

# **PHARMACY MANAGEMENT**

**A MINI-PROJECT BY:**

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**RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI**

**An Autonomous Institute**

**CHENNAI**

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## **BONAFIDE CERTIFICATE**

Certified that this project “**PHARMACY MANAGEMENT**” is the bonafide work of “**AWINTHIKA SANTHANAM, ABOORVAN SHANMUGAPRIYA BABU**” who carried out the project work under my supervision.

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**INTERNAL EXAMINER EXTERNAL EXAMINER**

## **ABSTRACT**

The Pharmacy Management System is a comprehensive desktop application built to streamline and optimize pharmacy operations. Developed using Java with a Swing GUI, this system delivers a responsive and intuitive interface for pharmacy staff, allowing them to efficiently manage daily tasks such as customer management, inventory tracking, and sales recording. By automating these key functions, the system minimizes manual effort and enhances operational accuracy and organization.

The backend database is powered by MySQL, ensuring robust data management capabilities that support high data volumes with reliable performance. MySQL's structured and secure environment facilitates efficient handling of records, which is critical for maintaining an accurate and up-to-date inventory. The system's design prioritizes data integrity and quick retrieval, enabling pharmacy staff to manage and access essential information smoothly.

The user interface is designed with accessibility and ease of use in mind. Users can navigate seamlessly through various functions using a clear, sidebar menu structure, which simplifies access to functionalities like adding and updating customer profiles, managing medicine stocks, and recording sales. Swing's customizable components enable an organized layout, while additional UI elements such as icons and background images enhance usability and visual appeal, making the system approachable even for users with minimal technical background.

The integration of Java Swing with MySQL as the backend database ensures secure and efficient data storage, supporting a reliable workflow in pharmacies. With accurate inventory tracking, the system helps reduce medication errors and ensures that essential medicines are always available, ultimately improving overall pharmacy management and customer service.

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# INTRODUCTION

## 1.1 Introduction

The Pharmacy Management System is a desktop application developed to streamline inventory management in pharmacies, focusing specifically on managing medicine stock. This application simplifies the tracking of medicine details such as manufacturer, expiry date, manufacture date, and pricing. Built with Java using the Swing GUI framework, the system provides a user-friendly interface for pharmacy staff, enabling efficient and accurate inventory management.

## 1.1 Implementation

The Pharmacy Management System leverages Java Swing for the graphical user interface, offering a simple and intuitive layout for interacting with inventory data. The backend database is powered by MySQL, storing comprehensive details on medicine stock, including manufacturer information, expiration and manufacture dates, and pricing. To facilitate deployment and ease of environment setup, Docker is used to containerize the entire application, including the MySQL database, ensuring consistent performance across different environments.

## 1.2 Scope of the Project

The Pharmacy Management System is designed to consolidate and organize medicine-related data in one secure application, saving time for pharmacy staff and enhancing data accuracy. The focus on inventory management helps pharmacies maintain up-to-date stock records, minimize errors, and ensure the availability of essential medicines. This streamlined approach to inventory management promotes operational efficiency and accuracy in tracking medicine stock details.

## 1.3 Application Features

- Login and authentication for secure access.
- Dashboard providing quick access to main functions.
- Inventory management for tracking medicine details:
  - Manufacturer Information: Name and contact details.
  - Medicine Stock Details: Including expiry and manufacture dates, pricing, and quantities.
- Easy update and retrieval of medicine information.
- Search functionality to quickly locate specific medicines.

## 2. System Specifications

### 2.1 Hardware Specifications

- Model Name: MacBook Air
- Model Identifier: Mac14,2
- Chip: Apple M2
- Total Number of Cores: 8 (4 performance and 4 efficiency)
- Memory: 16 GB
- Storage: Minimum 251 GB with APFS container scheme

### 2.2 Software Specifications

- Programming Language: Java
- Database: MySQL
- Frontend: Java Swing (GUI framework)
- Backend: MySQL
- Containerization: Docker, including Docker Compose for multi-container setup.
- Operating System: macOS

### 2.3 Docker Setup

The Pharmacy Management System is containerized using Docker, allowing seamless deployment and management of dependencies. Docker Compose is used to configure the system, ensuring the Java application and MySQL database run in separate but interconnected containers. This setup provides:

- Portability: The application can be run consistently across different environments.

