

Appendix 5: Code

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Login

```
/*
 * 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 project;

import java.awt.HeadlessException;
import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;

/**
 *
 * @author tanaykhandelwal
 */
public class Login extends javax.swing.JFrame {
    /**
     * Creates new form Login
     */
    public Login() {
        initComponents();
    }

    private int isAdmin=1;
    public int getIsAdmin() {
        return isAdmin;
    }

    public void setIsAdmin(int isAdmin) {
        this.isAdmin=isAdmin;
    }

    /**
     * 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();
    username = new javax.swing.JTextField();
    password = new javax.swing.JPasswordField();
    reset = new javax.swing.JButton();
    login = new javax.swing.JButton();
    exit = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 7), "Login",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N

    jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
    jLabel1.setText("Username:");

    jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
    jLabel2.setText("Password:");

    username.setText("Eg: employee123");
    username.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseExited(java.awt.event.MouseEvent evt) {
            usernameMouseExited(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            usernameMouseEntered(evt);
        }
    });
}

```

```

password.setText("12345");
password.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseExited(java.awt.event.MouseEvent evt) {
        passwordMouseExited(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        passwordMouseEntered(evt);
    }
});
password.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        passwordKeyPressed(evt);
    }
});

reset.setText("Reset");
reset.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        resetActionPerformed(evt);
    }
});

login.setText("Login");
login.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        loginActionPerformed(evt);
    }
});

exit.setText("Exit");
exit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        exitActionPerformed(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()
            .addContainerGap()
            .addComponent(password, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(reset, javax.swing.GroupLayout.DEFAULT_SIZE, 100, true)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(login, javax.swing.GroupLayout.DEFAULT_SIZE, 100, true)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(exit, javax.swing.GroupLayout.DEFAULT_SIZE, 100, true)
            .addContainerGap(150, true)
        )
);

```

```

        .addGap(123, 123, 123)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel1)
            .addComponent(jLabel2))
        .addGap(160, 160, 160)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

            .addComponent(username)
            .addComponent(password, javax.swing.GroupLayout.DEFAULT_SIZE, 150,
Short.MAX_VALUE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addGap(26, 26, 26)
        .addComponent(login)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 224,
Short.MAX_VALUE)
        .addComponent(reset)
        .addGap(226, 226, 226)
        .addComponent(exit)
        .addGap(37, 37, 37))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(52, 52, 52)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(jLabel1)
            .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.TRAILING)

            .addComponent(jLabel2)

```

```

        .addComponent(password, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 64,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(reset)
        .addComponent(login)
        .addComponent(exit))
        .addGap(15, 15, 15))
);

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

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

```

```

private void exitActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

```

```

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

```

```

// TODO add your handling code here:
username.setText("");
password.setText("");
}

private void loginActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    String sql="Select * from Employees where Username=? and Password=?";
    PreparedStatement pst=con.prepareStatement(sql);
    pst.setString(1, username.getText());
    pst.setString(2, password.getText());
    ResultSet rs=pst.executeQuery();

    if(rs.next()) {
        if(username.getText().equalsIgnoreCase("admin")) {
            Admin obj1=new Admin();
            obj1.setVisible(true);
            setVisible(false);
        }
        else {
            EmployeePage obj2=new EmployeePage();
            obj2.setVisible(true);
            setVisible(false);

        }
    }

    else {
        JOptionPane.showMessageDialog(null,"Wrong credentials");
    }
    con.close();

}

catch(HeadlessException | ClassNotFoundException | SQLException obj) {
    JOptionPane.showMessageDialog(null,obj);
}

```

```
}
```

```
private void passwordKeyPressed(java.awt.event.KeyEvent evt) {
```

```
    // TODO add your handling code here:
```

```
    if(evt.getKeyCode()==KeyEvent.VK_ENTER) {
```

```
        try {
```

```
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
            Connection
```

```
con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP IA","root","root");
```

```
            String sql="Select * from Employees where Username=? and Password=?";
```

```
            PreparedStatement pst=con.prepareStatement(sql);
```

```
            pst.setString(1, username.getText());
```

```
            pst.setString(2, password.getText());
```

```
            ResultSet rs=pst.executeQuery();
```

```
            if(rs.next()) {
```

```
                if(username.getText().equalsIgnoreCase("admin")) {
```

```
                    Admin obj1=new Admin();
```

```
                    obj1.setVisible(true);
```

```
                    setVisible(false);
```

```
                }
```

```
            else {
```

```
                EmployeePage obj2=new EmployeePage();
```

```
                obj2.setVisible(true);
```

```
                setVisible(false);
```

```
            }
```

```
        }
```

```
    else {
```

```
        JOptionPane.showMessageDialog(null,"Wrong credentials");
```

```
    }
```

```
    con.close();
```

```
}
```

```
catch(HeadlessException | ClassNotFoundException | SQLException obj) {
```

```
    JOptionPane.showMessageDialog(null,obj);
```

```
}
```

```
}
```



```
}
```

```
private void usernameMouseEntered(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
    if(username.getText().equalsIgnoreCase("eg: employee123"))  
        username.setText("");  
}
```

```
private void passwordMouseEntered(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
    if(password.getText().equalsIgnoreCase("12345"))  
        password.setText("");  
}
```

```
private void usernameMouseExited(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
    if(username.getText().equals(""))  
        username.setText("Eg: employee123");  
}
```

```
private void passwordMouseExited(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
    if(password.getText().equals(""))  
        password.setText("12345");  
}
```

```
/**  
 * @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(Login.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login.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 Login().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton exit;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JButton login;
private javax.swing.JPasswordField password;

```

```
private javax.swing.JButton reset;
private javax.swing.JTextField username;
// End of variables declaration
}
```

Admin Homepage class

```
/*
 * 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 project;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;

/**
 *
 * @author tanaykhandelwal
 */
public class Admin extends javax.swing.JFrame {

    /**
     * Creates new form Admin
     */
    public Admin() {
        initComponents();
        checkStock();
        Login obj=new Login();
        obj.setIsAdmin(1);
    }

    public void checkStock() {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```

        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="Select Name, Quantity from Stock";
        PreparedStatement pst=con.prepareStatement(sql);
        ResultSet rs=pst.executeQuery();
        while(rs.next()) {
            String s=rs.getString("Name");
            if(!(s.equalsIgnoreCase("Essence"))){
                int quantity= Integer.parseInt(rs.getString("Quantity"));
                if(quantity<500)
                    JOptionPane.showMessageDialog(null, "Stock of "+s+" is low! Please buy new
stock and update the system!");
            }
        }
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}
/**
 * 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();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    stock = new javax.swing.JButton();
    jButton6 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 7), "Admin Page",

```

```
javax.swing.border.TitledBorder.CENTER,  
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,  
24)); // NOI18N
```

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

```
jButton2.setText("Orders for the day");  
jButton2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});
```

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

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

```
stock.setText("Stock");  
stock.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        stockActionPerformed(evt);  
    }  
});
```

```
jButton6.setText("Back");  
jButton6.addActionListener(new java.awt.event.ActionListener() {
```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton6ActionPerformed(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(302, 302, 302)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(stock, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(288, 288, 288)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jButton6)
                    .addGap(0, 0, 0))
            )
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(53, 53, 53)
                .addComponent(jButton1)
                .addGap(28, 28, 28)
                .addComponent(jButton3)
                .addGap(33, 33, 33)
                .addComponent(jButton4)
                .addGap(34, 34, 34)
            )
    );

```

```

        .addComponent(jButton2)
        .addGap(35, 35, 35)
        .addComponent(stock)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 15,
Short.MAX_VALUE)
        .addComponent(jButton6)
        .addContainerGap()
    );

```

```

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

```

```

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

```

```

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

```

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

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    setVisible(false);  
    Menu obj=new Menu();  
    obj.setVisible(true);  
}
```

```
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    setVisible(false);  
    SalesRecords obj=new SalesRecords();  
    obj.setVisible(true);  
}
```

```
private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    setVisible(false);  
    Login obj=new Login();  
    obj.setVisible(true);  
}
```

```
private void stockActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    setVisible(false);  
    Stock1 obj=new Stock1();  
    obj.setVisible(true);  
}
```

```
/**  
 * @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(Admin.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Admin.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 Admin().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.JButton jButton6;
private javax.swing.JPanel jPanel1;
private javax.swing.JButton stock;
// End of variables declaration
}

```

Employee page class

```

/*
 * 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 project;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author tanaykhandelwal
 */
public class Employee extends javax.swing.JFrame {

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

```

```

        showTableData();
        srno.setEditable(false);
        EmployeeTable.setAutoCreateRowSorter(true);

    }
    Connection con=null;
    PreparedStatement pst=null;
    ResultSet rs=null;

    /**
     * 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();
        EmployeeTable = new javax.swing.JTable();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        srno = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        username = new javax.swing.JTextField();
        password = new javax.swing.JTextField();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        jLabel5 = new javax.swing.JLabel();
        filter = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        Status = new javax.swing.JComboBox<>();
        jButton2 = new javax.swing.JButton();
        select = new javax.swing.JComboBox<>();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.  
createLineBorder(new java.awt.Color(0, 0, 0), 7), "Employees",  
javax.swing.border.TitledBorder.CENTER,  
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,  
24))); // NOI18N
```

```
EmployeeTable.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null}  
    },  
    new String [] {  
        "Sr. No.", "Name", "Username", "Password"  
    }  
));  
EmployeeTable.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        EmployeeTableMouseClicked(evt);  
    }  
});  
jScrollPane1.setViewportViewView(EmployeeTable);
```

```
jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel1.setText("Sr. No.");
```

```
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel2.setText("Name");
```

```
name.setText("Employee Name");  
name.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseExited(java.awt.event.MouseEvent evt) {  
        nameMouseExited(evt);  
    }  
    public void mouseEntered(java.awt.event.MouseEvent evt) {  
        nameMouseEntered(evt);  
    }  
});
```

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

jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel3.setText("Password");

jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel4.setText("Username");

username.setText("Username");
username.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseExited(java.awt.event.MouseEvent evt) {
        usernameMouseExited(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        usernameMouseEntered(evt);
    }
});

password.setText("Password");
password.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseExited(java.awt.event.MouseEvent evt) {
        passwordMouseExited(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        passwordMouseEntered(evt);
    }
});

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

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

jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel5.setText("Search by: ");

filter.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        filterKeyReleased(evt);
    }
});

jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel6.setText("Status");

Status.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "-",
"Working", "Left" }));

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

select.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Serial",
"Name", "Username", "Status" }));

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.TRAILING)
                .add(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .add(jButton1)
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                        .add(jButton3
```

```

        .addGap(50, 50, 50)
        .addComponent(jLabel1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
            .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(username, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
            .addGap(52, 52, 52)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
            .addComponent(jLabel3)
            .addComponent(jLabel2)
            .addComponent(jLabel4)
            .addComponent(jLabel6))

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(110, 110, 110)
                .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G, false)
            .addComponent(jButton4)
            .addComponent(password)
            .addComponent(Status, 0, 126, Short.MAX_VALUE))))
        .addGroup(jPanel1Layout.createSequentialGroup()

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        .addGap(21, 21, 21)
        .addComponent(jButton1)
        .addGap(0, 0, Short.MAX_VALUE)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton2)
            .addGap(75, 75, 75)
            .addComponent(jButton3))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(26, 26, 26)

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

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(select, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(42, 42, 42))
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
392, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(176, 176, 176))
    );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton3)

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        .addComponent(jButton2))
    .addContainerGap()
    .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(jLabel5)
        .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(14, 14, 14)

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

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(jLabel1)
        .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(51, 51, 51)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGap(49, 49, 49)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(jLabel4)
        .addComponent(username, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(48, 48, 48)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(jLabel3)

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        .addComponent(password, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
25, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(Status, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6)))
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE))
        .addGap(26, 26, 26)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(jButton1)
        .addComponent(jButton4))
        .addGap(21, 21, 21))
);

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.PREFERRED_SIZE, 816,
javax.swing.GroupLayout.PREFERRED_SIZE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
);

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

```

```

public void showTableData() {
    try {

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String s="Delivered";
        String sql="SELECT * from Employees";
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();

        EmployeeTable.setModel(DbUtils.resultSetToTableModel(rs));
        con.close();

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(name.getText().toString().equalsIgnoreCase("employee name") ||
username.getText().toString().equalsIgnoreCase("employee name") ||
password.getText().toString().equalsIgnoreCase("password")) {
        JOptionPane.showMessageDialog(null, "One or more fields empty");
    }
    else {
        boolean flag=true;
        while(flag) {
            try {
                Class.forName("com.mysql.cj.jdbc.Driver");
                con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
                String sql="SELECT Name from Employees WHERE Name='"+name.getText()+"'";
                Statement stat=con.createStatement();
                rs=stat.executeQuery(sql);
                if(rs.next()) {
                    JOptionPane.showMessageDialog(null, "User already registered!");
                    break;
                }
            }

```

```

        else {
            sql="INSERT INTO Employees(Name, Username, Password, Status) VALUES (?, ?, ?, ?)";
            con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA", "root", "root");
            pst=con.prepareStatement(sql);
            pst.setString(1, name.getText());
            pst.setString(2, username.getText());
            pst.setString(3, password.getText());
            pst.setString(4, Status.getSelectedItem().toString());
            pst.executeUpdate();
            JOptionPane.showMessageDialog(null, "Inserted successfully");
            flag=false;
        }
        con.close();

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

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Admin obj=new Admin();
    obj.setVisible(true);
}

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String sql="UPDATE Employees SET Name=?,Username=?,Password=?, Status=?
WHERE Serial=?";
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA", "root", "root");
        pst=con.prepareStatement(sql);
        pst.setString(1, name.getText());
        pst.setString(2, username.getText());

```

```

        pst.setString(3, password.getText());
        pst.setString(4, Status.getSelectedItemAt().toString());
        pst.setString(5, srno.getText());
        pst.executeUpdate();
        JOptionPane.showMessageDialog(null, "Updated successfully");
        con.close();

    } catch (SQLException obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
    showTableData();

}

private void EmployeeTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        DefaultTableModel model=(DefaultTableModel) EmployeeTable.getModel();
        int row=EmployeeTable.getSelectedRow();

