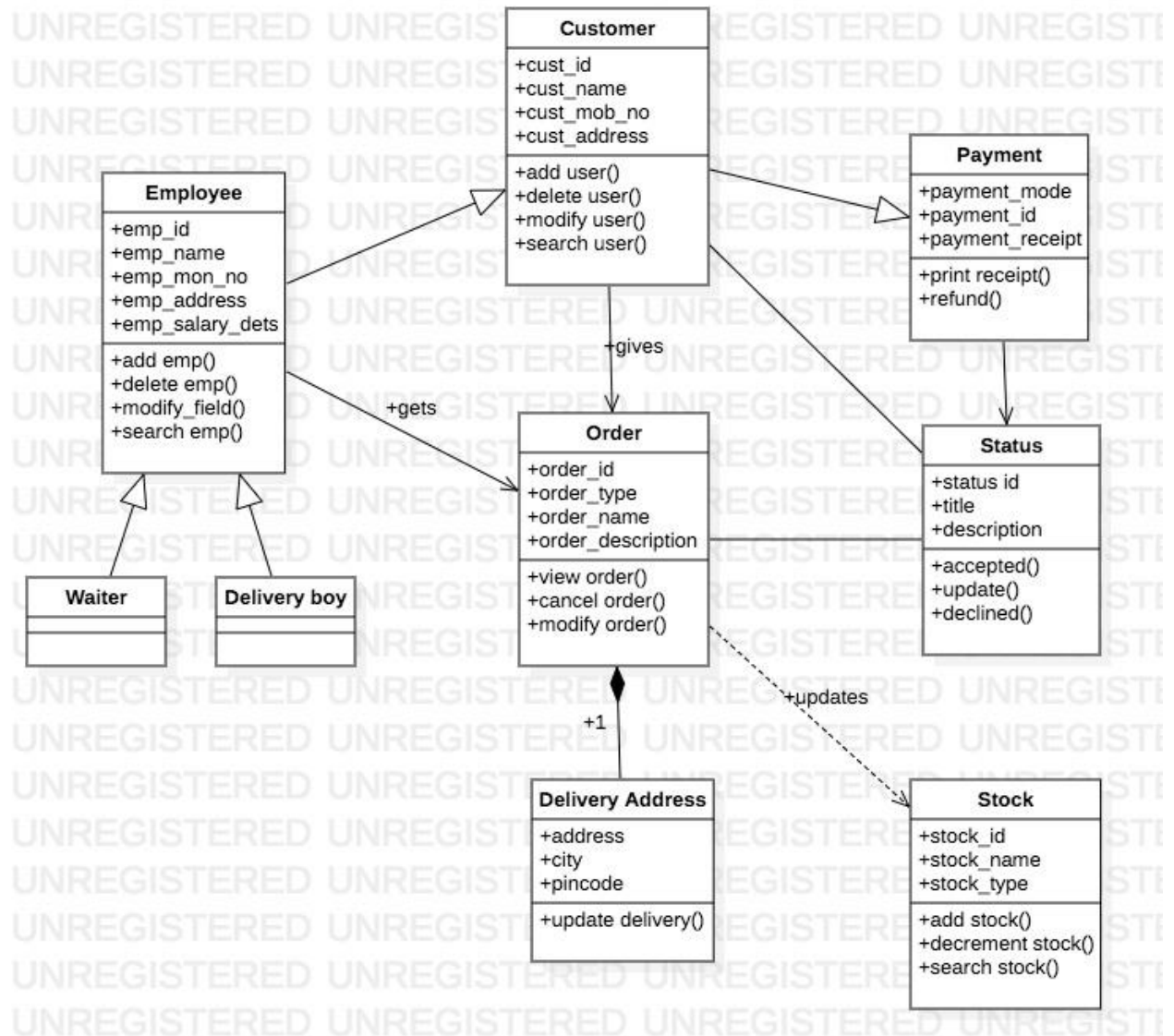


Activity Diagram:

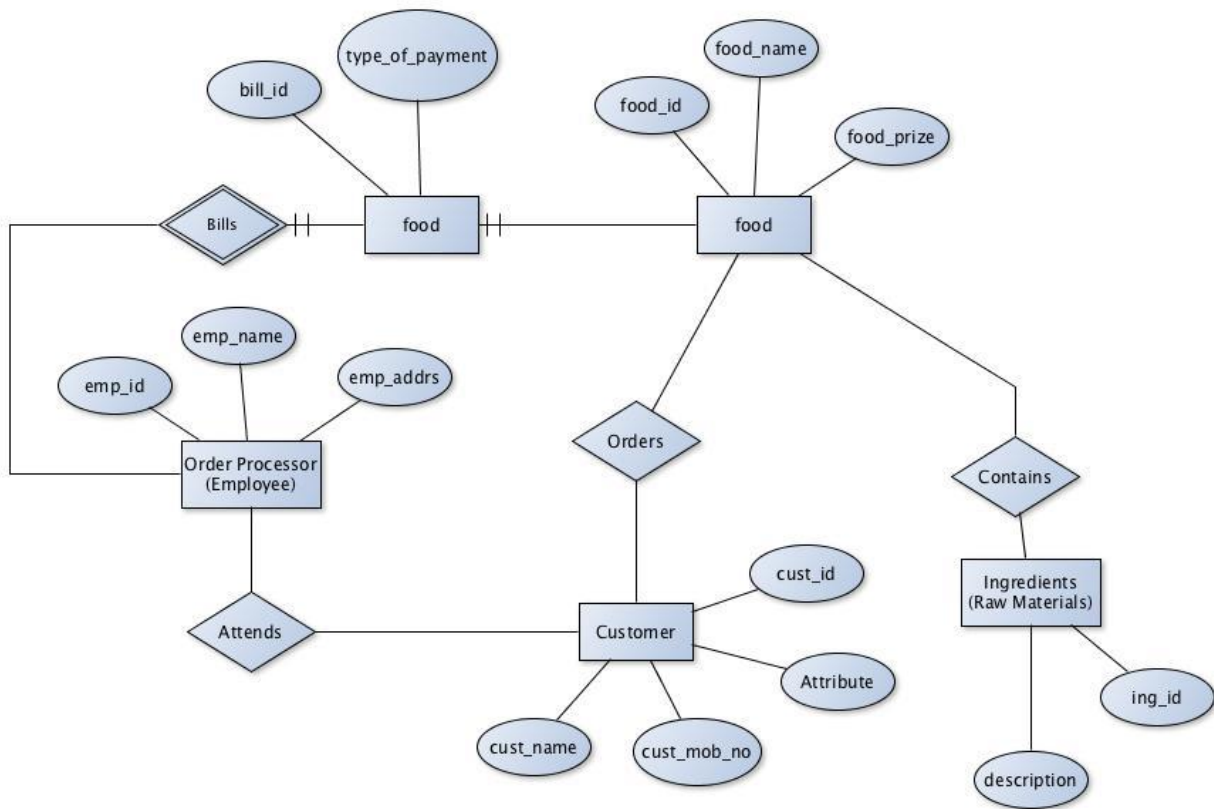


High Level Design:

Class Diagram:



ER – Diagram:



4. System Implementation

4.1 Module Development –Code

Adding Products Module:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 *
 */
package Coffee;
import Coffee.cafe;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.xml.transform.Result;

public class AddProducts extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;

    /**
     *
     */
    public AddProducts() {
        initComponents();
        conn=cafe.ConnecrDb();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        pid = new javax.swing.JTextField();
        pname = new javax.swing.JTextField();
        pq = new javax.swing.JTextField();
        pp = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
    }
```