- Scalability: Components can be modified or scaled individually if needed.
- Isolation: Java and MySQL dependencies are managed within containers, reducing compatibility issues.

This Docker-based approach streamlines installation and deployment, ensuring that all components work together seamlessly in a controlled environment.

## SAMPLE CODE

### 1. CODE TO BUY DRUG

```
package main;

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

public class Buy_Drug extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre = null;
    ResultSet res= null;
    public Buy_Drug() {
        initComponents();
        con=Connect.connect();
        company();
    }

    /**
     * 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"> //GEN-BEGIN: initComponents
```

```

private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    amount = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    type = new javax.swing.JComboBox<>();
    jLabel5 = new javax.swing.JLabel();
    company_name = new javax.swing.JComboBox<>();
    jLabel6 = new javax.swing.JLabel();
    barcode = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    quantity = new javax.swing.JComboBox<>();
    name = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    cost_price = new javax.swing.JTextField();
    jSeparator1 = new javax.swing.JSeparator();
    jPanel4 = new javax.swing.JPanel();
    makedeal = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    update = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    update1 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    setTitle("Buy_Drug");
    setResizable(false);

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

    jPanel2.setBackground(new java.awt.Color(102, 102, 102));

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel1.setText("Buy_Drug Form");

    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(262, 262, 262)
                .addComponent(jLabel1)
                .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(20, 20, 20)
                .addComponent(jLabel1)
                .addGap(23, Short.MAX_VALUE))
    );

    jPanel3.setBackground(new java.awt.Color(51, 51, 51));
    jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Buy Drugs",

```



```

javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Tahoma", 1, 12), new java.awt.Color(255,
255, 255)); // NOI18N

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel3.setText("Drug_Name : ");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel2.setText("Drug_Barcode : ");

type.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Drug_Type : ", "Bills", "Injection",
"Drink", "Fizzing" }));

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel5.setText("Company_Name : ");

company_name.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Company_Name : " }));

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel6.setText("Quantity : ");

barcode.setToolTipText("Enter Barcode and Press Enter for Updating");
barcode.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        barcodeKeyPressed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel4.setText("Drug_Type : ");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel7.setText("Cost_Price : ");

quantity.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Quantity : ", "1", "2", "3", "4",
"5", "6", "7", "8", "9", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26",
"27", "28", "29", "30", "31", "32", "33", "34", "35", "36", "37", "38", "39", "40" }));

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel9.setText("Amount : ");

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jLabel2)
            .addComponent(jLabel3)
            .addComponent(jLabel4)
            .addComponent(jLabel5))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(50, 50, 50)
            .addComponent(name)
            .addComponent(barcode)
            .addComponent(type, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(company_name, javax.swing.GroupLayout.PREFERRED_SIZE, 156,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel6)
        .addComponent(jLabel7)
        .addComponent(jLabel9))
    .addGap(62, 62, 62)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(cost_price)
        .addComponent(quantity, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(amount, javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap(43, Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(barcode, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(21, 21, 21)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel3)
                    .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(26, 26, 26)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel9)
                        .addComponent(amount, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel4)
                        .addComponent(type, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addGap(23, 23, 23)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel5)
                    .addComponent(company_name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel6)
                        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(24, 24, 24)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel7)
                        .addComponent(cost_price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addContainerGap())
        );
jPanel4.setBackground(new java.awt.Color(51, 51, 51));