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA", "root", "root");
        String SelectedRowOption=(EmployeeTable.getModel().getValueAt(row,0).toString());
        String sql="SELECT * from Employees where Serial="+SelectedRowOption;
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()) {
            srno.setText(rs.getString("Serial"));
            name.setText(rs.getString("Name"));
            username.setText(rs.getString("Username"));
            password.setText(rs.getString("Password"));
            Status.setSelectedItemAt(rs.getString("Status"));
        }
        con.close();
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

```

```

    }
}

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

        String selection=(String)select.getSelectedItemAt();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Employees where "+selection+"=?";
        pst=con.prepareStatement(sql);
        pst.setString(1, filter.getText());
        rs=pst.executeQuery();
        EmployeeTable.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

private void nameMouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(name.getText().equalsIgnoreCase("employee name"))
        name.setText("");
}

private void nameMouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(name.getText().toString().equalsIgnoreCase(""))
        name.setText("Employee name");
}

private void usernameMouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(username.getText().equalsIgnoreCase("Username"))
        username.setText("");
}

private void usernameMouseExited(java.awt.event.MouseEvent evt) {

```

```

// TODO add your handling code here:
if(username.getText().equalsIgnoreCase("")) {
    username.setText("Username");
}
}

private void passwordMouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(password.getText().equalsIgnoreCase("Password"))
        password.setText("");
}

private void passwordMouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(password.getText().equalsIgnoreCase(""))
        password.setText("Password");
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    showTableData();
    filter.setText("");
}

```

```

/**
 * @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(Employee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(Employee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(Employee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(Employee.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 Employee().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JTable EmployeeTable;
private javax.swing.JComboBox<String> Status;
private javax.swing.JTextField filter;
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 jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField name;
private javax.swing.JTextField password;
private javax.swing.JComboBox<String> select;
private javax.swing.JTextField srno;
private javax.swing.JTextField username;
// End of variables declaration
}

```

Menu page class

```

/*
 * 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 project;

import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author tanaykhandelwal
 */
public class Menu extends javax.swing.JFrame {

    /**

```

```

* Creates new form Menu
*/
public Menu() {
    initComponents();
    showTableData();
    menuPrint.setEditable(false);
    serial.setEditable(false);
    MenuTable.setAutoCreateRowSorter(true);
}

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

// @Override
public String getName() {
    return serial.getText();
}
public String getSerial() {
    JOptionPane.showMessageDialog(null, serial.getText());
    return serial.getText();
}
public Connection getConnection() {
    try {
        Connection con=null;
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        return con;
    } catch (Exception obj) {
        JOptionPane.showMessageDialog(null,"Not connected");
        return null;
    }
}

/**
 * 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();
    price = new javax.swing.JTextField();
    serial = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    quantity = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    insert = new javax.swing.JButton();
    update = new javax.swing.JButton();
    delete = new javax.swing.JButton();
    jButton8 = new javax.swing.JButton();
    name = new javax.swing.JTextField();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    MenuTable = new javax.swing.JTable();
    filter = new javax.swing.JTextField();
    select = new javax.swing.JComboBox<>();
    jLabel5 = new javax.swing.JLabel();
    jScrollPane2 = new javax.swing.JScrollPane();
    menuprint = new javax.swing.JTextArea();
    jButton1 = new javax.swing.JButton();
    receipt = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(204, 204, 204));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 7, true), "Menu Card",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N

    jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

```

```

price.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        priceActionPerformed(evt);
    }
});
price.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        priceKeyTyped(evt);
    }
});

jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel2.setText("UID");

jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel3.setText("Price");

jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel4.setText("Quantity");

insert.setText("Add");
insert.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        insertActionPerformed(evt);
    }
});

update.setText("Update");
update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updateActionPerformed(evt);
    }
});

delete.setText("Delete");
delete.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        deleteActionPerformed(evt);
    }
});

jButton8.setText("Back");
jButton8.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton8ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
            .addGap(29, 29, 29)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 208,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(serial, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(price, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(quantity, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(name, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(92, 92, 92))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(insert, javax.swing.GroupLayout.PREFERRED_SIZE, 124,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(update, javax.swing.GroupLayout.PREFERRED_SIZE, 124,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(86, 86, 86)
        .addComponent(delete, javax.swing.GroupLayout.PREFERRED_SIZE, 124,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(36, 36, 36))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton8)
        .addContainerGap())
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(34, 34, 34)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(serial, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(18, 18, 18)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(18, 18, 18)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(93, 93, 93)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(insert, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(update, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(delete, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 203,
                Short.MAX_VALUE)
            .addComponent(jButton8)
            .addContainerGap())
        );

    jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

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

        },
        new String [] {
            "UID", "Name", "Price", "Quantity"

```

```

    }
    ){
        Class[] types = new Class [] {
            java.lang.Object.class, java.lang.String.class, java.lang.Object.class,
java.lang.Object.class
        };
        boolean[] canEdit = new boolean [] {
            false, false, false, false
        };

        public Class getColumnClass(int columnIndex) {
            return types [columnIndex];
        }

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
    });
    MenuTable.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            MenuTableMouseClicked(evt);
        }
    });
    jScrollPane1.setViewportViewView(MenuTable);

    filter.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyReleased(java.awt.event.KeyEvent evt) {
            filterKeyReleased(evt);
        }
    });

    select.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Serial",
"Name", "Price", "Quantity" }));

    jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
    jLabel5.setText("Search by:");

    menuprint.setColumns(20);
    menuprint.setRows(5);
    jScrollPane2.setViewportViewView(menuprint);

```



```

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

receipt.setText("Generate a printable menu");
receipt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        receiptActionPerformed(evt);
    }
});

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

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .add(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jScrollPane2)
                .add(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 635, Short.MAX_VALUE)
            )
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .add(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 83, javax.swing.GroupLayout.PREFERRED_SIZE)
        )
        .addContainerGap(33, true)
);

```

```

        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)
        .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(229, 229, 229))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
        .addComponent(receipt)
        .addGap(32, 32, 32)
        .addComponent(jButton1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2)
        .addContainerGap()))
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
        .addGap(13, 13, 13)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 146,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 336,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(receipt)

```

```

        .addComponent(jButton1)
        .addComponent(jButton2))
        .addContainerGap()
    );

    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()
                    .addContainerGap(9, Short.MAX_VALUE)
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap())
            );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addContainerGap())
                );
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    layout.createSequentialGroup()
                        .addContainerGap()

```

```

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

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

```

```

private void insertActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        Connection con=getConnection();
        PreparedStatement ps=con.prepareStatement("INSERT INTO Menu(Name, Price,
Quantity)"+ "values(?,?,?)");
        ps.setString(1, name.getText());
        ps.setString(2, price.getText());
        ps.setString(3, quantity.getText());
        ps.executeUpdate();
        AddIngredients obj1=new AddIngredients();
        setVisible(false);
        obj1.setVisible(true);
        con.close();
    }
    catch(SQLException obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
    showTableData();
    serial.setText("");
    serial.setText("");
    price.setText("");
    quantity.setText("");
}

```

```
}
```

```
private void updateActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try {  
        con=getConnection();  
        pst=con.prepareStatement("UPDATE Menu SET Name=?,Price=?,Quantity=? WHERE  
Serial=?");  
        pst.setString(1, name.getText());  
        pst.setString(2, price.getText());  
        pst.setString(3, quantity.getText());  
        pst.setString(4, serial.getText());  
        pst.executeUpdate();  
        AddIngredients obj1=new AddIngredients();  
        setVisible(false);  
        obj1.setVisible(true);  
        con.close();  
    } catch (SQLException obj) {  
        JOptionPane.showMessageDialog(null,obj);  
    }  
    showTableData();  
    serial.setText("");  
    serial.setText("");  
    price.setText("");  
    quantity.setText("");  
}
```

```
private void deleteActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try {  
        con=getConnection();  
        pst=con.prepareStatement("DELETE FROM Menu WHERE Serial=?");  
        pst.setString(1, serial.getText());  
        pst.executeUpdate();  
        JOptionPane.showMessageDialog(null,"Deleted successfully");  
        con.close();  
    } catch (SQLException obj) {  
        JOptionPane.showMessageDialog(null,obj);  
    }
```

```

    }
    showTableData();
    name.setText("");
    serial.setText("");
    price.setText("");
    quantity.setText("");
}

public void showTableData() {
    try {
        con=getConnection();
        pst=con.prepareStatement("SELECT * from Menu");
        rs=pst.executeQuery();
        MenuTable.setModel(DbUtils.resultSetToTableModel(rs));
        con.close();

    }
    catch(SQLException obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Admin obj1=new Admin();
    obj1.setVisible(true);
}

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

private void MenuTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        int row=MenuTable.getSelectedRow();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String SelectedRowOption=(MenuTable.getModel().getValueAt(row,0).toString());

```

```

String sql="SELECT * from Menu where Serial="+SelectedRowOption;
pst=con.prepareStatement(sql);
rs=pst.executeQuery();
if(rs.next()) {
    serial.setText(rs.getString("Serial"));
    name.setText(rs.getString("Name"));
    price.setText(rs.getString("Price"));
    quantity.setText(rs.getString("Quantity"));
}
con.close();
}
catch(ClassNotFoundException | SQLException obj) {
    JOptionPane.showMessageDialog(null,obj);
}
}

```

```

private void filterKeyReleased(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    try {
        String selection=(String)select.getSelectedItemAt();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Menu where "+selection+"=?";
        pst=con.prepareStatement(sql);
        pst.setString(1, filter.getText());
        rs=pst.executeQuery();
        MenuTable.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(ClassNotFoundException | SQLException obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

```

```

private void receiptActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    menuprint.setText("");
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=getConnection();
        menuprint.append("Menu for Dulcedines\nName\t\t\tPrice\t\tQuantity\n");
    }
}

```

```

        pst=con.prepareStatement("SELECT * from Menu");
        rs=pst.executeQuery();
        int i=1;
        while(rs.next()) {
            menuprint.append(i++ + ". " +rs.getString("Name")+"
\t\t"+rs.getString("Price")+" \t\t"+rs.getString("Quantity")+"\n");
        }
    }
    catch(ClassNotFoundException | SQLException obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        boolean complete=menuprint.print();
        if(complete) {
            JOptionPane.showMessageDialog(null,"Done
printing","Information",JOptionPane.INFORMATION_MESSAGE);
        }
        else {
            JOptionPane.showMessageDialog(null,"Printing","Printer",JOptionPane.ERROR_MESSAGE);
        }
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }

    menuprint.setText("");
}

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

private void priceKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    char c = evt.getKeyChar();

```



```

if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))
{
    getToolkit().beep();
    evt.consume();
}
}

/**
 * @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(Menu.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
java.util.logging.Logger.getLogger(Menu.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 Menu().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JTable MenuTable;
```

```
private javax.swing.JButton delete;
```

```
private javax.swing.JTextField filter;
```

```
private javax.swing.JButton insert;
```

```
private javax.swing.JButton jButton1;
```

```
private javax.swing.JButton jButton2;
```

```
private javax.swing.JButton jButton8;
```

```
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.JPanel jPanel1;
```

```
private javax.swing.JPanel jPanel2;
```

```
private javax.swing.JPanel jPanel3;
```

```
private javax.swing.JScrollPane jScrollPane1;
```

```
private javax.swing.JScrollPane jScrollPane2;
```

```
private javax.swing.JTextArea menuprint;
```

```
public javax.swing.JTextField name;
```

```
private javax.swing.JTextField price;
```

```
private javax.swing.JTextField quantity;
```

```
private javax.swing.JButton receipt;
```

```
private javax.swing.JComboBox<String> select;
```

```
public javax.swing.JTextField serial;
```

```
private javax.swing.JButton update;
```

```
// End of variables declaration
```

```
}
```

Add Ingredients class

```
/*
 * 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 project;

import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
import javax.swing.JOptionPane;

public class AddIngredients extends javax.swing.JFrame {

    private int c;
    /**
     * Creates new form AddIngredients
     */
    public AddIngredients() {

        initComponents();
        fillInput();
        c=0;
        Menu obj=new Menu();
    }

    /**
     * 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() {
```

```
    jPanel2 = new javax.swing.JPanel();
    BakingSoda = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jLabel3 = new javax.swing.JLabel();
    ProductName = new javax.swing.JComboBox<>();
    jLabel4 = new javax.swing.JLabel();
    Flour = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    CondensedMilk = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    Oil = new javax.swing.JTextField();
    jLabel7 = new javax.swing.JLabel();
    BakingPowder = new javax.swing.JTextField();
    jLabel8 = new javax.swing.JLabel();
    Butter = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    Essence = new javax.swing.JTextField();
    jLabel10 = new javax.swing.JLabel();
    WhippedCream = new javax.swing.JTextField();
    jLabel11 = new javax.swing.JLabel();
    CocoaPowder = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    Sugar = new javax.swing.JTextField();
```

```
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
    jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 7), "Ingredients",
    javax.swing.border.TitledBorder.CENTER,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N
```

```
    BakingSoda.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            BakingSodaKeyTyped(evt);
        }
    });
```

```
    }  
});
```

```
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel2.setText("Baking soda:");
```

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

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

```
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel3.setText("Product Name: ");
```

```
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel4.setText("Flour:");
```

```
Flour.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyTyped(java.awt.event.KeyEvent evt) {  
        FlourKeyTyped(evt);  
    }  
});
```

```
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel5.setText("Condensed Milk:");
```

```
CondensedMilk.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyTyped(java.awt.event.KeyEvent evt) {  
        CondensedMilkKeyTyped(evt);  
    }  
});
```

```
jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel6.setText("Oil:");
```

```
Oil.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        OilKeyTyped(evt);
    }
});
```

```
jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel7.setText("Baking powder:");
```

```
BakingPowder.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        BakingPowderKeyTyped(evt);
    }
});
```

```
jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel8.setText("Butter: ");
```

```
Butter.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        ButterKeyTyped(evt);
    }
});
```

```
jLabel9.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel9.setText("Essence: ");
```

```
Essence.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        EssenceKeyTyped(evt);
    }
});
```

```
jLabel10.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel10.setText("Whipped cream: ");
```

```
WhippedCream.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```

        WhippedCreamActionPerformed(evt);
    }
});
WhippedCream.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        WhippedCreamKeyTyped(evt);
    }
});

jLabel11.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel11.setText("Cocoa powder:");

CocoaPowder.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        CocoaPowderKeyTyped(evt);
    }
});

jLabel12.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel12.setText("Sugar: ");

Sugar.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SugarActionPerformed(evt);
    }
});
Sugar.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        SugarKeyTyped(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 88,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton3))
    .addGroup(jPanel2Layout.createSequentialGroup())