```

jLabel8 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 51, 0));

jLabel1.setFont(new java.awt.Font("Cooper Black", 0, 18)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText(" PRODUCT ID");

jLabel2.setFont(new java.awt.Font("Cooper Black", 0, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("PRODUCT NAME");

jLabel3.setFont(new java.awt.Font("Cooper Black", 0, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("QUANTITY");

jLabel4.setFont(new java.awt.Font("Cooper Black", 0, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("PRICE");

jLabel8.setFont(new java.awt.Font("Cooper Black", 1, 24)); // NOI18N
jLabel8.setForeground(new java.awt.Color(255, 255, 255));
jLabel8.setText("ADMIN Products");

jButton1.setText("ADD");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("BACK");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(64, 64, 64)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1)
                .addComponent(jLabel2)
                .addComponent(jLabel3)
                .addComponent(jLabel4)
                .addComponent(jLabel8))
            .addContainerGap(100, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jButton1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jButton2)
            .addContainerGap(100, Short.MAX_VALUE))
);

```

```

        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(45, 45, 45)))
        .addComponent(jLabel3))
        .addGap(46, 46, 46)))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(pid, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 154, Short.MAX_VALUE)
        .addComponent(pname, javax.swing.GroupLayout.Alignment.LEADING))
        .addComponent(pq, javax.swing.GroupLayout.PREFERRED_SIZE, 154,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(pp, javax.swing.GroupLayout.PREFERRED_SIZE, 154,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 215,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(190, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(220, 220, 220)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(148, 148, 148))
        );
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 81,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(pid, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(pname, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(41, 41, 41)
        .addComponent(jLabel3))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
        .addGap(28, 28, 28)
        .addComponent(pq, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(36, 36, 36)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(pp, javax.swing.GroupLayout.PREFERRED_SIZE, 35,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel4))
    .addGap(28, 107, Short.MAX_VALUE))
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(40, 40, 40))))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addContainerGap())
);

pack();
} // </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new AdminLogin().setVisible(true);
    this.setVisible(false);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try
    {
        String f=pid.getText();
        String fi=pname.getText();
        String s=pq.getText();
        String d=pp.getText();

        //String sql="SELECT * FROM flights WHERE source=? and destination=?";
        String sql="INSERT INTO `product`(`Product_Id`, `Product_Name`, `Quantity`, `Price`) VALUES
        (?, ?, ?, ?)";
        pst=conn.prepareStatement(sql);
        pst.setString(1,f);
        pst.setString(2,fi);
        pst.setString(3,s);
        pst.setString(4,d);

        if(pst.executeUpdate()!=0)
        {

```

```

        JOptionPane.showMessageDialog(null,"Product ADDED");
    }
    else
        JOptionPane.showMessageDialog(null,"Incorrect DETAILS");
    }
    catch(Exception e)
    {
        e.printStackTrace();
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(AddProducts.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(AddProducts.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(AddProducts.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(AddProducts.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new AddProducts().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;

```

```

private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField pid;
private javax.swing.JTextField pname;
private javax.swing.JTextField pp;
private javax.swing.JTextField pq;
// End of variables declaration
}

```

Admin Login Module:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Coffee;
import Coffee.cafe;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.xml.transform.Result;

/**
 *
 * @author Hp
 */
public class AdminLogin extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;

    /**
     * Creates new form passengerdetails
     */
    public AdminLogin() {
        initComponents();
        conn=cafe.ConnecrDb();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();

```

```

Username = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jLabel4 = new javax.swing.JLabel();
password = new javax.swing.JPasswordField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 51, 0));

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("ADMIN LOGIN");

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("USERNAME");

jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("PASSWORD");

jButton1.setText("LOGIN");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("BACK");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(344, 344, 344)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jLabel2)
                                    .addComponent(jLabel3)
                                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 116,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGap(119, 119, 119)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                .addComponent(password, javax.swing.GroupLayout.DEFAULT_SIZE, 134, Short.MAX_VALUE)
                                .addComponent(Username)
                                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addContainerGap()
                            .addComponent(jLabel4)
                            .addGap(328, 328, 328)

```

```

        .addComponent(jLabel1)))
        .addContainerGap(201, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addContainerGap()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 77,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createSequentialGroup())
            .addGap(8, 8, 8)
            .addComponent(jLabel1)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(Username, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(40, 40, 40)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup())
            .addComponent(jLabel3)
            .addGap(64, 64, 64)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addComponent(password, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(88, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    pack();
} // </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Home().setVisible(true);
    this.setVisible(false);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(Username.getText().length()==0)
    {

```

```

        JOptionPane.showMessageDialog(null,"text field empty");
    }
    else if(password.getText().length()==0)
    {
        JOptionPane.showMessageDialog(null,"password is empty");
    }

    try
    {
        String username=Username.getText();
        char [] pwd=password.getPassword();
        String password=String.valueOf(pwd);
        String sql="select * from adminlogin where Username=? and Password=?";
        pst=conn.prepareStatement(sql);
        pst.setString(1,username);
        pst.setString(2,password);
        rs=pst.executeQuery();
        if(rs.next())
        {
            JOptionPane.showMessageDialog(null,"correct credentials");
            new AddProducts().setVisible(true);
            this.setVisible(false);

        }
        else
            JOptionPane.showMessageDialog(null,"Incorrect login");
    }

    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null,e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,

```



```

ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new AdminLogin().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JTextField Username;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField password;
// End of variables declaration
}

```

Customer Login Module:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Coffee;
import javax.swing.JOptionPane;
import Coffee.cafe;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.xml.transform.Result;
/**
 *
 * @author Hp
 */
public class CustomerLogin extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form loginform
     */
}

```

```

public CustomerLogin() {
    initComponents();
    conn=cafe.ConnecrDb();
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    Username = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    login = new javax.swing.JButton();
    Password = new javax.swing.JPasswordField();
    jLabel1 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE)
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 350, Short.MAX_VALUE)
    );

    jPanel2.setBackground(new java.awt.Color(255, 0, 0));

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(255, 255, 255));
    jLabel3.setText("LOGIN");

    jLabel4.setText("USERNAME");

    Username.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            UsernameActionPerformed(evt);
        }
    });

    jLabel5.setText("PASSWORD");

    jButton1.setText("BACK");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
}

```

```

});

login.setText("LOGIN");
login.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        loginMouseClicked(evt);
    }
});
login.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        loginActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jButton1)
                    .addGap(37, 37, 37)
                    .addComponent(login)
                    .addGap(41, 41, 41))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(jLabel4)
                    .addGap(44, 44, 44)
                    .addComponent(jLabel5)))
            .addGap(10, 10, 10))
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent>Password
                .addGap(10, 10, 10)
                .addComponent(Uname)))
            .addGap(10, 10, 10))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel3)
            .addGap(33, 33, 33)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(Uname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(37, 37, 37)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel5)
                .addComponent>Password, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(42, 42, 42)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton1)

```

```

        .addComponent(login))
        .addContainerGap(83, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold>

private void loginMouseClicked(java.awt.event.MouseEvent evt) {
}

private void loginActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (Username.getText().length() == 0)
    {
        JOptionPane.showMessageDialog(null, "text field empty");
    }
    else if (Password.getText().length() == 0)
    {
        JOptionPane.showMessageDialog(null, "password is empty");
    }
    try
    {
        String username = Username.getText();
        char [] pwd = Password.getPassword();
        String password = String.copyValueOf(pwd);
        String sql = "select * from login where Username=? and Password=?";
        pst = conn.prepareStatement(sql);
        pst.setString(1, username);
        pst.setString(2, password);
        rs = pst.executeQuery();
        if (rs.next())
        {
            JOptionPane.showMessageDialog(null, "correct credentials");
            new MainMenu().setVisible(true);
        }
    }
}

```