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(ProductName, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
                .addGap(87, 87, 87)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(BakingPowder,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(Oil, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(CondensedMilk,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))

```



```

        .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(Flour, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(BakingSoda, javax.swing.GroupLayout.PREFERRED_SIZE,
141, javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 206,
Short.MAX_VALUE)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
)

```

```

        .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(Sugar, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)

```

```

        .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(Essence, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(WhippedCream,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel2Layout.createSequentialGroup())

```

```

        .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(CocoaPowder, javax.swing.GroupLayout.PREFERRED_SIZE,
141, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(Butter, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(112, 112, 112))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(jLabel3)
        .addComponent(ProductName, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(55, 55, 55)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(BakingSoda, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2)
        .addComponent(Essence, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel9))
        .addGap(33, 33, 33)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)

```

```

        .addComponent(Flour, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4)
        .addComponent(WhippedCream,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10))
        .addGap(38, 38, 38)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(CondensedMilk, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5)
        .addComponent(CocoaPowder, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel11))
        .addGap(45, 45, 45)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(Oil, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6))
        .addGap(45, 45, 45))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(Sugar, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel12))
        .addGap(53, 53, 53)))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)

```

```

        .addComponent(BakingPowder, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7))

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(Butter, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 108,
Short.MAX_VALUE)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jButton3)
        .addComponent(jButton1))
    .addContainerGap()
    );

    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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap()
            );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    );
                );
            );
    pack();
    setLocationRelativeTo(null);
} // </editor-fold>

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Menu obj=new Menu();
    obj.setVisible(true);
}

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

    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="INSERT INTO IngredientsPerCake(Name, Baking_Soda, Flour,
Condensed_Milk, Oil, Essence, Whipped_Cream, Cocoa_Powder, Sugar, Butter )
VALUES(?,?,?,?,?,?,?,?,?,?)";
        PreparedStatement pst=con.prepareStatement(sql);
        pst.setString(1, ProductName.getSelectedItemAt().toString());
        pst.setString(2, BakingSoda.getText());
        pst.setString(3, Flour.getText());
        pst.setString(4, CondensedMilk.getText());
        pst.setString(5, Oil.getText());
        pst.setString(6, Essence.getText());
        pst.setString(7, WhippedCream.getText());
        pst.setString(8, CocoaPowder.getText());
        pst.setString(9, Sugar.getText());
        pst.setString(10, Butter.getText());
        pst.executeUpdate();
        JOptionPane.showMessageDialog(null, "Inserted successfully");
        setVisible(false);
        Menu obj=new Menu();
        obj.setVisible(true);
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

```

```
private void FlourKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void BakingSodaKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void CondensedMilkKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void OilKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void BakingPowderKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void EssenceKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void WhippedCreamKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void CocoaPowderKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) || c== KeyEvent.VK_BACK_SPACE || c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void SugarActionPerformed(java.awt.event.ActionEvent evt) {
```

```
    // TODO add your handling code here:  
}
```

```
private void SugarKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) | c== KeyEvent.VK_BACK_SPACE | c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

```
private void ButterKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c = evt.getKeyChar();  
    if(!(Character.isDigit(c) | c== KeyEvent.VK_BACK_SPACE | c== KeyEvent.VK_DELETE))  
    {  
        getToolkit().beep();  
        evt.consume();  
    }  
}
```

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

```
public void fillInput() {  
    try {  
        Class.forName("com.mysql.cj.jdbc.Driver");  
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP  
IA","root","root");  
        String sql="Select * from Stock";  
        PreparedStatement pst=con.prepareStatement(sql);  
        ResultSet rs =pst.executeQuery();  
        while (rs.next()) {  
            String name=rs.getString("Name");  
        }  
        con.close();  
    }  
}
```



```

    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, "Failed to Connect to Database", "Error
Connection", JOptionPane.WARNING_MESSAGE);
    }
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA", "root", "root");
        String sql="Select * from Menu";
        PreparedStatement pst=con.prepareStatement(sql);
        ResultSet rs =pst.executeQuery();
        while (rs.next()) {
            String name=rs.getString("Name");
            ProductName.addItem(name);
        }
        con.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, "Failed to Connect to Database", "Error
Connection", JOptionPane.WARNING_MESSAGE);
    }
}
/**
 * @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(AddIngredients.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(AddIngredients.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(AddIngredients.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

```
java.util.logging.Logger.getLogger(AddIngredients.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 AddIngredients().setVisible(true);
        }
    });
}
```

```
// Variables declaration - do not modify
private javax.swing.JTextField BakingPowder;
private javax.swing.JTextField BakingSoda;
private javax.swing.JTextField Butter;
private javax.swing.JTextField CocoaPowder;
private javax.swing.JTextField CondensedMilk;
private javax.swing.JTextField Essence;
private javax.swing.JTextField Flour;
private javax.swing.JTextField Oil;
private javax.swing.JComboBox<String> ProductName;
private javax.swing.JTextField Sugar;
private javax.swing.JTextField WhippedCream;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel10;
```

```

private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
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 jPanel2;
// End of variables declaration
}

```

Sales Records class

```

/*
 * 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 project;

/**
 *
 * @author tanaykhandelwal
 */
public class SalesRecords extends javax.swing.JFrame {

    /**
     * Creates new form SalesRecords
     */
    public SalesRecords() {
        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();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 7), "Sales Records",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N

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

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

    jButton3.setText("Back");
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(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(171, 171, 171)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE, 230,
Short.MAX_VALUE))
            .addGap(145, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton3)
            .addGap())
    );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(95, 95, 95)
            .addComponent(jButton2)
            .addGap(38, 38, 38)
            .addComponent(jButton1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton3)
            .addGap())
    );

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

```

```

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

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

```

```

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

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Admin obj=new Admin();
    obj.setVisible(true);
}

```

```

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

```

```

/**
 * @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(SalesRecords.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(SalesRecords.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(SalesRecords.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(SalesRecords.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 SalesRecords().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.JPanel jPanel1;
// End of variables declaration
}
```

Lifetime orders class

```
/*
 * 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 project;

import com.sun.glass.events.KeyEvent;
import java.awt.print.PrinterException;
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.JTextArea;
import javax.swing.JTextField;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author tanaykhandelwal
 */
```



```
*/  
public class LifetimeOrders extends javax.swing.JFrame {
```

```
    Date dateobj = new Date();  
    Connection con=null;  
    PreparedStatement pst=null;  
    ResultSet rs=null;  
    DefaultTableModel model;  
    JFrame frame;  
    JTextArea txt;  
    public LifetimeOrders() {  
        initComponents();  
        showTableData();  
        srno.setEditable(false);  
        CustomerName.setEditable(false);  
        Receipt.setEditable(false);  
        Price.setEditable(false);  
        OrderDate.setEnabled(false);  
        fillInput();  
        OrdersTable.setAutoCreateRowSorter(true);  
    }
```

```
/**  
 * 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();  
    jLabel1 = new javax.swing.JLabel();  
    jLabel2 = new javax.swing.JLabel();  
    jLabel3 = new javax.swing.JLabel();
```

```

jLabel4 = new javax.swing.JLabel();
srno = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
CustomerName = new javax.swing.JTextField();
Price = new javax.swing.JTextField();
back = new javax.swing.JButton();
ProductName = new javax.swing.JComboBox<>();
OrderDate = new com.toedter.calendar.JDateChooser();
date = new javax.swing.JLabel();
jPanel3 = new javax.swing.JPanel();
jScrollPane1 = new javax.swing.JScrollPane();
OrdersTable = new javax.swing.JTable();
filter = new javax.swing.JTextField();
jLabel7 = new javax.swing.JLabel();
select = new javax.swing.JComboBox<>();
jScrollPane3 = new javax.swing.JScrollPane();
Receipt = new javax.swing.JTextArea();
Print = new javax.swing.JButton();
generatereceipt = new javax.swing.JButton();
datechoose1 = new com.toedter.calendar.JDateChooser();
datechoose2 = new com.toedter.calendar.JDateChooser();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
sortDate = new javax.swing.JButton();
reset = new javax.swing.JButton();
jLabel11 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

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

```

```

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 10), "Past orders",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
36), new java.awt.Color(255, 255, 255))); // NOI18N

```

```

jPanel2.setBackground(new java.awt.Color(153, 153, 153));
jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 7));

```

```
jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel1.setText("Serial No.");
```

```
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel2.setText("Customer Name");
```

```
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel3.setText("Delivery Date");
```

```
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel4.setText("Price");
```

```
srno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        srnoActionPerformed(evt);
    }
});
srno.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        srnoKeyTyped(evt);
    }
});
```

```
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel5.setText("Product Name");
```

```
CustomerName.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CustomerNameActionPerformed(evt);
    }
});
CustomerName.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        CustomerNameKeyTyped(evt);
    }
});
```

```
Price.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        PriceActionPerformed(evt);
    }
});
```

```

    }
});
Price.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        PriceKeyTyped(evt);
    }
});

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

ProductName.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        ProductNameMousePressed(evt);
    }
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ProductNameMouseClicked(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        ProductNameMouseExited(evt);
    }
});
ProductName.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ProductNameActionPerformed(evt);
    }
});
ProductName.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        ProductNameKeyReleased(evt);
    }
});

OrderDate.setDateFormatString("yyyy-MM-dd");
OrderDate.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        OrderDateKeyTyped(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(27, 27, 27)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(date, javax.swing.GroupLayout.PREFERRED_SIZE, 335,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
224, Short.MAX_VALUE)
        .addComponent(back))
        .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, 160,
Short.MAX_VALUE)
            .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(123, 123, 123)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(srno)
            .addComponent(CustomerName)
            .addComponent(Price)
            .addComponent(ProductName, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

```

```

        .addComponent(OrderDate, javax.swing.GroupLayout.DEFAULT_SIZE, 235,
Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE)))
        .addContainerGap()
    );
    JPanel2Layout.setVerticalGroup(
        JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(JPanel2Layout.createSequentialGroup()
            .addGap(25, 25, 25)

.addGroup(JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1)
            .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)

.addGroup(JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(CustomerName, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2))
            .addGap(27, 27, 27)

.addGroup(JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel5)
            .addComponent(ProductName, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(22, 22, 22)

.addGroup(JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel4)
            .addComponent(Price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(33, 33, 33)

.addGroup(JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(OrderDate, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(back)
    .addComponent(date, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap()
);

jPanel3.setBackground(new java.awt.Color(153, 153, 153));
jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 7));

OrdersTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null}
    },
    new String [] {
        "Reference No.", "Customer name", "Product Name", "Price", "Order Date",
"Status"
    }
));
OrdersTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        OrdersTableMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(OrdersTable);

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

```

```

});
filter.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        filterKeyPressed(evt);
    }
    public void keyReleased(java.awt.event.KeyEvent evt) {
        filterKeyReleased(evt);
    }
});

jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel7.setText("Filter by:");

select.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Serial",
"Customer_Name", "Product_Name", "Price", "Status" }));

Receipt.setColumns(20);
Receipt.setRows(5);
jScrollPane3.setViewportViewView(Receipt);

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

generatereceipt.setText("Generate receipt");
generatereceipt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        generatereceiptActionPerformed(evt);
    }
});

datechoose2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        datechoose2MouseClicked(evt);
    }
});

jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N

```



```

jLabel8.setText("From");

jLabel9.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel9.setText("To");

jLabel10.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel10.setText("Date Range:");

sortDate.setText("Go");
sortDate.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        sortDateActionPerformed(evt);
    }
});

reset.setText("Reset Table Filters");
reset.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        resetActionPerformed(evt);
    }
});

jLabel11.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel11.setText("OR");

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(23, 23, 23)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel7)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE, 153,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(60, 60, 60)

```

```

        .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 306,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(jLabel10)
        .addGap(61, 61, 61)
        .addComponent(jLabel8)
        .addGap(18, 18, 18)
        .addComponent(datechoose1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(47, 47, 47)
        .addComponent(jLabel9)
        .addGap(35, 35, 35)
        .addComponent(datechoose2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
35, Short.MAX_VALUE)
        .addComponent(sortDate)
        .addGap(31, 31, 31))))
        .addGroup(jPanel3Layout.createSequentialGroup())
        .addContainerGap()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)

        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(generatereceipt)
        .addGap(18, 18, 18)
        .addComponent(Print)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(reset)
        .addGap(17, 17, 17))
        .addComponent(jScrollPane3, javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING))
        .addContainerGap()
.addGroup(jPanel3Layout.createSequentialGroup())
        .addGap(294, 294, 294)
        .addComponent(jLabel11)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

```

```

jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7)
        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)
        .addComponent(jLabel11)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
        .addGap(24, 24, 24)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(sortDate, javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(datechoose1,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel9)
            .addComponent(datechoose2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10))))

```

```

        .addGap(36, 36, 36)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE, 302,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(Print)
        .addComponent(generatereceipt)
        .addComponent(reset))
        .addContainerGap()
);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.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(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G, false)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(0, 0, 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()
            .addGap(10, 10, 10)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 706,
Short.MAX_VALUE)
            .addGap(10, 10, 10))
);

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

```

```

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

public void fillInput() {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="Select * from Menu";
        pst=con.prepareStatement(sql);
        rs =pst.executeQuery();
        while (rs.next()) {
            String name=rs.getString("Name");
            ProductName.addItem(name);
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}

```

```

        }
        con.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.WARNING_MESSAGE);

    }
}

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

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

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Admin obj1=new Admin();
    obj1.setVisible(true);
}

private void ProductNameMousePressed(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="Select * from Menu";
        pst=con.prepareStatement(sql);
        rs =pst.executeQuery();
        while (rs.next()) {
            String name=rs.getString("Price");
            Price.setText(name);
        }
        con.close();
    } catch (Exception e) {

```

```
        JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error  
Connection", JOptionPane.WARNING_MESSAGE);
```

```
    }  
}
```

```
public void showTableData() {  
    try {  
  
        Class.forName("com.mysql.cj.jdbc.Driver");  
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP  
IA","root","root");  
        String s="Delivered";  
        String sql="SELECT * from Lifetime_Orders";  
        pst=con.prepareStatement(sql);  
        rs=pst.executeQuery();  
  
        OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));  
        con.close();  
  
    }  
    catch(Exception obj) {  
        JOptionPane.showMessageDialog(null,obj);  
    }  
}  
  
private void ProductNameMouseClicked(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
  
}  
  
private void ProductNameMouseExited(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
  
}  
  
private void ProductNameActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
  
}
```

```

private void OrdersTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        model=(DefaultTableModel) OrdersTable.getModel();
        int row=OrdersTable.getSelectedRow();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String SelectedRowOption=(OrdersTable.getModel().getValueAt(row,0).toString());
        String sql="SELECT * from Lifetime_Orders where Serial="+SelectedRowOption;
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()) {
            String date1=rs.getString("Delivery_Date");
            srno.setText(rs.getString("Serial"));
            CustomerName.setText(rs.getString("Customer_Name"));
            ProductName.setSelectedItem(rs.getString("Product_Name"));
            Price.setText(rs.getString("Price"));
            ((JTextField)OrderDate.getDateEditor().getUiComponent()).setText(date1);
        }
        con.close();
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}

```

```

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

}

```

```

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

```

```

private void filterKeyReleased(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    try {
        String selection=(String)select.getSelectedItem();
        Class.forName("com.mysql.cj.jdbc.Driver");

```



```

        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Lifetime_orders where "+selection+"=?";
        pst=con.prepareStatement(sql);
        pst.setString(1, filter.getText());
        rs=pst.executeQuery();
        OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

private void PrintActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        boolean complete=Receipt.print();
        if(complete) {
            JOptionPane.showMessageDialog(null,"Done
printing","Information",JOptionPane.INFORMATION_MESSAGE);
        }
        else {
            JOptionPane.showMessageDialog(null,"Printing","Printer",JOptionPane.ERROR_MESSAGE);
        }
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }

    Receipt.setText("");
}

private void generatereceiptActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Receipt.setText("");
    Receipt.append("-----\n\n"
+ "-----Dulcedines-----\n\n"
+ "Date: "+dateobj+"\n\n"

```

```

+"Name of the customer: "+CustomerName.getText()+"\n\n"
+"Name of the product: "+ProductName.getSelectedItem()+"\n\n"
+"Price: "+Price.getText()+"\n\n"
+"Thank you for ordering from our bakery, hope you visit again "
);

}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        // TODO add your handling code here:
        boolean print=Receipt.print();
        if(print) {
            JOptionPane.showMessageDialog(null, "Done");
        }
        else {
            JOptionPane.showMessageDialog(null, "Printing");
        }
    } catch (PrinterException ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        FileWriter writer=new FileWriter("/Users/tanaykhandelwal/Desktop/");
        BufferedWriter bw=new BufferedWriter(writer);
        Receipt.write(bw);
        Receipt.setText("");
        Receipt.requestFocus();

    }
    catch(IOException obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

```

```

private void jButtonActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    EditingForm obj=new EditingForm();
}

```

```

        setVisible(false);
        obj.setVisible(true);
    }

    private void srnoKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        char c=evt.getKeyChar();
        if((Character.isDigit(c) || Character.isLetterOrDigit(c) || c==KeyEvent.VK_BACKSPACE ||
c==KeyEvent.VK_DELETE))
        {
            evt.consume();
            getToolkit().beep();
        }
    }

    private void CustomerNameKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        char c=evt.getKeyChar();
        if((Character.isDigit(c) || Character.isLetterOrDigit(c) || c==KeyEvent.VK_BACKSPACE ||
c==KeyEvent.VK_DELETE))
        {
            evt.consume();
            getToolkit().beep();
        }
    }

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

    }

    private void PriceKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        char c=evt.getKeyChar();
        if((Character.isDigit(c) || Character.isLetterOrDigit(c) || c==KeyEvent.VK_BACKSPACE ||
c==KeyEvent.VK_DELETE))
        {
            evt.consume();
            getToolkit().beep();
        }
    }

```

```
}
```

```
private void OrderDateKeyTyped(java.awt.event.KeyEvent evt) {  
    // TODO add your handling code here:  
    char c=evt.getKeyChar();  
    if((Character.isDigit(c) || Character.isLetterOrDigit(c) || c==KeyEvent.VK_BACKSPACE ||  
c==KeyEvent.VK_DELETE))  
    {  
        evt.consume();  
        getToolkit().beep();  
    }  
}
```

```
private void datechoose2MouseClicked(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
  
}
```

```
private void sortDateActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
  
    DateFormat df = new SimpleDateFormat("yyyy-MM-dd");  
    String val1=df.format(datechoose1.getDate());  
    String val2=df.format(datechoose2.getDate());  
    try{  
        Class.forName("com.mysql.cj.jdbc.Driver");  
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP  
IA","root","root");  
        String sql="SELECT * from Lifetime_orders WHERE Delivery_Date BETWEEN '"+val1+"'  
and '"+val2+"'";  
        PreparedStatement pst=con.prepareStatement(sql);  
        ResultSet rs=pst.executeQuery();  
        OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));  
    }  
    catch(Exception e){  
        JOptionPane.showMessageDialog(null,e);  
    }  
}
```

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

```

        showTableData();
    }

    /**
     * @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(LifetimeOrders.class.getName()).log(java.util.logging.Level
                .SEVERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(LifetimeOrders.class.getName()).log(java.util.logging.Level
                .SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(LifetimeOrders.class.getName()).log(java.util.logging.Level
                .SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(LifetimeOrders.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 LifetimeOrders().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
public javax.swing.JTextField CustomerName;
public com.toedter.calendar.JDateChooser OrderDate;
javax.swing.JTable OrdersTable;
public javax.swing.JTextField Price;
private javax.swing.JButton Print;
public javax.swing.JComboBox<String> ProductName;
private javax.swing.JTextArea Receipt;
private javax.swing.JButton back;
private javax.swing.JLabel date;
private com.toedter.calendar.JDateChooser datechoose1;
private com.toedter.calendar.JDateChooser datechoose2;
private javax.swing.JTextField filter;
private javax.swing.JButton generatereceipt;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JButton reset;
private javax.swing.JComboBox<String> select;
private javax.swing.JButton sortDate;

```

```
    public javax.swing.JTextField srno;  
    // End of variables declaration  
}
```

Total sales class

```
/*  
 * 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 project;  
  
import java.awt.Color;  
import java.awt.Dimension;  
import java.awt.Toolkit;  
import java.sql.Connection;  
import java.sql.Date;  
import java.sql.DriverManager;  
import java.sql.PreparedStatement;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
import javax.swing.JOptionPane;  
import javax.swing.table.DefaultTableModel;  
import net.proteanit.sql.DbUtils;  
import org.jfree.chart.ChartFactory;  
import org.jfree.chart.ChartFrame;  
import org.jfree.chart.JFreeChart;  
import org.jfree.chart.plot.CategoryPlot;  
import org.jfree.chart.plot.PlotOrientation;  
import org.jfree.data.category.DefaultCategoryDataset;  
  
/**  
 *  
 * @author tanaykhandelwal  
 */  
public class TotalSales extends javax.swing.JFrame {  
  
    Connection con;  
    PreparedStatement pst;
```

```

ResultSet rs;
DefaultTableModel model;
/**
 * Creates new form TotalSales
 */
public TotalSales() {
    initComponents();
    showTableData();
    model=(DefaultTableModel) OrdersTable.getModel();
    OrdersTable.setAutoCreateRowSorter(true);
}

/**
 * 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() {

    jLabel6 = new javax.swing.JLabel();
    jTextField6 = new javax.swing.JTextField();
    jPanel1 = new javax.swing.JPanel();
    jButton1 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jan = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    feb = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    mar = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    apr = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    may = new javax.swing.JTextField();
    jLabel7 = new javax.swing.JLabel();
    jun = new javax.swing.JTextField();
    july = new javax.swing.JTextField();
    aug = new javax.swing.JTextField();

```



```

oct = new javax.swing.JTextField();
nov = new javax.swing.JTextField();
dec = new javax.swing.JTextField();
sept = new javax.swing.JTextField();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
msales = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
yearly = new javax.swing.JTextField();
jButton4 = new javax.swing.JButton();
profits1 = new javax.swing.JTextField();
jButton5 = new javax.swing.JButton();
year = new com.toedter.calendar.JYearChooser();
jLabel14 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
OrdersTable = new javax.swing.JTable();

jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel6.setText("May");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 8), "Sales",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 0,
24))); // NOI18N

```

```

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

```

```

jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N

```

```
jLabel1.setText("January");
```

```
jan.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyTyped(java.awt.event.KeyEvent evt) {  
        janKeyTyped(evt);  
    }  
});
```

```
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel2.setText("February");
```

```
feb.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyTyped(java.awt.event.KeyEvent evt) {  
        febKeyTyped(evt);  
    }  
});
```

```
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel3.setText("March");
```

```
mar.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyTyped(java.awt.event.KeyEvent evt) {  
        marKeyTyped(evt);  
    }  
});
```

```
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel4.setText("April");
```

```
apr.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyTyped(java.awt.event.KeyEvent evt) {  
        aprKeyTyped(evt);  
    }  
});
```

```
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel5.setText("May");
```

```
jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel7.setText("June");
```

```

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

jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel8.setText("July");

jLabel9.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel9.setText("September");

jLabel10.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel10.setText("August");

jLabel11.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel11.setText("November");

jLabel12.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel12.setText("October");

jLabel13.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel13.setText("December");

msales.setText("Monthly sales");
msales.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        msalesActionPerformed(evt);
    }
});

jButton3.setText("Total sales for the year");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setText("Graphical Representation");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```
jButton4ActionPerformed(evt);
}
});
```

```
profits1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        profits1ActionPerformed(evt);
    }
});
```

```
jButton5.setText("Gross profits");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});
```

```
jLabel14.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel14.setText("Year:");
```

```
OrdersTable.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null}  
    },  
    new String [] {  
        "Title 1", "Title 2", "Title 3", "Title 4"  
    }  
));  
jScrollPane2.setViewportViewView(OrdersTable);
```

```
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(124, 124, 124)
```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 187,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(yearly, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel13)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(dec, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel11)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(nov, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel12)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(oct, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel9)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel7)
        .addComponent(jLabel8)
        .addComponent(jLabel10))
        .addGap(65, 65, 65)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jun, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 100, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(july, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 100, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(aug, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addComponent(sept, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

        .addComponent(msales, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jButton4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(13, 13, 13)
        .addComponent(jLabel14)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(year, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(22, 22, 22)))
    .addGap(43, 43, 43)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel5)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(may, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel4)

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(apr, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(jLabel2)
                            .addGap(50, 50, 50)
                            .addComponent(feb, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel1)

                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(jan, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                                        javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGroup(jPanel1Layout.createSequentialGroup()
                                        .addComponent(jLabel3)
                                        .addGap(72, 72, 72)
                                        .addComponent(mar, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                                            javax.swing.GroupLayout.PREFERRED_SIZE))))))

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE,
176, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(37, 37, 37)
        .addComponent(profits1, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton1)))
    .addContainerGap()
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 661,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(68, 68, 68)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
    .addComponent(jLabel1)

```



```

        .addComponent(jan, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(jLabel2)
        .addComponent(feb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(jLabel3)
        .addComponent(mar, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
        .addComponent(apr, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(may, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5)))
    .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
        .addComponent(year, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel14))

```

```

        .addGap(51, 51, 51)
        .addComponent(msales)
        .addGap(18, 18, 18)
        .addComponent(jButton4)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(jLabel7)
        .addComponent(jun, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addGap(18, 18, 18)
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 254,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(20, 20, 20)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(july, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(aug, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10)
        .addComponent(profits1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton5))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    E)
        .addComponent(sept, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel9))
        .addGap(16, 16, 16)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(oct, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel12))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(nov, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel11))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(dec, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel13))
.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.createSequentialGroup()
        .addComponent(jButton1)
        .addContainerGap())
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton3)
    .addComponent(yearly, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(27, 27, 27))))
);

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(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();
setLocationRelativeTo(null);
} // </editor-fold>

```

```

public void showTableData() {
    try {

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Lifetime_Orders";
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();

        OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));

        con.close();

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

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

    try {

```

```

Class.forName("com.mysql.cj.jdbc.Driver");
con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
String sql="SELECT Price, Delivery_Date from Lifetime_orders";

pst=con.prepareStatement(sql);

int sum[]=new int[12];
for(int i=0;i<sum.length;i++) {
    sum[i]=0;

}
rs=pst.executeQuery();
while(rs.next()) {
    Date date=rs.getDate("Delivery_date");
    System.out.println(date.getMonth());

if((rs.getDate("Delivery_date").toString().substring(0,4).equals(Integer.toString(year.getYear
()))))

    switch (rs.getDate("Delivery_date").getMonth()) {
        case 0:
            sum[0]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 1:
            sum[1]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 2:
            sum[2]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 3:
            sum[3]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 4:
            sum[4]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 5:
            sum[5]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 6:
            sum[6]+=(Integer.parseInt(rs.getString("Price")));
            break;
    }
}
}

```

```

        case 7:
            sum[7]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 8:
            sum[8]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 9:
            sum[9]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 10:
            sum[10]+=(Integer.parseInt(rs.getString("Price")));
            break;
        case 11:
            sum[11]+=(Integer.parseInt(rs.getString("Price")));
            break;
        default:
            JOptionPane.showMessageDialog(null, "NOPE");
            break;
    }

    jan.setText(Integer.toString(sum[0]));
    feb.setText(Integer.toString(sum[1]));
    mar.setText(Integer.toString(sum[2]));
    apr.setText(Integer.toString(sum[3]));
    may.setText(Integer.toString(sum[4]));
    jun.setText(Integer.toString(sum[5]));
    july.setText(Integer.toString(sum[6]));
    aug.setText(Integer.toString(sum[7]));
    sept.setText(Integer.toString(sum[8]));
    oct.setText(Integer.toString(sum[9]));
    nov.setText(Integer.toString(sum[10]));
    dec.setText(Integer.toString(sum[11]));
}

con.close();
}

catch(SQLException | ClassNotFoundException obj) {
    JOptionPane.showMessageDialog(null, obj);
}