```

        this.setVisible(false);

    }
    else
        JOptionPane.showMessageDialog(null,"Incorrect login");
    }

    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null,e);
    }
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Home().setVisible(true);
    this.setVisible(false);
}

private void UsernameActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(CustomerLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(CustomerLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(CustomerLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(CustomerLogin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
    //</editor-fold>
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {

```

```

        new CustomerLogin().setVisible(true);
    }
    });
}

// Variables declaration - do not modify
private javax.swing.JPasswordField Password;
private javax.swing.JTextField Username;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton login;
// End of variables declaration
}

```

Customer Signup Module:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Coffee;
import Coffee.cafe;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.xml.transform.Result;

/**
 *
 * @author Hp
 */
public class CustomerSignup extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    PreparedStatement ps=null;

    /**
     * Creates new form signup
     */
    public CustomerSignup() {
        initComponents();
        conn=cafe.RegisterDB();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")

```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    f1 = new javax.swing.JTextField();
    l1 = new javax.swing.JTextField();
    e1 = new javax.swing.JTextField();
    p1 = new javax.swing.JPasswordField();
    p2 = new javax.swing.JPasswordField();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(255, 51, 0));

    jLabel1.setFont(new java.awt.Font("Cooper Black", 1, 24)); // NOI18N
    jLabel1.setText("SIGN UP");

    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(255, 255, 255));
    jLabel2.setText(" FIRST NAME");

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(255, 255, 255));
    jLabel3.setText("LAST NAME");

    jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel4.setForeground(new java.awt.Color(255, 255, 255));
    jLabel4.setText("EMAIL ID");

    jLabel5.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel5.setForeground(new java.awt.Color(255, 255, 255));
    jLabel5.setText("PASSWORD");

    jLabel6.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel6.setForeground(new java.awt.Color(255, 255, 255));
    jLabel6.setText("CONFIRM PASSWORD");

    jButton1.setBackground(new java.awt.Color(0, 0, 153));
    jButton1.setForeground(new java.awt.Color(255, 255, 255));
    jButton1.setText("SIGN UP");
    jButton1.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jButton1MouseClicked(evt);
        }
    });
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
}
// </editor-fold>
```

```

    }
    });

    jButton2.setBackground(new java.awt.Color(0, 0, 153));
    jButton2.setForeground(new java.awt.Color(255, 255, 255));
    jButton2.setText("HOME");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    f1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            f1ActionPerformed(evt);
        }
    });

    jLabel8.setFont(new java.awt.Font("Lucida Grande", 0, 14)); // NOI18N
    jLabel8.setForeground(new java.awt.Color(255, 255, 255));
    jLabel8.setText("USERNAME");

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jLabel1)
                .addGap(352, 352, 352))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 107,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(203, 203, 203)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 107,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(149, 149, 149))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(170, 170, 170)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel5)
                        .addComponent(jLabel6)
                        .addComponent(jLabel4))
                    .addGap(16, 16, 16)
                    .addComponent(jLabel7)
                    .addGap(12, 12, 12)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(p2, javax.swing.GroupLayout.DEFAULT_SIZE, 312, Short.MAX_VALUE)
                        .addComponent(p1)
                        .addComponent(jTextField1)
                        .addComponent(e1))
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel8)
                    .addGap(0, 0, Short.MAX_VALUE))
                .addContainerGap())
    );

```



```

        .addGap(85, 85, 85)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(f1, javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 116,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(125, 125, 125)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(l1, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGap(0, 237, Short.MAX_VALUE))))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel1)
                    .addGap(18, 18, 18)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 17,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel3)))
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 74,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(f1, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(l1, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(45, 45, 45)
                    .addComponent(jLabel8))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(30, 30, 30)
                    .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 38, Short.MAX_VALUE)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(e1, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(37, 37, 37)
                    .addComponent(jLabel5))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(25, 25, 25)
                    .addComponent(p1, javax.swing.GroupLayout.DEFAULT_SIZE, 35, Short.MAX_VALUE)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel6)
                .addComponent(p2, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap()
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    pack();
} // </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    new Home().setVisible(true);
    this.setVisible(false);
}

private void f1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

}

private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {
    if(p1.getText().equals(p2.getText())){
        try{
            String f =f1.getText();
            String l =l1.getText();
            String e =e1.getText();
            String un=jTextField1.getText();
            char [] pwd=p1.getPassword();
            String p =String.valueOf(pwd);
            char [] pwd2=p2.getPassword();
            String cpwd =String.valueOf(pwd2);
            String sql="INSERT INTO `signup` (`fname`, `lname`, `username`, `email`, `password`) VALUES
(?,?,?,?,?)";
            pst=conn.prepareStatement(sql);
            pst.setString(1,f);
            pst.setString(2,l);
            pst.setString(3,un);
            pst.setString(4,e);
            pst.setString(5,p);
            if(pst.executeUpdate()!=0){
                String sql1="INSERT INTO `login` (`Username`, `Password`) VALUES (?,?)";
                ps=conn.prepareStatement(sql1);
                ps.setString(1,un);
                ps.setString(2,p);
            }
        }
    }
}

```

```

        if(ps.executeUpdate()!=0){
            JOptionPane.showMessageDialog(null, "Successfully Registered");
            this.dispose();

        }
        else{

        }

    }
    else
        JOptionPane.showMessageDialog(null, "Something is Wrong!!\n check again");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
}
else
    JOptionPane.showMessageDialog(null,"confirm password is not equal to password");

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Home().setVisible(true);
    this.setVisible(false);

}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(CustomerSignup.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(CustomerSignup.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(CustomerSignup.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(CustomerSignup.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
}
//</editor-fold>

```

```

//</editor-fold>
//</editor-fold>
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new CustomerSignup().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JTextField e1;
private javax.swing.JTextField f1;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField l1;
private javax.swing.JPasswordField p1;
private javax.swing.JPasswordField p2;
// End of variables declaration
}

```

Homepage:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Coffee;

/**
 *
 * @author Hp
 */
public class Home extends javax.swing.JFrame {

    /**
     * Creates new form mainhome_1
     */
    public Home() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.