```

```

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int sum=0;
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Lifetime_Orders";
        pst=con.prepareStatement(sql);
        ResultSet rss=pst.executeQuery();
        while(rss.next()) {

            if(Integer.toString(year.getYear()).equals(rss.getString("Delivery_date").substring(0,4)))
                sum+=Integer.valueOf(rss.getString("Price"));
        }

    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
    yearly.setText(Integer.toString(sum));
}

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

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        DefaultCategoryDataset ds=new DefaultCategoryDataset();
        ds.setValue(Integer.valueOf(jan.getText()),"Sales","January");
        ds.setValue(Integer.valueOf(feb.getText()),"Sales","February");
        ds.setValue(Integer.valueOf(mar.getText()),"Sales","March");
        ds.setValue(Integer.valueOf(apr.getText()),"Sales","April");
        ds.setValue(Integer.valueOf(may.getText()),"Sales","May");
        ds.setValue(Integer.valueOf(jun.getText()),"Sales","June");
        ds.setValue(Integer.valueOf(july.getText()),"Sales","July");
    }
}

```

```

ds.setValue(Integer.valueOf(aug.getText()), "Sales", "August");
ds.setValue(Integer.valueOf(sept.getText()), "Sales", "September");
ds.setValue(Integer.valueOf(oct.getText()), "Sales", "October");
ds.setValue(Integer.valueOf(nov.getText()), "Sales", "November");
ds.setValue(Integer.valueOf(dec.getText()), "Sales", "December");

```

```

JFreeChart barchart=ChartFactory.createBarChart("Monthly sales", "Months", "Sales",
ds, PlotOrientation.VERTICAL, false, true, false);
CategoryPlot bar=barchart.getCategoryPlot();
bar.setRangeGridlinePaint(Color.BLACK);

```

```

ChartFrame frame;
frame = new ChartFrame("BAR CHART FOR SALES",barchart);
frame.setVisible(true);
frame.setSize(1000,600);
Toolkit toolkit=getToolkit();
Dimension size=toolkit.getScreenSize();
frame.setLocation(size.width/2-getWidth()/2,size.height/2-getHeight()/2);
jan.setEditable(false);
feb.setEditable(false);
mar.setEditable(false);
apr.setEditable(false);
may.setEditable(false);
jun.setEditable(false);
july.setEditable(false);
aug.setEditable(false);
sept.setEditable(false);
oct.setEditable(false);
nov.setEditable(false);
dec.setEditable(false);
}
catch(Exception obj) {
    JOptionPane.showMessageDialog(null,"Click on the Monthly Sales Button");
}

```

```

}

```

```

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

```



```
}
```

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

```
}
```

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

```
}
```

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

```
}
```

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

```
setVisible(false);
```

```
SalesRecords obj=new SalesRecords();
```

```
obj.setVisible(true);
```

```
}
```

```
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:
```

```
int sum=0;
```

```
int sum1=0;
```

```
try {
```

```
    Class.forName("com.mysql.cj.jdbc.Driver");
```

```
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP  
IA","root","root");
```

```
    String sql="SELECT * from Lifetime_Orders";
```

```
    pst=con.prepareStatement(sql);
```

```
    ResultSet rss=pst.executeQuery();
```

```
    while(rss.next()) {
```

```
        sum+=Integer.valueOf(rss.getString("Price"));
```

```
    }
```

```
}
```

```
catch(Exception obj) {
```

```
    JOptionPane.showMessageDialog(null, obj);
```

```

    }

    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Stock";
        pst=con.prepareStatement(sql);
        ResultSet rss=pst.executeQuery();
        while(rss.next()) {
            sum1+=Integer.valueOf(rss.getString("Price"));
        }
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
    int profit=sum-sum1;

    profits1.setText(Integer.toString(profit));

}

private void profits1ActionPerformed(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(TotalSales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(TotalSales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(TotalSales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TotalSales.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 TotalSales().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JTable OrdersTable;
private javax.swing.JTextField apr;
private javax.swing.JTextField aug;
private javax.swing.JTextField dec;
private javax.swing.JTextField feb;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;

```

```

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 jLabel14;
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.JTextField jTextField6;
private javax.swing.JTextField jan;
private javax.swing.JTextField july;
private javax.swing.JTextField jun;
private javax.swing.JTextField mar;
private javax.swing.JTextField may;
private javax.swing.JButton msales;
private javax.swing.JTextField nov;
private javax.swing.JTextField oct;
private javax.swing.JTextField profits1;
private javax.swing.JTextField sept;
private com.toedter.calendar.JYearChooser year;
private javax.swing.JTextField yearly;
// End of variables declaration
}

```

Orders for the day class

```

/*
 * 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 project;

```

```

import java.awt.HeadlessException;
import java.awt.event.KeyEvent;
import java.awt.print.PrinterException;
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Date;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.JPanel;
import javax.swing.JScrollPane;
import javax.swing.JTextArea;
import javax.swing.JTextField;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;
/**
 *
 * @author tanaykhandelwal
 */
public class EditingForm extends javax.swing.JFrame {

    /**
     * Creates new form EditingForm
     */
    private String nameOfProduct;
    private String rprice;
    private String rcustomername;
    private String rproductname;

```

```

private String rdate;
private JPanel jPanel = new javax.swing.JPanel();
private JScrollPane jScrollPane2 = new javax.swing.JScrollPane();
private JTextArea receipt = new javax.swing.JTextArea();
private JButton back1 = new javax.swing.JButton();
private JButton generatereceipt1 = new javax.swing.JButton();
private JButton jButton3 = new javax.swing.JButton();
private int quantity124;

public EditingForm() {
    initComponents();
    fillInput();
    showTableData();
    DateFormat df = new SimpleDateFormat("EEEE, d MMMM, yyyy");
    date.setText(df.format(dateobj));
    rprice=Price.getText();
    rcustomername=CustomerName.getText();
    rproductname=ProductName.getSelectedItem().toString();
    Receipt.setEditable(false);
    srno.setEditable(false);
    OrdersTable.setAutoCreateRowSorter(true);
}

```

```

Date dateobj = new Date();
Connection con=null;
PreparedStatement pst=null;
ResultSet rs=null;
DefaultTableModel model;
JFrame frame;
JTextArea txt;

```

```

public String getRPrice() {
    return rprice;
}

```

```

public void setRPrice(String rprice) {
    this.rprice=rprice;
}

```

```
}
```

```
public String getRCustomerName() {  
    return rcustomername;  
}
```

```
public void setRCustomerName(String rcustomername) {  
    this.rcustomername=rcustomername;  
}
```

```
public String getRProductName() {  
    return rproductname;  
}
```

```
public void setRProductName(String rproductname) {  
    this.rproductname=rproductname;  
}
```

```
public void setNameOfProduct(String nameOfProduct) {  
    this.nameOfProduct=nameOfProduct;  
}
```

```
public String getNameOfProduct() {  
    return nameOfProduct;  
}
```

```
public String getRDate() {  
    return rdate;  
}
```

```
public void setRDate(String rdate) {  
    this.rdate=rdate;  
}
```

```
public boolean checkInputs() {  
    if(ProductName.getSelectedItem()==null || CustomerName.getText()==null ||  
Price.getText()==null || DeliveryDate.getDate().toString()==null ) {  
        return false;  
    }  
}
```

```

else {
    Float.parseFloat(Price.getText());
    return true;
}
}

```

```

/**
 * 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() {

    jMenuItem1 = new javax.swing.JMenuItem();
    jMenu1 = new javax.swing.JMenu();
    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    srno = new javax.swing.JTextField();
    insert = new javax.swing.JButton();
    Update = new javax.swing.JButton();
    Delete = new javax.swing.JButton();
    jLabel5 = new javax.swing.JLabel();
    CustomerName = new javax.swing.JTextField();
    Price = new javax.swing.JTextField();
    back = new javax.swing.JButton();
    ProductName = new javax.swing.JComboBox<>();
    DeliveryDate = new com.toedter.calendar.JDateChooser();
    date = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    quantity = new javax.swing.JTextField();
    getprice = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();

```



```

OrdersTable = new javax.swing.JTable();
filter = new javax.swing.JTextField();
jLabel7 = new javax.swing.JLabel();
select = new javax.swing.JComboBox<>();
jScrollPane3 = new javax.swing.JScrollPane();
Receipt = new javax.swing.JTextArea();
Print = new javax.swing.JButton();
generatereceipt = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton4 = new javax.swing.JButton();
jButton5 = new javax.swing.JButton();
jButton6 = new javax.swing.JButton();
jButton7 = new javax.swing.JButton();
jButton8 = new javax.swing.JButton();
jButton9 = new javax.swing.JButton();

jMenuItem1.setText("jMenuItem1");

jMenu1.setText("jMenu1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 10), "Ongoing orders",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
36), new java.awt.Color(255, 255, 255))); // NOI18N

jPanel2.setBackground(new java.awt.Color(153, 153, 153));
jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 7));

jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel1.setText("Serial No.");

jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel2.setText("Customer Name");

jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N

```

```
jLabel3.setText("Delivery Date");
```

```
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
```

```
jLabel4.setText("Price");
```

```
srno.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        srnoActionPerformed(evt);  
    }  
});
```

```
insert.setText("Add order");
```

```
insert.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        insertActionPerformed(evt);  
    }  
});
```

```
Update.setText("Change details for the order ");
```

```
Update.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        UpdateActionPerformed(evt);  
    }  
});
```

```
Delete.setText("Order has been delivered");
```

```
Delete.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        DeleteActionPerformed(evt);  
    }  
});
```

```
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
```

```
jLabel5.setText("Product Name");
```

```
CustomerName.setText("Enter Customer Name");
```

```
CustomerName.setDisabledTextColor(new java.awt.Color(204, 204, 204));
```

```
CustomerName.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseExited(java.awt.event.MouseEvent evt) {  
        CustomerNameMouseExited(evt);  
    }  
})
```

```
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            CustomerNameMouseEntered(evt);
        }
    });
    CustomerName.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            CustomerNameActionPerformed(evt);
        }
    });
```

```
    Price.setText("0");
    Price.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseExited(java.awt.event.MouseEvent evt) {
            PriceMouseExited(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            PriceMouseEntered(evt);
        }
    });
    Price.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            PriceActionPerformed(evt);
        }
    });
```

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

```
    ProductName.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mousePressed(java.awt.event.MouseEvent evt) {
            ProductNameMousePressed(evt);
        }
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            ProductNameMouseClicked(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            ProductNameMouseExited(evt);
        }
    });
```

```

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

DeliveryDate.setDateFormatString("yyyy-MM-dd");

jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel8.setText("Quantity(in kg)");

quantity.setText("0");
quantity.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseExited(java.awt.event.MouseEvent evt) {
        quantityMouseExited(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        quantityMouseEntered(evt);
    }
});
quantity.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        quantityActionPerformed(evt);
    }
});
quantity.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        quantityKeyTyped(evt);
    }
});

getprice.setText("Fetch price");
getprice.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        getpriceActionPerformed(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(27, 27, 27)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(date, javax.swing.GroupLayout.PREFERRED_SIZE, 335,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(back)
                .addContainerGap())
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(insert)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    39, Short.MAX_VALUE)
                .addComponent(delete)
                .addGap(33, 33, 33))
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, 160,
                    Short.MAX_VALUE)
                .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addComponent(srno)
    .addComponent(CustomerName)
    .addComponent(Price)
    .addComponent(ProductName, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(DeliveryDate, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE, 235, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(getprice, javax.swing.GroupLayout.PREFERRED_SIZE, 99, javax.swing.GroupLayout.PREFERRED_SIZE)))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(25, 25, 25)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel1)
    .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(CustomerName, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2))
    .addGap(27, 27, 27)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jLabel5)
    .addComponent(ProductName, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 36,  
Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jLabel8)
```

```
    .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGap(35, 35, 35)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jLabel4)
```

```
    .addComponent(Price, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(getprice)))
```

```
    .addGap(33, 33, 33)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(DeliveryDate, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(jLabel3))
```

```
    .addGap(101, 101, 101)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(insert)
```

```
    .addComponent(update)
```

```
    .addComponent(delete))
```

```
    .addGap(72, 72, 72)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
    .addComponent(back)
```

```

        .addComponent(date, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap()
    );

    JPanel3.setBackground(new java.awt.Color(153, 153, 153));
    JPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 7));

```

```

OrdersTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null}
    },
    new String [] {
        "Reference No.", "Customer name", "Product Name", "Price", "Delivery_Date",
"Status"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});

OrdersTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        OrdersTableMouseClicked(evt);
    }
});

JScrollPane1.setViewportViewView(OrdersTable);
if (OrdersTable.getColumnModel().getColumnCount() > 0) {
    OrdersTable.getColumnModel().getColumn(0).setResizable(false);
    OrdersTable.getColumnModel().getColumn(0).setPreferredWidth(1);
    OrdersTable.getColumnModel().getColumn(1).setPreferredWidth(8);
    OrdersTable.getColumnModel().getColumn(2).setPreferredWidth(8);
    OrdersTable.getColumnModel().getColumn(3).setPreferredWidth(1);
}

```



```

    }

    filter.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            filterActionPerformed(evt);
        }
    });
    filter.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyPressed(java.awt.event.KeyEvent evt) {
            filterKeyPressed(evt);
        }
        public void keyReleased(java.awt.event.KeyEvent evt) {
            filterKeyReleased(evt);
        }
    });

    jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
    jLabel7.setText("Sort by:");

    select.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Serial",
"Customer_Name", "Product_Name", "Delivery_Date", "Price", "Status" }));

    Receipt.setColumns(20);
    Receipt.setRows(5);
    jScrollPane3.setViewportViewView(Receipt);

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

    generatereceipt.setText("Generate receipt");
    generatereceipt.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            generatereceiptActionPerformed(evt);
        }
    });

    jButton2.setText("Reset Table Filters");

```

```

jButton4.setText("Reset Table Filters");

jButton5.setText("Reset Table Filters");

jButton6.setText("Reset Table Filters");

jButton7.setText("Reset Table Filters");

jButton8.setText("Reset Table Filters");

jButton9.setText("Reset Table Filters");


javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel7)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE, 153,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(60, 60, 60)
            .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 306,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(134, 134, 134))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jPanel3Layout.createSequentialGroup()
                .addGap(
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addComponent(generatereceipt)
                        .addGap(18, 18, 18)
                        .addComponent(Print)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jButton9))
                    .addComponent(jScrollPane3, javax.swing.GroupLayout.Alignment.TRAILING)

```

```

        .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING))
    .addContainerGap()

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jButton2)
            .addGap(0, 0, Short.MAX_VALUE)))

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jButton4)
            .addGap(0, 0, Short.MAX_VALUE)))

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jButton5)
            .addGap(0, 0, Short.MAX_VALUE)))

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jButton6)
            .addGap(0, 0, Short.MAX_VALUE)))

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jButton7)
            .addGap(0, 0, Short.MAX_VALUE)))

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel3Layout.createSequentialGroup()