```

```

* WARNING: Do NOT modify this code. The content of this method is always
* regenerated by the Form Editor.
*/
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(255, 51, 0));

    jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("LOGIN");
    jLabel1.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel1MouseClicked(evt);
        }
    });

    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(255, 255, 255));
    jLabel2.setText("SIGNUP");
    jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel2MouseClicked(evt);
        }
    });

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(255, 255, 255));
    jLabel3.setText("ADMIN");
    jLabel3.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel3MouseClicked(evt);
        }
    });

    jLabel5.setFont(new java.awt.Font("Constantia", 3, 36)); // NOI18N
    jLabel5.setForeground(new java.awt.Color(255, 255, 255));
    jLabel5.setText("Cafe Coffee Day");

    jLabel6.setFont(new java.awt.Font("Gadugi", 3, 18)); // NOI18N
    jLabel6.setForeground(new java.awt.Color(204, 255, 0));
    jLabel6.setText("Have a Nice Drink !");

    jLabel7.setFont(new java.awt.Font("Bradley Hand ITC", 3, 24)); // NOI18N
    jLabel7.setForeground(new java.awt.Color(153, 153, 255));
    jLabel7.setText("\\"FOCUS ON THE TASTE NOT THE DRINK\\"");

```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(13, 13, 13)
                    .addComponent(jLabel4)
                    .addGap(150, 150, 150)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(66, 66, 66)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(91, 91, 91)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(264, 264, 264)
                    .addComponent(jLabel5))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(302, 302, 302)
                    .addComponent(jLabel6))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(149, 149, 149)
                    .addComponent(jLabel7)))
            .addContainerGap(193, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(21, 21, 21)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(jLabel1)
                                .addComponent(jLabel2)
                                .addComponent(jLabel3)))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addContainerGap()
                            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 88,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGap(17, 17, 17)
                    .addComponent(jLabel5)
                    .addGap(38, 38, 38)
                    .addComponent(jLabel6)
                    .addGap(33, 33, 33)
                    .addComponent(jLabel7)
                    .addContainerGap(87, Short.MAX_VALUE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(17, 17, 17)
                            .addComponent(jLabel5)
                            .addGap(38, 38, 38)
                            .addComponent(jLabel6)
                            .addGap(33, 33, 33)
                            .addComponent(jLabel7)
                            .addContainerGap(87, Short.MAX_VALUE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(17, 17, 17)
                            .addComponent(jLabel5)
                            .addGap(38, 38, 38)
                            .addComponent(jLabel6)
                            .addGap(33, 33, 33)
                            .addComponent(jLabel7)
                            .addContainerGap(87, Short.MAX_VALUE))
                    .addContainerGap(87, Short.MAX_VALUE))
            .addContainerGap(87, Short.MAX_VALUE))
        );

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

```

```

        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>

    private void jLabel1MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        new CustomerLogin().setVisible(true);
        this.setVisible(false);
    }

    private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        new CustomerSignup().setVisible(true);
        this.setVisible(false);
    }

    private void jLabel3MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        new AdminLogin().setVisible(true);
        this.setVisible(false);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
    }
    //</editor-fold>
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Home().setVisible(true);

```

```

    }
    });
}

// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```

Main menu:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Coffee;
import javax.swing.JOptionPane;
import Coffee.cafe;
import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.Date;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.xml.transform.Result;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author Hp
 */
public class MainMenu extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;

    /**
     * Creates new form homepage
     */
    public MainMenu() {
        initComponents();
        conn=cafe.ConneccrDb();
    }
    public void showTableData()
    {
        try
        {

```



```

String pd=sfield.getText();

String sql="SELECT * FROM product WHERE Product_Id=?";
String pname="";
String price="";

pst=conn.prepareStatement(sql);
pst.setString(1,pd);
//pst.setString(2,d);
rs=pst.executeQuery();

while(rs.next())
{
    pname=rs.getString("Product_Name");
    price=rs.getString("Price");

}

jTextField1.setText(pname);
jTextField2.setText(price);

// jTable1.setModel(DbUtils.resultSetToTableModel(rs));
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(null,e);
}
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    sfield = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jTextField1 = new javax.swing.JTextField();
    jTextField2 = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jScrollPane2 = new javax.swing.JScrollPane();
    jTextArea1 = new javax.swing.JTextArea();

```

```

jButton3 = new javax.swing.JButton();
jButton4 = new javax.swing.JButton();
jTextField3 = new javax.swing.JTextField();
jTextField4 = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jTextField5 = new javax.swing.JTextField();
jTextField6 = new javax.swing.JTextField();
jLabel12 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 51, 0));

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 153));
jLabel1.setText("HOME");
jLabel1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel1MouseClicked(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 153));
jLabel2.setText("PRODUCTS");
jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel2MouseClicked(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 153));
jLabel3.setText("CUSTOMER DETAILS");
jLabel3.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel3MouseClicked(evt);
    }
});

jLabel8.setFont(new java.awt.Font("Charter", 1, 36)); // NOI18N
jLabel8.setForeground(new java.awt.Color(255, 255, 0));
jLabel8.setText("Cafe Coffee Day");

jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel9.setForeground(new java.awt.Color(255, 255, 255));
jLabel9.setText("Search Product and Order");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel6.setForeground(new java.awt.Color(255, 255, 255));
jLabel6.setText(" Product ID");

jButton1.setText("SEARCH");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

});

jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setText("Buy Now");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Quantity");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setText("Price");

jTextArea1.setColumns(20);
jTextArea1.setFont(new java.awt.Font("Monospaced", 1, 14)); // NOI18N
jTextArea1.setRows(5);
jScrollPane2.setViewportView(jTextArea1);

jButton3.setText("Generate Receipt");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setText("Print Receipt");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jTextField3.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        jTextField3KeyPressed(evt);
    }
});

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel10.setForeground(new java.awt.Color(255, 255, 255));
jLabel10.setText("Product Name");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel11.setForeground(new java.awt.Color(255, 255, 255));
jLabel11.setText("Total Cost");

jTextField5.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {

```

```
jTextField5KeyPressed(evt);
    }
});

jTextField6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField6ActionPerformed(evt);
    }
});

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel12.setForeground(new java.awt.Color(255, 255, 255));
jLabel12.setText("Paying Amount");

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel13.setForeground(new java.awt.Color(255, 255, 255));
jLabel13.setText("Remaining Amount");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel7)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(42, 42, 42)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(33, 33, 33)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 131,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(118, 118, 118))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(sfield, javax.swing.GroupLayout.PREFERRED_SIZE, 223,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jButton1)))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 285,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 296,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel6)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(sfield, javax.swing.GroupLayout.PREFERRED_SIZE, 223,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(jButton1))))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 285,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel7)
                .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 131,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 131,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel6)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton1)))
        );
}
```

```

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup())
        .addGap(43, 43, 43)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel5)
        .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel4)
        .addComponent(jLabel11)
        .addComponent(jLabel12)
        .addComponent(jLabel13)
        .addComponent(jLabel10))

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup())
        .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 93, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(3, 3, 3))

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jTextField4,
javax.swing.GroupLayout.DEFAULT_SIZE, 93, Short.MAX_VALUE)
        .addComponent(jTextField5)
        .addComponent(jTextField6)))
        .addComponent(jTextField3,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(45, 45, 45))
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(62, 62, 62)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
154, javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addGap(18, 18, 18)))
        .addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT_SIZE, 446, Short.MAX_VALUE)))
        .addContainerGap())
    .addGroup(jPanel1Layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton3)
        .addGap(79, 79, 79)
        .addComponent(jButton4)
        .addGap(104, 104, 104))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup())
            .addGap(46, 46, 46)
            .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 83,

```

```

javafx.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addContainerGap()
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3, javafx.swing.GroupLayout.PREFERRED_SIZE, 40,
javafx.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2, javafx.swing.GroupLayout.PREFERRED_SIZE, 40,
javafx.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel1, javafx.swing.GroupLayout.PREFERRED_SIZE, 23,
javafx.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
    .addComponent(jLabel8)
    .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jLabel9, javafx.swing.GroupLayout.PREFERRED_SIZE, 33,
javafx.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(105, 105, 105)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jScrollPane2, javafx.swing.GroupLayout.PREFERRED_SIZE, 423,
javafx.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(javafx.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
    .addGap(56, 56, 56)
    .addComponent(jLabel6)
    .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(sfield, javafx.swing.GroupLayout.PREFERRED_SIZE, 23,
javafx.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton1))
    .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATED, 26,
Short.MAX_VALUE)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel10)
    .addComponent(jTextField1, javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, javafx.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel5)
    .addComponent(jTextField2, javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, javafx.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(31, 31, 31)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(jTextField3, javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, javafx.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(32, 32, 32)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField4, javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, javafx.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel11))
    .addGap(18, 18, 18)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField5, javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, javafx.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel12))
    .addGap(19, 19, 19)
    .addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField6, javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, javafx.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jLabel13))
        .addGap(18, 18, 18)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jButton3)
            .addComponent(jButton4))
        .addContainerGap(25, Short.MAX_VALUE)
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    pack();
} // </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    showTableData();