```

```

        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jButton8)
        .addGap(0, 0, Short.MAX_VALUE)))
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
            .addContainerGap(16, Short.MAX_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
            .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel7)
            .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE, 336,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
            .addComponent(Print)
            .addComponent(generatereceipt)
            .addComponent(jButton9))
            .addContainerGap())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jButton2)
                .addGap(0, 0, Short.MAX_VALUE)))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)

```

```
.addGroup(jPanel3Layout.createSequentialGroup()  
    .addGap(0, 0, Short.MAX_VALUE)  
    .addComponent(jButton4)  
    .addGap(0, 0, Short.MAX_VALUE)))  
  
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
G)  
    .addGroup(jPanel3Layout.createSequentialGroup()  
        .addGap(0, 0, Short.MAX_VALUE)  
        .addComponent(jButton5)  
        .addGap(0, 0, Short.MAX_VALUE))  
    )  
  
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
G)  
    .addGroup(jPanel3Layout.createSequentialGroup()  
        .addGap(0, 0, Short.MAX_VALUE)  
        .addComponent(jButton6)  
        .addGap(0, 0, Short.MAX_VALUE))  
    )  
  
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
G)  
    .addGroup(jPanel3Layout.createSequentialGroup()  
        .addGap(0, 0, Short.MAX_VALUE)  
        .addComponent(jButton7)  
        .addGap(0, 0, Short.MAX_VALUE))  
    )  
  
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
G)  
    .addGroup(jPanel3Layout.createSequentialGroup()  
        .addGap(0, 0, Short.MAX_VALUE)  
        .addComponent(jButton8)  
        .addGap(0, 0, Short.MAX_VALUE))  
    );  
  
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(10, 10, 10)  
            .addContainerGap()
```

```

        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addContainerGap())
    );

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

```

```

    );

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

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

public void checkUser() {
    Login obj=new Login();

    JOptionPane.showMessageDialog(null, obj.getIsAdmin());

}

public void fillInput() {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="Select * from Menu";
        pst=con.prepareStatement(sql);
        rs =pst.executeQuery();
        while (rs.next()) {
            String name=rs.getString("Name");
            ProductName.addItem(name);
        }
        con.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.WARNING_MESSAGE);

    }
}

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

```

```

try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    String sql="UPDATE Orders SET Customer_Name=?,Product_Name=?,Quantity=?,
Price=?,Delivery_Date=? WHERE Serial=?";
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    pst=con.prepareStatement(sql);
    pst.setString(1, CustomerName.getText());
    pst.setString(2, (String) ProductName.getSelectedItemAt());
    pst.setString(3, quantity.getText());
    pst.setString(4, Price.getText());
    DateFormat df = new SimpleDateFormat("yyyy-MM-dd");
    pst.setString(5, df.format(DeliveryDate.getDate()));
    pst.setString(6, srno.getText());

    pst.executeUpdate();
    JOptionPane.showMessageDialog(null,"Updated successfully");
    con.close();

}
catch (SQLException obj) {
    JOptionPane.showMessageDialog(null,obj);
}
catch (ClassNotFoundException ex) {
    Logger.getLogger(EditingForm.class.getName()).log(Level.SEVERE, null, ex);
}
showTableData();
srno.setText("");
CustomerName.setText("");
ProductName.setSelectedItemAt("-");
Price.setText("");
quantity.setText("");
}

private void insertActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        String sql="INSERT INTO Orders(Customer_Name, Product_Name, Quantity, Price,
Delivery_Date)" + " VALUES (?, ?, ?, ?, ?)";
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    }

```



```

        pst=con.prepareStatement(sql);
        DateFormat df = new SimpleDateFormat("yyyy-MM-dd");
        pst.setString(1, CustomerName.getText());
        pst.setString(2, (String) ProductName.getSelectedItemAt());
        pst.setString(3, quantity.getText());
        quantity124=Integer.parseInt(quantity.getText());
        pst.setString(4, Price.getText());
        pst.setString(5, df.format(DeliveryDate.getDate()));
        pst.executeUpdate();

        JOptionPane.showMessageDialog(null,"Inserted successfully");
        con.close();

    }

    catch (SQLException obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
    catch (ClassNotFoundException ex) {
        Logger.getLogger(EditingForm.class.getName()).log(Level.SEVERE, null, ex);
    }
    showTableData();

    srno.setText("");
    CustomerName.setText("");
    ProductName.setSelectedItemAt("-");
    Price.setText("");
    quantity.setText("");
    ((JTextField)DeliveryDate.getDateEditor().getUiComponent()).setText("");

}

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

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

@SuppressWarnings("empty-statement")

```

```

private void DeleteActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    DateFormat df = new SimpleDateFormat("yyyy-MM-dd");
    Date date1=new Date();
    String date2=df.format(date1);
    boolean flag=false;

    if(date2.equalsIgnoreCase(df.format(DeliveryDate.getDate()))){
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            String sql="INSERT INTO Lifetime_Orders(Customer_Name, Product_Name,
Quantity, Price, Delivery_Date)" + " VALUES (?, ?, ?, ?, ?)";
            con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
            pst=con.prepareStatement(sql);
            pst.setString(1, CustomerName.getText());
            nameOfProduct=(String)ProductName.getSelectedItemAt();
            pst.setString(2, (String) ProductName.getSelectedItemAt());
            pst.setString(3, quantity.getText());
            quantity124=Integer.parseInt(quantity.getText());
            pst.setString(4, Price.getText());
            pst.setString(5, df.format(DeliveryDate.getDate()));
            pst.executeUpdate();
            con.close();
            flag=true;
        }
        catch (SQLException obj) {
            JOptionPane.showMessageDialog(null,obj);
        }
        catch (ClassNotFoundException ex) {
            Logger.getLogger(EditingForm.class.getName()).log(Level.SEVERE, null, ex);
        }
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            String sql="DELETE FROM Orders WHERE Serial=?";
            con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
            pst=con.prepareStatement(sql);
            pst.setString(1, srno.getText());
            pst.executeUpdate();
            JOptionPane.showMessageDialog(null,"Great job!");
        }
    }
}

```

```

        con.close();
        showTableData();
    } catch (SQLException obj) {
        JOptionPane.showMessageDialog(null,obj);
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(EditingForm.class.getName()).log(Level.SEVERE, null, ex);
    }
    srno.setText("");
    CustomerName.setText("");
    ProductName.setSelectedItem("-");
    Price.setText("");
    quantity.setText("");
}
else {
    JOptionPane.showMessageDialog(null, "Today's not the delivery date!");
}
ResultSet rs1=null;
int arr[]=new int[9];
ArrayList<String> brr=new ArrayList();
brr.add("Baking_Soda");
brr.add("Flour");
brr.add("Condensed_Milk");
brr.add("Oil");
brr.add("Essence");
brr.add("Whipped_Cream");
brr.add("Cocoa_Powder");
brr.add("Sugar");
brr.add("Butter");
try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    String sql="SELECT Baking_Soda, Flour, Condensed_Milk, Oil, Essence,
Whipped_Cream, Cocoa_Powder, Sugar, Butter FROM IngredientsPerCake WHERE Name =
 '"+ProductName.getSelectedItem().toString()+"'";
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    pst=con.prepareStatement(sql);
    rs=pst.executeQuery();
    int counter=0;

    String sql1="SELECT Quantity, Price FROM Stock";

```

```

        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        PreparedStatement pst1=con.prepareStatement(sql1);
        rs1=pst1.executeQuery();

        for(int i=0;i<arr.length && rs1.next();i++) {
            int k = 0;
            rs.first();

            rs1.beforeFirst();
            while(rs1.next()){

                arr[i]=Integer.parseInt(rs1.getString("Quantity"))-
Integer.parseInt(rs.getString(brr.get(k)));
                sql="update Stock set Quantity = (?) where Name = (?)";
                PreparedStatement ps=con.prepareStatement(sql);
                ps.setInt(1,(Integer.parseInt(rs1.getString("Quantity"))-
(quantity124*Integer.parseInt(rs.getString(brr.get(k))))));
                ps.setString(2, brr.get(k++));
                ps.executeUpdate();
            }
        }

    }
    catch(Exception obj) {
        System.out.println(obj.getMessage());
    }/*
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        String sql="UPDATE Stock SET Name=?, Quantity=? WHERE Serial=?";
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        pst=con.prepareStatement(sql);
        pst.setString(1, name.getText());
        pst.setString(2, (String) ProductName.getSelectedItemId());
        pst.setString(3, Price.getText());
        pst.setString(4, df.format(DeliveryDate.getDate()));
        pst.setString(5, srno.getText());

        pst.executeUpdate();

```

```

JOptionPane.showMessageDialog(null,"Updated successfully");
con.close();

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

*/

}
public void showTableData() {
    try {

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String s="Delivered";
        String sql="SELECT * from Orders";
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();

        OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));
        con.close();

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

private void backActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
setVisible(false);
Admin obj1=new Admin();
obj1.setVisible(true);

}

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

```

```
}
```

```
private void OrdersTableMouseClicked(java.awt.event.MouseEvent evt) {  
// TODO add your handling code here:  
try {  
    model=(DefaultTableModel) OrdersTable.getModel();  
    int row=OrdersTable.getSelectedRow();  
    Class.forName("com.mysql.cj.jdbc.Driver");  
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP  
IA","root","root");  
    String SelectedRowOption=(OrdersTable.getModel().getValueAt(row,0).toString());  
    String sql="SELECT * from Orders where Serial="+SelectedRowOption;  
    pst=con.prepareStatement(sql);  
    rs=pst.executeQuery();  
    if(rs.next()) {  
        String date1=rs.getString("Delivery_Date");  
        srno.setText(rs.getString("Serial"));  
        CustomerName.setText(rs.getString("Customer_Name"));  
        ProductName.setSelectedItem(rs.getString("Product_Name"));  
        quantity.setText(rs.getString("Quantity"));  
        Price.setText(rs.getString("Price"));  
        ((JTextField)DeliveryDate.getDateEditor().getUiComponent()).setText(date1);  
    }  
    con.close();  
}  
catch(Exception obj) {  
    JOptionPane.showMessageDialog(null,obj);  
}  
}
```

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

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

```

    }

    private void filterKeyReleased(java.awt.event.KeyEvent evt) {
// TODO add your handling code here:
try {
    String selection=(String)select.getSelectedItem();
    Class.forName("com.mysql.cj.jdbc.Driver");
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    String sql="SELECT * from Orders where "+selection+"=?";
    pst=con.prepareStatement(sql);
    pst.setString(1, filter.getText());
    rs=pst.executeQuery();
    OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));
}
catch(Exception obj) {
    JOptionPane.showMessageDialog(null, obj);
}
}

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

    private void generatereceiptActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
Receipt.setText("");
Receipt.append("-----
\n\n"
    +"-----Dulcedines-----\n\n"
    +"Date: "+dateobj+"\n\n"
        +"Name of the customer: "+CustomerName.getText()+"\n\n"
            +"Name of the product: "+ProductName.getSelectedItem()+"\n\n"
                +"Price: "+Price.getText()+"\n\n"
                    +"Thank you for ordering from our bakery, hope you visit again "
);
Receipt.setEditable(false);

```

```
}
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    try {  
        // TODO add your handling code here:  
        boolean print=receipt.print();  
        if(print) {  
            JOptionPane.showMessageDialog(null, "Done");  
        }  
        else {  
            JOptionPane.showMessageDialog(null, "Printing");  
        }  
    } catch (PrinterException ex) {  
        JOptionPane.showMessageDialog(null, ex);  
    }  
}
```

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try {  
        FileWriter writer=new FileWriter("/Users/tanaykhandelwal/Desktop/");  
        BufferedWriter bw=new BufferedWriter(writer);  
        receipt.write(bw);  
        receipt.setText("");  
        receipt.requestFocus();  
    }  
    catch(Exception obj) {  
        JOptionPane.showMessageDialog(null, obj);  
    }  
}
```

```
private void jButtonActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    EditingForm obj=new EditingForm();  
    setVisible(false);  
    obj.setVisible(true);  
}
```



```

    private void PrintActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
try {
    boolean complete=receipt.print();
    if(complete) {
        JOptionPane.showMessageDialog(null,"Done
printing","Information",JOptionPane.INFORMATION_MESSAGE);
    }
    else {

JOptionPane.showMessageDialog(null,"Printing","Printer",JOptionPane.ERROR_MESSAGE);
    }
}
catch(HeadlessException | PrinterException obj) {
    JOptionPane.showMessageDialog(null, obj);

    receipt.setText("");
}
}

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

    }

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

    }

    private void PriceMouseEntered(java.awt.event.MouseEvent evt) {
// TODO add your handling code here:
if(Price.getText().equals("0"))
    Price.setText("");
}

    private void CustomerNameMouseEntered(java.awt.event.MouseEvent evt) {
// TODO add your handling code here:
if(CustomerName.getText().equalsIgnoreCase("Enter Customer Name"))
    CustomerName.setText("");
}

```

```
}
```

```
private void CustomerNameMouseExited(java.awt.event.MouseEvent evt) {  
// TODO add your handling code here:  
if(CustomerName.getText().equals(""))  
    CustomerName.setText("Enter Customer Name");  
}
```

```
private void PriceMouseExited(java.awt.event.MouseEvent evt) {  
// TODO add your handling code here:  
if(Price.getText().equals(""))  
    Price.setText("0");  
}
```

```
private void quantityMouseExited(java.awt.event.MouseEvent evt) {  
// TODO add your handling code here:  
if(quantity.getText().equals(""))  
    quantity.setText("0");  
}
```

```
private void quantityMouseEntered(java.awt.event.MouseEvent evt) {  
// TODO add your handling code here:  
if(quantity.getText().equals("0"))  
    quantity.setText("");  
}
```

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

```
private void getPriceActionPerformed(java.awt.event.ActionEvent evt) {  
// TODO add your handling code here:  
try {  
    Class.forName("com.mysql.cj.jdbc.Driver");  
    int index=ProductName.getSelectedItem().toString().indexOf(' ');  
    String firstPart=ProductName.getSelectedItem().toString().substring(0, index);  
    String lastPart=ProductName.getSelectedItem().toString().substring(index);  
    String sql="SELECT * FROM Menu WHERE Name = '"+firstPart+"'+lastPart+'";  
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP  
IA","root","root");  
    pst=con.prepareStatement(sql);
```