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    try{

        String pname = jTextField1.getText();
        String pid = jTextField2.getText();
        String price = jTextField2.getText();
        String nopro = jTextField3.getText();
        Double amt = Double.parseDouble(price);
        Double tamt = 0.0;
        Double nop = Double.parseDouble(nopro);
        tamt = amt * nop;
        String toamnt = tamt.toString();
        //jTextField7.setText(toamnt);

        String sql = "INSERT INTO `orderproduct` (`Pro_name`, `Pro_ID`, `Total_Cost`, `Quantity`) VALUES
(?,?,?,?)";
        pst = conn.prepareStatement(sql);
        pst.setString(1, pname);
        pst.setString(2, pid);

        pst.setString(3, toamnt);
    }
}

```

```

        pst.setString(4,nopro);

        if(pst.executeUpdate()!=0)
        {
            //JOptionPane.showMessageDialog(null, "Successfully ordered");

            String amtpaid=jTextField5.getText();
            String remmamt=jTextField6.getText();
            String sql3="INSERT INTO `payment` (`Prod_ID`, `Product_name`, `Quantity`, `Price`,
`Amount_paid`, `remaining_amount`) VALUES (?,?,,?,?,?)";
            pst=conn.prepareStatement(sql3);
            pst.setString(1,pid);
            pst.setString(2,pname);
            pst.setString(3,nopro);
            pst.setString(4,toamnt);
            pst.setString(5,amtpaid);
            pst.setString(6,remmamt);

            if(pst.executeUpdate()!=0)
            {
                JOptionPane.showMessageDialog(null, "Successfully ordered ");
                //this.dispose();
            }
            else{

                }
                }
                else{

                }

            }

        catch(Exception e)
        {
            JOptionPane.showMessageDialog(null, e);
        }

        //new CustomerDetails().setVisible(true);
        //this.setVisible(false);

    }

    private void jLabel1MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        new Home().setVisible(true);
        this.setVisible(false);
    }

    private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:

        new ProductsListing().setVisible(true);
    }

```



```

        this.setVisible(false);
    }

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

        jTextArea1.setText(" *****\n");
        jTextArea1.setText(jTextArea1.getText()+" *****      CAFE COFFEE DAY      *****\n");
        jTextArea1.setText(jTextArea1.getText()+" *****\n");
        Date ob=new Date();
        String dat=ob.toString();

        jTextArea1.setText(jTextArea1.getText()+"\n"+dat+"\n\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Product ID:"+sfield.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Product Name:"+jTextField1.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Price of a single product:"+jTextField2.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Number of products
ordered:"+jTextField3.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Total Cost:"+jTextField4.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Amount that you Going to
pay:"+jTextField5.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Remaining amount to pay:"+jTextField6.getText()+"\n");
        jTextArea1.setText(jTextArea1.getText()+"                      Happy Shopping.....!          \n");

    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

        try
        {
            jTextArea1.print();
        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(null, e);
        }

    }

    private void jLabel3MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        new CustomerDetails().setVisible(true);
        this.setVisible(false);
    }

    private void jTextField3KeyPressed(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if(evt.getKeyCode() == KeyEvent.VK_ENTER)
        {
            String price =jTextField2.getText();
            String nopro =jTextField3.getText();
            Double amt=Double.parseDouble(price);
            Double tamt=0.0;

```

```

        Double nop=Double.parseDouble(nopro);
        tamt=amt*nop;
        String tooamt=tamt.toString();
        jTextField4.setText(tooamt);

    }

    private void jTextField5KeyPressed(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:

        if(evt.getKeyCode() == KeyEvent.VK_ENTER)
        {
            String a=jTextField4.getText();
            String b=jTextField5.getText();
            Double totalamt=Double.parseDouble(a);
            Double paidamt=Double.parseDouble(b);
            Double reamt=totalamt - paidamt;
            String remamt=reamt.toString();
            jTextField6.setText(reamt);
        }
    }

    private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new MainMenu().setVisible(true);
            }
        });
    }

```

```

    }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JTextArea jTextArea1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField sfield;
// End of variables declaration
}

```

Products Listing Module:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Coffee;
import static java.lang.Class.forName;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.xml.transform.Result;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author Siva
 */
public class ProductsListing extends javax.swing.JFrame {

```

```

    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;

    /**
     * Creates new form Product_Details
     */
    public ProductsListing() {

        initComponents();

        conn=cafe.ConneccrDb();

        update_table();

    }

    public void update_table()
    {
        try{
            String sql="select *from product";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            jTable1.setModel(DbUtils.resultSetToTableModel(rs));

        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(null,e);
        }
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(0, 255, 255));

        jTable1.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {

```

```

        "Title 1", "Title 2", "Title 3", "Title 4"
    }
});
jScrollPane1.setViewportView(jTable1);

jButton1.setText("Back");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 537, Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(224, 224, 224)
            .addComponent(jButton1)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 121, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jButton1)
            .addGap(26, 26, 26))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 2, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    new MainMenu().setVisible(true);
    this.setVisible(false);
}

/**
 * @param args the command line arguments

```

```

*/
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(Product_Details.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Product_Details.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Product_Details.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Product_Details.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new ProductsListing().setVisible(true);
        }
    });
}

// Variables declaration - do not modify

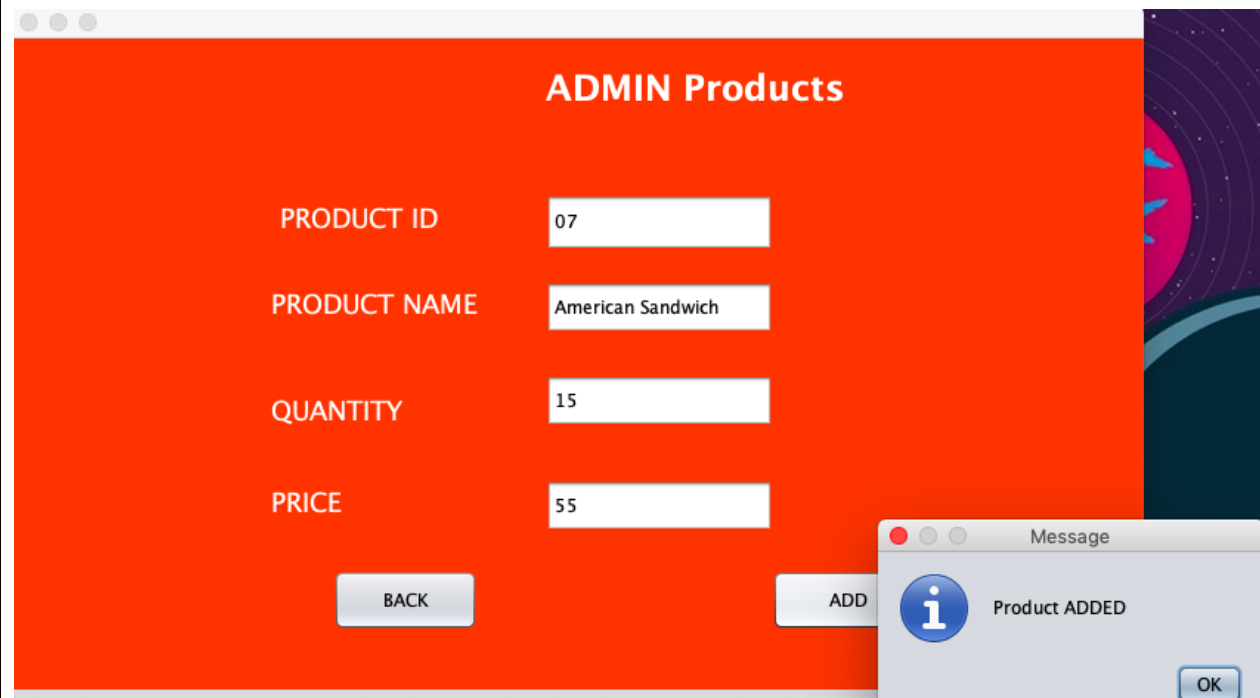
private javax.swing.JButton jButton1;
private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
// End of variables declaration
}

```

4.2 Output/Results

Add Products Module:



ADMIN Products


PRODUCT ID

PRODUCT NAME

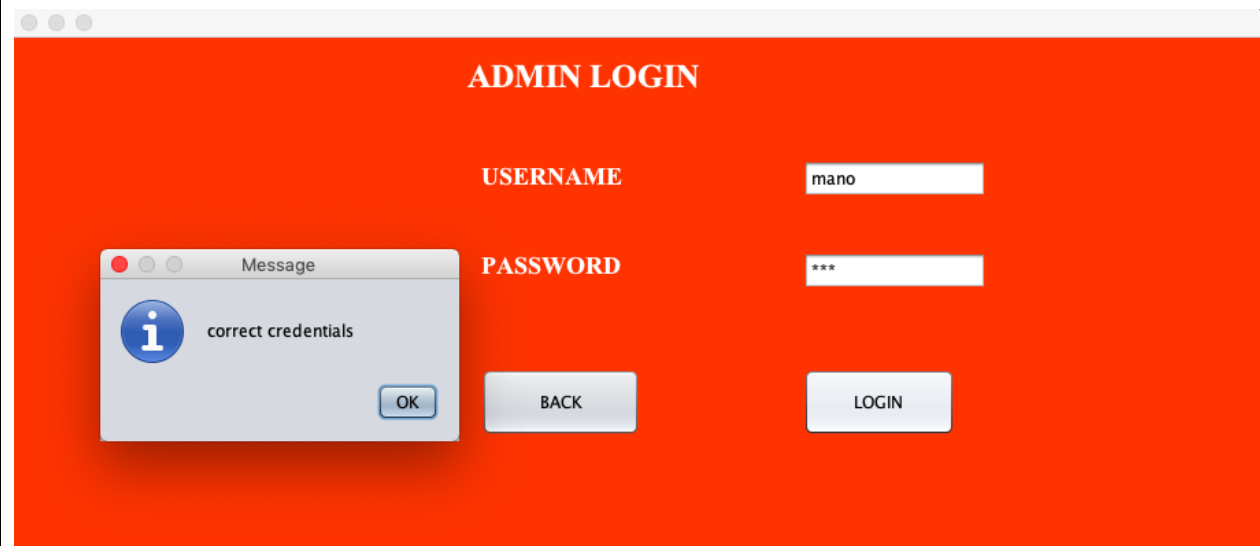
QUANTITY

PRICE

Message

 Product ADDED

Admin Login Module:




ADMIN LOGIN

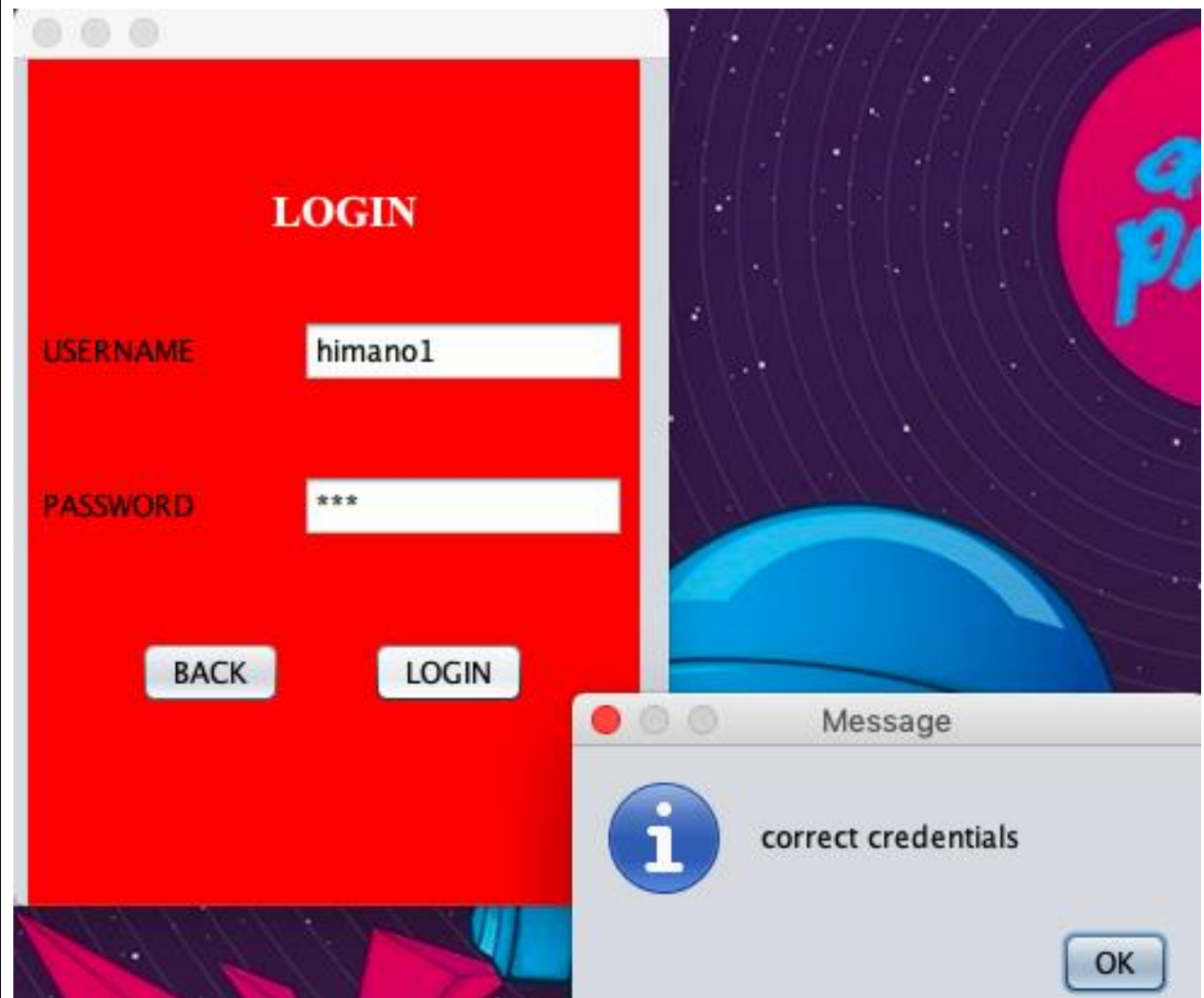
USERNAME

PASSWORD

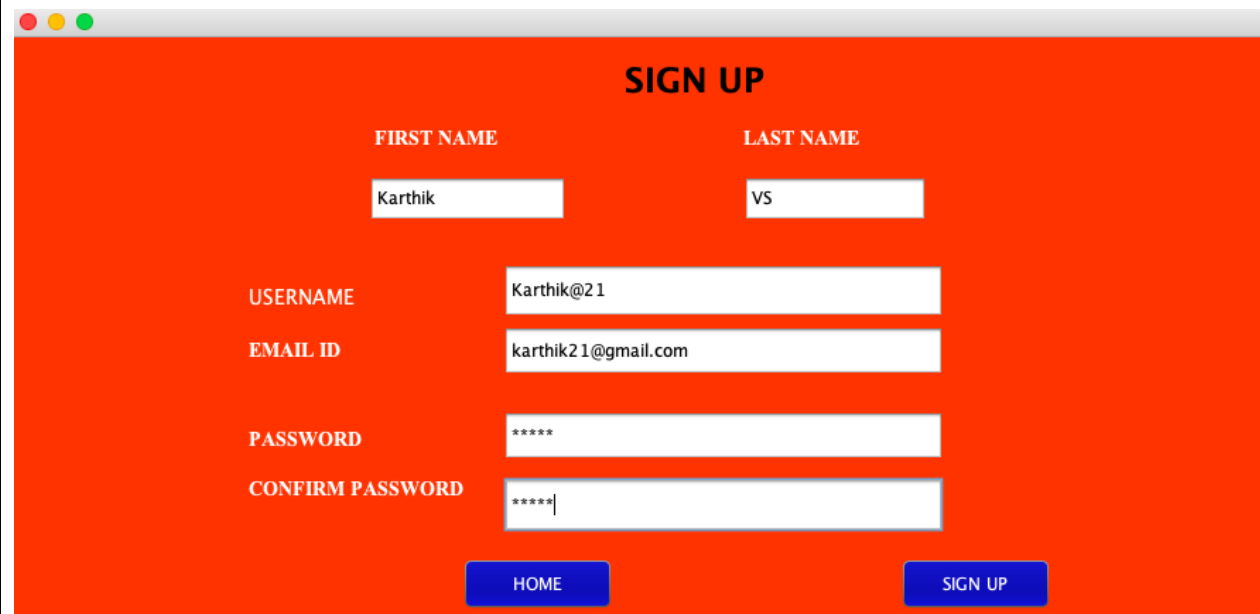
Message

 correct credentials

Customer Login Module:

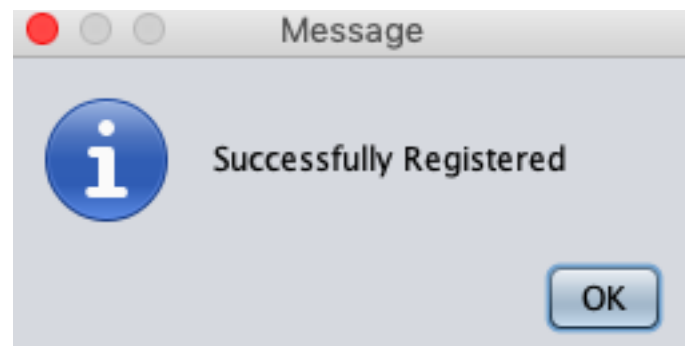


Customer Signup Module:

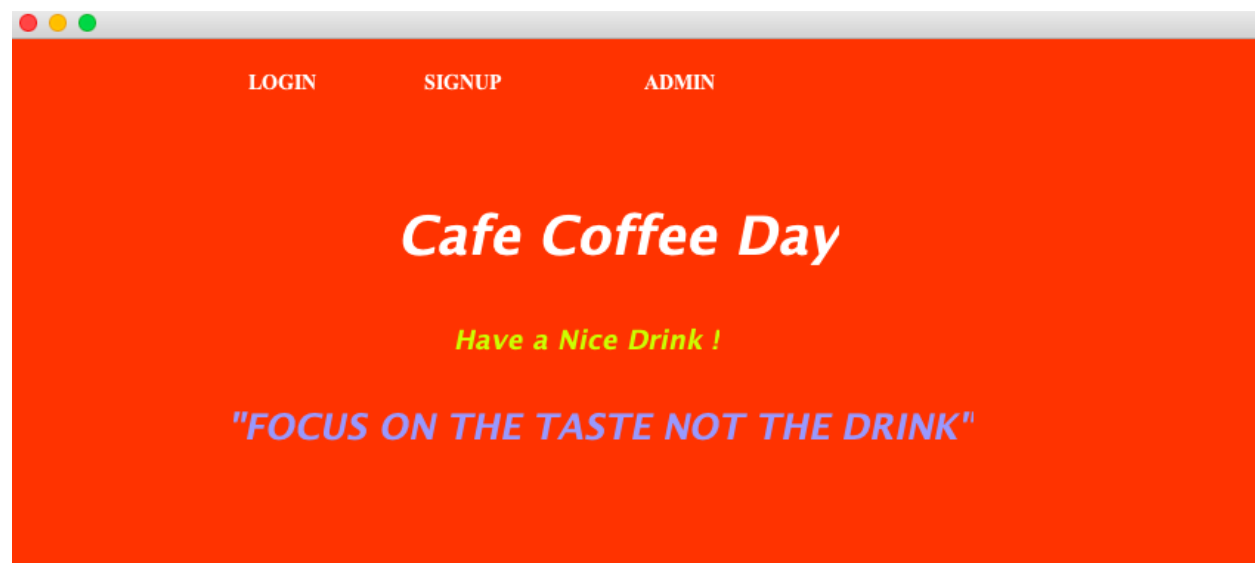


A web form titled "SIGN UP" with a red background. It contains input fields for First Name, Last Name, Username, Email ID, Password, and Confirm Password. The First Name field contains "Karthik" and the Last Name field contains "VS". The Username field contains "Karthik@21", the Email ID field contains "karthik21@gmail.com", and both the Password and Confirm Password fields contain "*****". At the bottom, there are two blue buttons: "HOME" and "SIGN UP".

FIRST NAME	LAST NAME
<input type="text" value="Karthik"/>	<input type="text" value="VS"/>
USERNAME	<input type="text" value="Karthik@21"/>
EMAIL ID	<input type="text" value="karthik21@gmail.com"/>
PASSWORD	<input type="password" value="*****"/>
CONFIRM PASSWORD	<input type="password" value="*****"/>