```

rs=pst.executeQuery();
rs.first();
String s="";
int q=0;
s=quantity.getText().toString();
q=(Integer.parseInt(rs.getString("Price"))*Integer.parseInt(s);
Price.setText(Integer.toString(q));

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

private void quantityKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    char c = evt.getKeyChar();
    if(!(Character.isDigit(c) | c== KeyEvent.VK_BACK_SPACE | c== KeyEvent.VK_DELETE))
    {
        getToolkit().beep();
        evt.consume();
    }
}

/**
 * @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(EditingForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(EditingForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(EditingForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(EditingForm.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 EditingForm().setVisible(true);
    }
});
}

// Variables declaration - do not modify
public javax.swing.JTextField CustomerName;
private javax.swing.JButton Delete;
public com.toedter.calendar.JDateChooser DeliveryDate;
javax.swing.JTable OrdersTable;
public javax.swing.JTextField Price;
private javax.swing.JButton Print;
public javax.swing.JComboBox<String> ProductName;
private javax.swing.JTextArea Receipt;
private javax.swing.JButton Update;
private javax.swing.JButton back;

```

```

private javax.swing.JLabel date;
private javax.swing.JTextField filter;
private javax.swing.JButton generatereceipt;
private javax.swing.JButton getprice;
private javax.swing.JButton insert;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JButton jButton7;
private javax.swing.JButton jButton8;
private javax.swing.JButton jButton9;
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 jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane3;
public javax.swing.JTextField quantity;
private javax.swing.JComboBox<String> select;
public javax.swing.JTextField srno;
// End of variables declaration

```

```

private void populate(String text, String text0, String string, String text1, String text2,
String string0) {
    throw new UnsupportedOperationException("Not supported yet."); //To change body
of generated methods, choose Tools | Templates.
}
}

```

Stock class

```

/*

```

- * 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 project;

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;
```

/**

*

* @author tanaykhandelwal

*/

public class Stock1 extends javax.swing.JFrame {

/**

* Creates new form Stock1

*/

```
public Stock1() {
    initComponents();
    showTableData();
    srno.setEditable(false);
    name.setEditable(false);
    quantity.setEditable(false);
    price.setEditable(false);
    StockTable.setAutoCreateRowSorter(true);
}
```

Connection con;

PreparedStatement pst;

ResultSet rs;

/**

* 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() {

    jPanel2 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    name = new javax.swing.JTextField();
    quantity = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    StockTable = new javax.swing.JTable();
    jLabel4 = new javax.swing.JLabel();
    srno = new javax.swing.JTextField();
    jButton2 = new javax.swing.JButton();
    jLabel5 = new javax.swing.JLabel();
    price = new javax.swing.JTextField();
    jButton3 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 8), "Stock",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N

    jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
    jLabel2.setText("Name:");

    jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
    jLabel3.setText("Quantity:");

    StockTable.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null},
            {null, null, null, null},
            {null, null, null, null},
            {null, null, null, null}
        },
    },

```

```
new String [] {  
    "Serial", "Name", "Quantity", "Price"  
}  
));  
StockTable.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        StockTableMouseClicked(evt);  
    }  
});  
jScrollPane1.setViewportViewView(StockTable);  
  
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N  
jLabel4.setText("Serial:");  
  
jButton2.setText("Back");  
jButton2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});  
  
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N  
jLabel5.setText("Price:");  
  
jButton3.setText("Add new stock");  
jButton3.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton3ActionPerformed(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()  
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```



```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
```

```
                .addComponent(jLabel2)
```

```
                .addGap(26, 26, 26))
```

```
            .addGroup(jPanel2Layout.createSequentialGroup()
```

```
                .addGap(42, 42, 42)
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    )
```

```
            .addComponent(jLabel5)
```

```
            .addComponent(jLabel3))))
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addComponent(name, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 130, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    )
```

```
        .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE,
130, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
130, javax.swing.GroupLayout.PREFERRED_SIZE))))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGap(42, 42, 42)
```

```
        .addComponent(jLabel4)
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```

        .addGroup(jPanel2Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jButton3)))
    .addGap(177, 177, 177)
    .addComponent(jButton2)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 545,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(66, 66, 66)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
        .addComponent(jLabel4)
        .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(39, 39, 39)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
        .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGap(36, 36, 36)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3))
        .addGap(30, 30, 30)

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 24, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jButton2)
```

```
    .addComponent(jButton3)))
```

```
    .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 453, Short.MAX_VALUE))
```

```
    .addContainerGap()
```

```
);
```

```
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.DEFAULT_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addContainerGap())
```

```
);
```

```
layout.setVerticalGroup(
```

```
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
);
```

```
pack();
```

```
setLocationRelativeTo(null);
```

```
}// </editor-fold>
```

```
public void showTableData() {
```

```

try {

    Class.forName("com.mysql.cj.jdbc.Driver");
    con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    String s="Delivered";
    String sql="SELECT * from Stock";
    pst=con.prepareStatement(sql);
    rs=pst.executeQuery();

    StockTable.setModel(DbUtils.resultSetToTableModel(rs));
    con.close();

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

private void StockTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        DefaultTableModel model=(DefaultTableModel) StockTable.getModel();
        int row=StockTable.getSelectedRow();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String SelectedRowOption=(StockTable.getModel().getValueAt(row,0).toString());
        String sql="SELECT * from Stock where Serial="+SelectedRowOption;
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()) {

            srno.setText(rs.getString("Serial"));
            name.setText(rs.getString("Name"));
            quantity.setText(rs.getString("Quantity"));
            price.setText(rs.getString("Price"));
        }
        con.close();
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}

```

```

    }
}

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

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    ExistingStock obj=new ExistingStock();
    obj.setVisible(true);
}

/**
 * @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(Stock1.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (InstantiationException ex) {

```

```
java.util.logging.Logger.getLogger(Stock1.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(Stock1.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

```
java.util.logging.Logger.getLogger(Stock1.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 Stock1().setVisible(true);
    }
});
}
```

```
// Variables declaration - do not modify
private javax.swing.JTable StockTable;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField name;
private javax.swing.JTextField price;
private javax.swing.JTextField quantity;
private javax.swing.JTextField srno;
// End of variables declaration
}
```

Existing Stock class

```
/*
 * 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 project;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import javax.swing.JTextField;

/**
 *
 * @author tanaykhandelwal
 */
public class ExistingStock extends javax.swing.JFrame {

    /**
     * Creates new form ExistingStock
     */
    public ExistingStock() {
        initComponents();
        fillInput();
    }

    /**
     * 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();
ProductName = new javax.swing.JComboBox<>();
quantity = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
price = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 7), "New stock for existing items",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
26))); // NOI18N
```

```
jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel1.setText("Item: ");
```

```
ProductName.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ProductNameActionPerformed(evt);
    }
});
```

```
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel2.setText("Total Quantity: ");
```

```
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel3.setText("Cumulative Price: ");
```

```
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(99, 99, 99)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel1)
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel3))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(39, 39, 39)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(ProductName, 0, 199, Short.MAX_VALUE)
            .addComponent(quantity)
            .addComponent(price))
            .addGap(241, 241, 241)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jButton2)
                .addGap(0, 0, 0))
        )
        .addGap(0, 0, 0)
    );
jPanel1Layout.setVerticalGroup(

```

```

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(53, 53, 53)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel1)
    .addComponent(ProductName, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2))
    .addGap(36, 36, 36)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 132,
Short.MAX_VALUE)
    .addComponent(jButton1)
    .addGap(24, 24, 24))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2)
        .addContainerGap())
    );

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

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

```

```

public void fillInput() {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="Select * from Stock";
        PreparedStatement pst=con.prepareStatement(sql);
        ResultSet rs =pst.executeQuery();
        while (rs.next()) {
            String name=rs.getString("Name");
            ProductName.addItem(name);
        }
        con.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.WARNING_MESSAGE);
    }
}

```

```

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

```

```

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

```

```

// TODO add your handling code here:
try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    String sql="UPDATE Stock SET Price=?, Quantity=? WHERE Name=?";
    Connection con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
    PreparedStatement pst=con.prepareStatement(sql);
    pst.setString(1, price.getText());
    pst.setString(2, quantity.getText());
    pst.setString(3, ProductName.getSelectedItem().toString());
    pst.executeUpdate();
    JOptionPane.showMessageDialog(null,"Added successfully");
    con.close();

}
catch(Exception obj) {

}

}

```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Stock1 obj=new Stock1();
    obj.setVisible(true);
}

```

```

/**
 * @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/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(ExistingStock.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(ExistingStock.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(ExistingStock.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(ExistingStock.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 ExistingStock().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JComboBox<String> ProductName;
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.JPanel jPanel1;
private javax.swing.JTextField price;

```

```
private javax.swing.JTextField quantity;
// End of variables declaration
}
```

Employee homepage class

```
/*
 * 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 project;

/**
 *
 * @author tanaykhandelwal
 */
public class EmployeePage extends javax.swing.JFrame {

    /**
     * Creates new form EmployeePage
     */
    public EmployeePage() {
        initComponents();
        Login obj=new Login();
        obj.setIsAdmin(0);
    }

    /**
     * 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();
        jButton1 = new javax.swing.JButton();
    }
}
```

```
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jButton4 = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 7), "Employee Home Page",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
15))); // NOI18N
```

```
jButton1.setText("Items in the menu");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
```

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

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

```
jButton4.setText("Back");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(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(323, 323, 323)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton3, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    .addContainerGap(314, Short.MAX_VALUE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addGap(0, 0, Short.MAX_VALUE)
    .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(70, 70, 70)
            .addComponent(jButton2)
            .addGap(32, 32, 32)
            .addComponent(jButton1)
            .addGap(32, 32, 32)
            .addComponent(jButton3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 179,
Short.MAX_VALUE)
            .addComponent(jButton4))
);

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

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

```

```

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

```

```

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

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    StockForEmployee obj=new StockForEmployee();
    obj.setVisible(true);
}

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Login obj=new Login();
    obj.setVisible(true);
}

/**
 * @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(EmployeePage.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(EmployeePage.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(EmployeePage.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(EmployeePage.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 EmployeePage().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.JPanel jPanel1;
// End of variables declaration
}

```

Employee orders for the day class

```

/*
 * 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 project;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import javax.swing.JTextField;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;

```

```

/**
 *
 * @author tanaykhandelwal
 */
public class EmployeeEditingForm extends javax.swing.JFrame {

    /**
     * Creates new form EmployeeEditingForm
     */
    public EmployeeEditingForm() {
        initComponents();
        fillInput();
        showTableData();
        srno.setEditable(false);
        CustomerName.setEditable(false);
        ProductName.setEditable(false);
        quantity.setEditable(false);
        Price.setEditable(false);
    }

    /**
     * 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();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        srno = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        CustomerName = new javax.swing.JTextField();
        Price = new javax.swing.JTextField();
    }

```

```

back = new javax.swing.JButton();
ProductName = new javax.swing.JComboBox<>();
DeliveryDate = new com.toedter.calendar.JDateChooser();
date = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
quantity = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
OrdersTable = new javax.swing.JTable();
jLabel7 = new javax.swing.JLabel();
select = new javax.swing.JComboBox<>();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 10), "Ongoing orders",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
36), new java.awt.Color(255, 255, 255))); // NOI18N

jPanel2.setBackground(new java.awt.Color(153, 153, 153));
jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 7));

jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel1.setText("Serial No.");

jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel2.setText("Customer Name");

jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel3.setText("Delivery Date");

jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel4.setText("Price");

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

```

```
});
```

```
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel5.setText("Product Name");
```

```
CustomerName.setText("Enter Customer Name");  
CustomerName.setDisabledTextColor(new java.awt.Color(204, 204, 204));  
CustomerName.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseExited(java.awt.event.MouseEvent evt) {  
        CustomerNameMouseExited(evt);  
    }  
    public void mouseEntered(java.awt.event.MouseEvent evt) {  
        CustomerNameMouseEntered(evt);  
    }  
});
```

```
CustomerName.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        CustomerNameActionPerformed(evt);  
    }  
});
```

```
Price.setText("0");  
Price.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseExited(java.awt.event.MouseEvent evt) {  
        PriceMouseExited(evt);  
    }  
    public void mouseEntered(java.awt.event.MouseEvent evt) {  
        PriceMouseEntered(evt);  
    }  
});
```

```
Price.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        PriceActionPerformed(evt);  
    }  
});
```

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

```
});
```

```
ProductName.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mousePressed(java.awt.event.MouseEvent evt) {  
        ProductNameMousePressed(evt);  
    }  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        ProductNameMouseClicked(evt);  
    }  
    public void mouseExited(java.awt.event.MouseEvent evt) {  
        ProductNameMouseExited(evt);  
    }  
});
```

```
ProductName.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        ProductNameActionPerformed(evt);  
    }  
});
```

```
DeliveryDate.setDateFormatString("yyyy-MM-dd");
```

```
jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel8.setText("Quantity(in kg)");
```

```
quantity.setText("0");  
quantity.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseExited(java.awt.event.MouseEvent evt) {  
        quantityMouseExited(evt);  
    }  
    public void mouseEntered(java.awt.event.MouseEvent evt) {  
        quantityMouseEntered(evt);  
    }  
});  
quantity.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        quantityActionPerformed(evt);  
    }  
});
```

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

```

        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null}
    },
    new String [] {
        "Reference No.", "Customer name", "Product Name", "Price", "Delivery_Date",
        "Status"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
OrdersTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        OrdersTableMouseClicked(evt);
    }
});
jScrollPane1.setViewportViewView(OrdersTable);

jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N
jLabel7.setText("Sort by:");

select.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Serial",
"Customer_Name", "Product_Name", "Delivery_Date", "Price", "Status" }));

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jPanel2Layout.createSequentialGroup()
                    .addGap(27, 27, 27)
                )
            )
        )
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .add(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jPanel2Layout.createSequentialGroup()
                    .addGap(27, 27, 27)
                )
            )
        )
    )
);

```



```

        .addComponent(date, javax.swing.GroupLayout.PREFERRED_SIZE, 335,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(back)
        .addContainerGap())
    .addGroup(jPanel2Layout.createSequentialGroup())

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, 160,
Short.MAX_VALUE)
        .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
124, Short.MAX_VALUE)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(srno)
        .addComponent(CustomerName)
        .addComponent(Price)
        .addComponent(ProductName, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(DeliveryDate, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE, 235,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(105, 105, 105))))
    .addGroup(jPanel2Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jScrollPane1))
    .addGroup(jPanel2Layout.createSequentialGroup())

```

```

        .addContainerGap()
        .addComponent(jLabel7)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE, 153,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(25, 25, 25)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1)
        .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(CustomerName, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGap(27, 27, 27)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(ProductName, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 23,
Short.MAX_VALUE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel8)
        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(35, 35, 35)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(Price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(33, 33, 33)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(DeliveryDate, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))
    .addGap(35, 35, 35)
    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel7)
    .addComponent(select, 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.TRAILING)
    .addComponent(back)
    .addComponent(date, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap()
);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .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.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

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

```

```

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

public void checkUser() {
    Login obj=new Login();

    JOptionPane.showMessageDialog(null, obj.getIsAdmin());
}

```

```

Connection con;

```

```

        ResultSet rs;
        PreparedStatement pst;
        public void fillInput() {
            try {
                Class.forName("com.mysql.cj.jdbc.Driver");
                con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
                String sql="Select * from Menu";
                pst=con.prepareStatement(sql);
                rs =pst.executeQuery();
                while (rs.next()) {
                    String name=rs.getString("Name");
                    ProductName.addItem(name);
                }
                con.close();
            } catch (Exception e) {
                JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.WARNING_MESSAGE);
            }
        }
    }
}

```

```

private void CustomerNameMouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(CustomerName.getText().equals(""))
        CustomerName.setText("Enter Customer Name");
}

```

```

private void CustomerNameMouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(CustomerName.getText().equalsIgnoreCase("Enter Customer Name"))
        CustomerName.setText("");
}

```

```

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

```

```

private void PriceMouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(Price.getText().equals(""))

```

```

        Price.setText("0");
    }

    private void PriceMouseEntered(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        if(Price.getText().equals("0"))
            Price.setText("");
    }

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

    private void backActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        setVisible(false);
        EmployeePage obj1=new EmployeePage();
        obj1.setVisible(true);
    }

    private void ProductNameMousePressed(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
            String sql="Select * from Menu";
            pst=con.prepareStatement(sql);
            rs =pst.executeQuery();
            while (rs.next()) {
                String name=rs.getString("Price");
                Price.setText(name);
            }
            con.close();
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.WARNING_MESSAGE);
        }
    }
}

```

```

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

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

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

private void quantityMouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(quantity.getText().equals(""))
        quantity.setText("in kg");;
}

private void quantityMouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    if(quantity.getText().equals("in kg"))
        quantity.setText("");
}

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

public void showTableData() {
    try {

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String s="Delivered";
        String sql="SELECT * from Orders";
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();

        OrdersTable.setModel(DbUtils.resultSetToTableModel(rs));
        con.close();
    }
}

```

```

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

private void OrdersTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        DefaultTableModel model=(DefaultTableModel) OrdersTable.getModel();
        int row=OrdersTable.getSelectedRow();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String SelectedRowOption=(OrdersTable.getModel().getValueAt(row,0).toString());
        String sql="SELECT * from Orders where Serial="+SelectedRowOption;
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()) {
            String date1=rs.getString("Delivery_Date");
            srno.setText(rs.getString("Serial"));
            CustomerName.setText(rs.getString("Customer_Name"));
            ProductName.setSelectedItem(rs.getString("Product_Name"));
            quantity.setText(rs.getString("Quantity"));
            Price.setText(rs.getString("Price"));
            ((JTextField)DeliveryDate.getDateEditor().getUiComponent()).setText(date1);
        }
        con.close();
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}

/**
 * @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(EmployeeEditingForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);  
    } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(EmployeeEditingForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);  
    } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(EmployeeEditingForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);  
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

```
java.util.logging.Logger.getLogger(EmployeeEditingForm.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 EmployeeEditingForm().setVisible(true);  
    }  
});  
}
```

```
// Variables declaration - do not modify
```

```

public javax.swing.JTextField CustomerName;
public com.toedter.calendar.JDateChooser DeliveryDate;
javax.swing.JTable OrdersTable;
public javax.swing.JTextField Price;
public javax.swing.JComboBox<String> ProductName;
private javax.swing.JButton back;
private javax.swing.JLabel date;
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 jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
public javax.swing.JTextField quantity;
private javax.swing.JComboBox<String> select;
public javax.swing.JTextField srno;
// End of variables declaration
}

```

Menu for employee class

```

/*
 * 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 project;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**

```

```

*
* @author tanaykhandelwal
*/
public class MenuForEmployee extends javax.swing.JFrame {

    /**
     * Creates new form MenuForEmployee
     */
    public MenuForEmployee() {
        initComponents();
        showTableData();
    }
    Connection con;
    PreparedStatement pst;
    ResultSet rs;

    /**
     * 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();
        price = new javax.swing.JTextField();
        serial = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        quantity = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jButton8 = new javax.swing.JButton();
        name = new javax.swing.JTextField();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        MenuTable = new javax.swing.JTable();
        filter = new javax.swing.JTextField();
        select = new javax.swing.JComboBox<>();
    }

```

```

jLabel5 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
menuprint = new javax.swing.JTextArea();
jButton1 = new javax.swing.JButton();
receipt = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 204, 204));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 7, true), "Menu Card",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

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

jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel2.setText("UID");

jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel3.setText("Price");

jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel4.setText("Quantity");

jButton8.setText("Back");
jButton8.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton8ActionPerformed(evt);
    }
});

```

```

    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
            .addGap(29, 29, 29)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 208,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(serial, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(price, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(quantity, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(name, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(92, 92, 92))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton8)
        .addContainerGap())

```

```

);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(34, 34, 34)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(serial, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton8)
        .addContainerGap()
);

```

```
jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 5));
```

```
MenuTable.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
  
        },  
    new String [] {  
        "UID", "Name", "Price", "Quantity"  
    }  
){  
    Class[] types = new Class [] {  
        java.lang.Object.class, java.lang.String.class, java.lang.Object.class,  
java.lang.Object.class  
    };  
    boolean[] canEdit = new boolean [] {  
        false, false, false, false  
    };  
  
    public Class getColumnClass(int columnIndex) {  
        return types [columnIndex];  
    }  
  
    public boolean isCellEditable(int rowIndex, int columnIndex) {  
        return canEdit [columnIndex];  
    }  
});  
MenuTable.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        MenuTableMouseClicked(evt);  
    }  
});  
jScrollPane1.setViewportView(MenuTable);  
  
filter.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyReleased(java.awt.event.KeyEvent evt) {  
        filterKeyReleased(evt);  
    }  
});
```

```
select.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Serial",  
"Name", "Price", "Quantity" }));
```

```
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 15)); // NOI18N  
jLabel5.setText("Search by:");
```

```
menuprint.setColumns(20);  
menuprint.setRows(5);  
jScrollPane2.setViewportView(menuprint);
```

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

```
receipt.setText("Generate a printable menu");  
receipt.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        receiptActionPerformed(evt);  
    }  
});
```

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

```
javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);  
jPanel3.setLayout(jPanel3Layout);  
jPanel3Layout.setHorizontalGroup(  
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel3Layout.createSequentialGroup()  
            .addContainerGap()
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addComponent(jScrollPane2)
```



```

        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 635,
Short.MAX_VALUE)
        .addContainerGap())
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup())
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(33, 33, 33)
        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)
        .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(229, 229, 229))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup())
        .addComponent(receipt)
        .addGap(32, 32, 32)
        .addComponent(jButton1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2)
        .addContainerGap()))
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup())
        .addGap(13, 13, 13)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(filter, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(select, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

```

```

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 146,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 336,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
        .addComponent(receipt)
        .addComponent(jButton1)
        .addComponent(jButton2))
        .addContainerGap()
);

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()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addContainerGap())

```

```

);

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

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

```

```

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

public Connection getConnection() {
    try {
        Connection con=null;
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        return con;
    } catch (Exception obj) {
        JOptionPane.showMessageDialog(null,"Not connected");
        return null;
    }
}

```

```

}
private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    EmployeePage obj1=new EmployeePage();
    obj1.setVisible(true);
}

private void MenuTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        int row=MenuTable.getSelectedRow();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String SelectedRowOption=(MenuTable.getModel().getValueAt(row,0).toString());
        String sql="SELECT * from Menu where Serial="+SelectedRowOption;
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()) {
            serial.setText(rs.getString("Serial"));
            name.setText(rs.getString("Name"));
            price.setText(rs.getString("Price"));
            quantity.setText(rs.getString("Quantity"));
        }
        con.close();
    }
    catch(ClassNotFoundException | SQLException obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}

private void filterKeyReleased(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    try {
        String selection=(String)select.getSelectedItem();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String sql="SELECT * from Menu where "+selection+"=?";
        pst=con.prepareStatement(sql);

```

```

        pst.setString(1, filter.getText());
        rs=pst.executeQuery();
        MenuTable.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(ClassNotFoundException | SQLException obj) {
        JOptionPane.showMessageDialog(null, obj);
    }
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        boolean complete=menuprint.print();
        if(complete) {
            JOptionPane.showMessageDialog(null,"Done
printing","Information",JOptionPane.INFORMATION_MESSAGE);
        }
        else {

JOptionPane.showMessageDialog(null,"Printing","Printer",JOptionPane.ERROR_MESSAGE);
        }
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null, obj);

        menuprint.setText("");
    }
}

private void receiptActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    menuprint.setText("");
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=getConnection();
        menuprint.append("Menu for Dulcedines\nName\t\t\tPrice\t\tQuantity\n");
        pst=con.prepareStatement("SELECT * from Menu");
        rs=pst.executeQuery();
        int i=1;
        while(rs.next()) {

```

```

        menuprint.append(i++ + ". " + rs.getString("Name") + "
\t\t" + rs.getString("Price") + "\t\t" + rs.getString("Quantity") + "\n");
    }
}
catch(ClassNotFoundException | SQLException obj) {
    JOptionPane.showMessageDialog(null, obj);
}
}

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

public void showTableData() {
    try {
        con=getConnection();
        pst=con.prepareStatement("SELECT * from Menu");
        rs=pst.executeQuery();
        MenuTable.setModel(DbUtils.resultSetToTableModel(rs));
        con.close();

    }
    catch(SQLException obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}
/**
 * @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(MenuForEmployee.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(MenuForEmployee.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(MenuForEmployee.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(MenuForEmployee.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 MenuForEmployee().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JTable MenuTable;
private javax.swing.JTextField filter;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton8;
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.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JTextArea menuPrint;
public javax.swing.JTextField name;
private javax.swing.JTextField price;
private javax.swing.JTextField quantity;
private javax.swing.JButton receipt;
private javax.swing.JComboBox<String> select;
public javax.swing.JTextField serial;
// End of variables declaration
}

```

Stock for employee class

```

/*
 * 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 project;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author tanaykhandelwal
 */
public class StockForEmployee extends javax.swing.JFrame {

```



```

/**
 * Creates new form StockForEmployee
 */
public StockForEmployee() {
    initComponents();
    showTableData();
}
Connection con;
PreparedStatement pst;
ResultSet rs;

/**
 * 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.
 */

public void showTableData() {
    try {

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String s="Delivered";
        String sql="SELECT * from Stock";
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();

        StockTable.setModel(DbUtils.resultSetToTableModel(rs));
        con.close();

    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

```

```
jPanel2 = new javax.swing.JPanel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
name = new javax.swing.JTextField();
quantity = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
StockTable = new javax.swing.JTable();
jLabel4 = new javax.swing.JLabel();
srno = new javax.swing.JTextField();
jButton2 = new javax.swing.JButton();
jLabel5 = new javax.swing.JLabel();
price = new javax.swing.JTextField();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.
createLineBorder(new java.awt.Color(0, 0, 0), 8), "Stock",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
24))); // NOI18N
```

```
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel2.setText("Name:");
```

```
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel3.setText("Quantity:");
```

```
StockTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Serial", "Name", "Quantity", "Price"
    }
));
StockTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```

        StockTableMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(StockTable);


jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel4.setText("Serial:");


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


jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 16)); // NOI18N
jLabel5.setText("Price:");


javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jLabel5)
                .add(jLabel4)
            )
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .add(jTextField1)
            .addContainerGap())
        .addGroup(jPanel2Layout.createSequentialGroup()
            .add(jButton2)
            .addContainerGap())
);
```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addComponent(jLabel5)
        .addComponent(jLabel3))))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(name, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 130, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE,
130, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
130, javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(42, 42, 42)
            .addComponent(jLabel4)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(jButton2))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 545,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(66, 66, 66)

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jLabel4)
    .addComponent(srno, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(33, 33, 33)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2))
    .addGap(36, 36, 36)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))
    .addGap(30, 30, 30)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(0, 0, Short.MAX_VALUE))
    .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 300,
Short.MAX_VALUE))
    .addContainerGap()
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addGap(0, 0, Short.MAX_VALUE)
    .addComponent(jButton2))
    );
```

```
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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

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

```

```

private void StockTableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    try {
        DefaultTableModel model=(DefaultTableModel) StockTable.getModel();
        int row=StockTable.getSelectedRow();
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:8889/COMP
IA","root","root");
        String SelectedRowOption=(StockTable.getModel().getValueAt(row,0).toString());
        String sql="SELECT * from Stock where Serial="+SelectedRowOption;
        pst=con.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()) {

            srno.setText(rs.getString("Serial"));
            name.setText(rs.getString("Name"));
            quantity.setText(rs.getString("Quantity"));
            price.setText(rs.getString("Price"));
        }
        con.close();
    }
    catch(Exception obj) {
        JOptionPane.showMessageDialog(null,obj);
    }
}

```

```

}

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

/**
 * @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(StockForEmployee.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(StockForEmployee.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(StockForEmployee.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
java.util.logging.Logger.getLogger(StockForEmployee.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 StockForEmployee().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JTable StockTable;
```

```
private javax.swing.JButton jButton2;
```

```
private javax.swing.JLabel jLabel2;
```

```
private javax.swing.JLabel jLabel3;
```

```
private javax.swing.JLabel jLabel4;
```

```
private javax.swing.JLabel jLabel5;
```

```
private javax.swing.JPanel jPanel2;
```

```
private javax.swing.JScrollPane jScrollPane1;
```

```
private javax.swing.JTextField name;
```

```
private javax.swing.JTextField price;
```

```
private javax.swing.JTextField quantity;
```

```
private javax.swing.JTextField srno;
```

```
// End of variables declaration
```

```
}
```