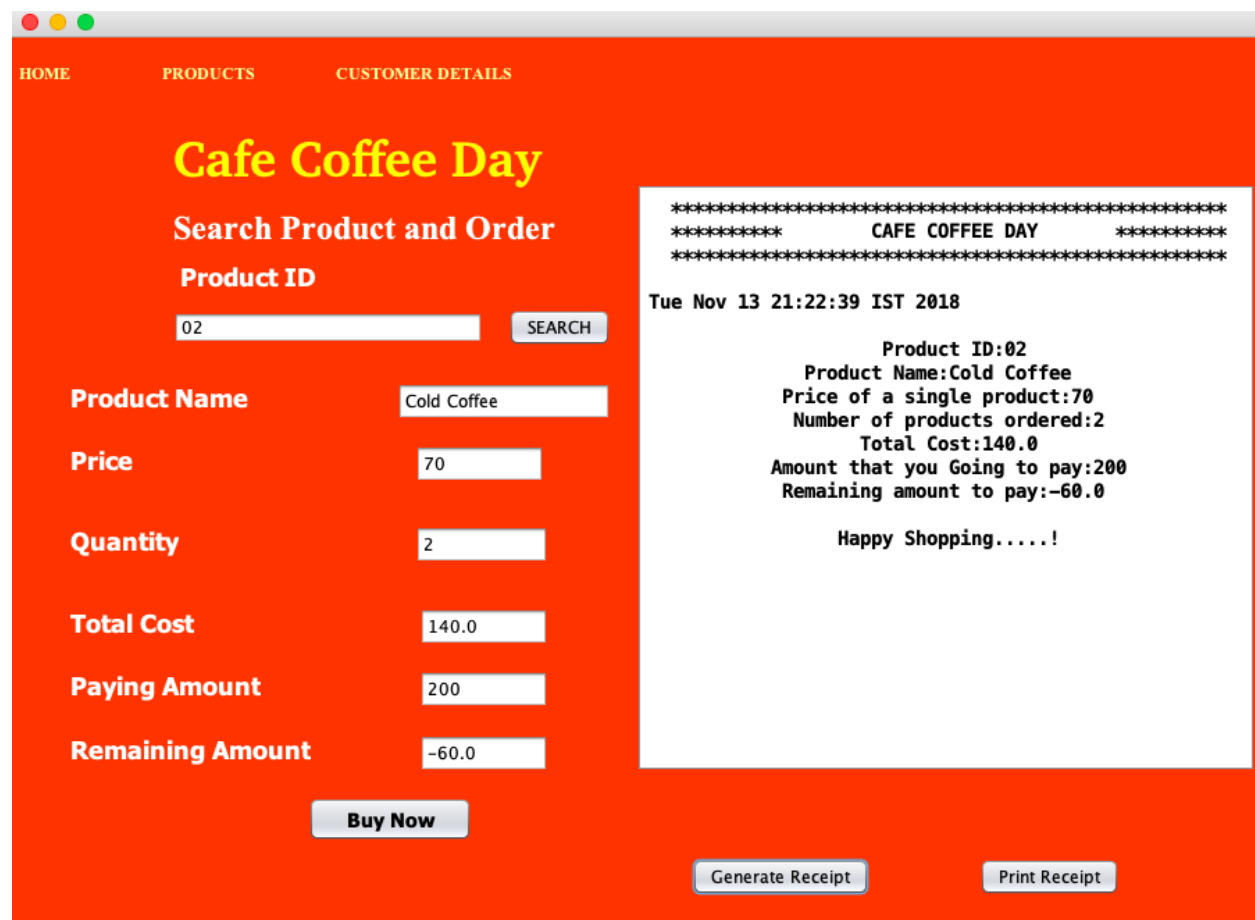


Homepage:



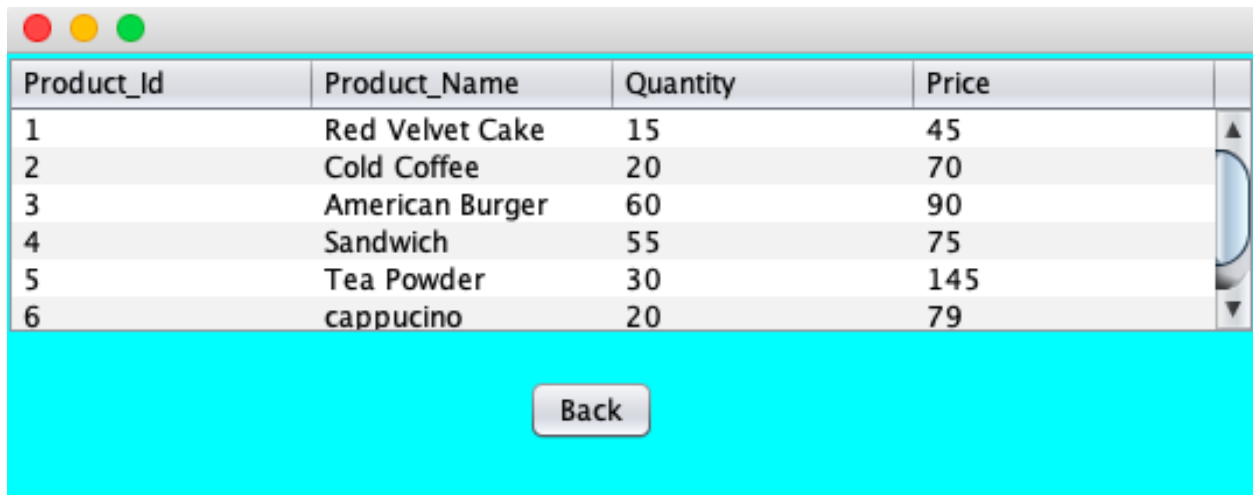
A screenshot of a web browser window showing the homepage of 'Cafe Coffee Day'. The browser has three colored window control buttons (red, yellow, green) in the top-left corner. The page has a solid orange background. At the top, there are three links: 'LOGIN', 'SIGNUP', and 'ADMIN'. In the center, the text 'Cafe Coffee Day' is displayed in a large, white, italicized font. Below it, 'Have a Nice Drink !' is written in a smaller, yellow, italicized font. At the bottom, the phrase '"FOCUS ON THE TASTE NOT THE DRINK"' is written in a blue, italicized font.

Main menu:



A screenshot of a web browser window showing the main menu of 'Cafe Coffee Day'. The browser has three colored window control buttons (red, yellow, green) in the top-left corner. The page has a solid orange background. At the top, there are three links: 'HOME', 'PRODUCTS', and 'CUSTOMER DETAILS'. In the center, the text 'Cafe Coffee Day' is displayed in a large, yellow, italicized font. Below it, 'Search Product and Order' is written in a smaller, white, italicized font. To the left, there is a form with the following fields: 'Product ID' (with a text input containing '02' and a 'SEARCH' button), 'Product Name' (with a text input containing 'Cold Coffee'), 'Price' (with a text input containing '70'), 'Quantity' (with a text input containing '2'), 'Total Cost' (with a text input containing '140.0'), 'Paying Amount' (with a text input containing '200'), and 'Remaining Amount' (with a text input containing '-60.0'). Below these fields is a 'Buy Now' button. To the right, there is a white rectangular box containing a receipt. The receipt text is as follows: '***** CAFE COFFEE DAY *****', 'Tue Nov 13 21:22:39 IST 2018', 'Product ID:02', 'Product Name:Cold Coffee', 'Price of a single product:70', 'Number of products ordered:2', 'Total Cost:140.0', 'Amount that you Going to pay:200', 'Remaining amount to pay:-60.0', and 'Happy Shopping.....!'. At the bottom of the page, there are two buttons: 'Generate Receipt' and 'Print Receipt'.

Products Listing:



Product_Id	Product_Name	Quantity	Price
1	Red Velvet Cake	15	45
2	Cold Coffee	20	70
3	American Burger	60	90
4	Sandwich	55	75
5	Tea Powder	30	145
6	cappucino	20	79

Back

5. Conclusion and Future Developments

- An efficient IS and latest technology is need of today and CCD is striking example of such a success story.
- ERP implementation provides an economical, reliable and scalable platform for rapid growth path.
- An efficient ERP system will enable high quality customer service especially when you are targeting youth consumer base.

6. References

1. <https://www.scribd.com/presentation/327892268/Role-of-ERP-in-Cafe-Coffee-Day>
2. https://www.suse.com/docrep/documents/pgt7can6c6/cafe_coffee_day_success_story
3. <http://coffeeday.com/PDF/CDEL%20Annual%20Report%202015-16>