```

```

jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

makedeal.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
makedeal.setText("Make a Deal");
makedeal.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        makedealActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jButton2.setText("Cancel");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

update.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
update.setText("Update");
update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updateActionPerformed(evt);
    }
});

jButton3.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jButton3.setText("Clear");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

update1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
update1.setText("Delete");
update1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        update1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(makedeal, javax.swing.GroupLayout.PREFERRED_SIZE, 115,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(update, javax.swing.GroupLayout.PREFERRED_SIZE, 115,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(update1, javax.swing.GroupLayout.PREFERRED_SIZE, 111,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 94,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap())
);
jPanel4Layout.setVerticalGroup(
jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(makedeal)
.addComponent(jButton2)
.addComponent(update)
.addComponent(jButton3)
.addComponent(update1))
.addContainerGap())
);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addComponent(jSeparator1)
.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
.addContainerGap())
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(27, 27, 27)
.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

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

```

```

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

setSize(new java.awt.Dimension(730, 411));
setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_jButton2ActionPerformed
this.dispose();
} // GEN-LAST: event_jButton2ActionPerformed

private void makeDealActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_makeDealActionPerformed
if (barcode.getText().equals("") || cost_price.getText().equals("") || amount.getText().equals("") ||
name.getText().equals("") || quantity.getSelectedIndex() == 0 ||
company_name.getSelectedIndex() == 0 || type.getSelectedIndex() == 0) {
    JOptionPane.showMessageDialog(null, "Complete Your Information", "Error", 2);
} else {
    if (check()) {
        JOptionPane.showMessageDialog(null, "This Drugs has been inserted before", "Failed Operation", 2);
    } else {
        String sql = "insert into purchase (BARCODE, NAME, TYPE, COMPANY_NAME, QUANTITY, PRICE, AMOUNT)
values ('"+barcode.getText()+"', '"+name.getText()+"', '"+type.getSelectedItem()+"',
'"+company_name.getSelectedItem()+"', '"+quantity.getSelectedItem()+"', '"+cost_price.getText()+"',
'"+amount.getText()+"')";
        try {
            pre = con.prepareStatement(sql);
            pre.execute();
            int confirm = JOptionPane.showConfirmDialog(null, "Deal has been made\n\nAdd This Drug ?", "Success
Operation", 1);
            Drug d;
            if (confirm == 0) {
                this.dispose();
                d = new Drug();
                d.setVisible(true);
                d.barcode.setText(barcode.getText());
                d.name.setText(name.getText());
                d.type.setSelectedItem(type.getSelectedItem());
                d.company_name.setSelectedItem(company_name.getSelectedItem());
                d.quantity.setSelectedItem(quantity.getSelectedItem());
                d.cost_price.setText(cost_price.getText());
            }
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
        }
    }
} // GEN-LAST: event_makeDealActionPerformed

private void updateActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST: event_updateActionPerformed
if (barcode.getText().equals("") || cost_price.getText().equals("") || amount.getText().equals("") ||
name.getText().equals("") || quantity.getSelectedIndex() == 0 ||
company_name.getSelectedIndex() == 0 || type.getSelectedIndex() == 0) {
    JOptionPane.showMessageDialog(null, "Complete Your Information", "Error", 2);
}
}

```

```

} else {
    String sql = "update purchase set NAME='"+name.getText()+"', TYPE='"+type.getSelectedItem()+"',
COMPANY_NAME='"+company_name.getSelectedItem()+"', QUANTITY='"+quantity.getSelectedItem()+"',
PRICE='"+cost_price.getText()+"', AMOUNT='"+amount.getText()+"' ";
    try {
        pre=con.prepareStatement(sql);
        pre.execute();
        JOptionPane.showMessageDialog(null, "Deal has been updated Successfully", "Success Operation", 1);
        clear();} catch (Exception e) {
        JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
    }
}
} //GEN-LAST:event_updateActionPerformed

private void barcodeKeyPressed(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_barcodeKeyPressed
    if(evt.getKeyCode() == KeyEvent.VK_ENTER){
        String sql = "select * from purchase where BARCODE='"+barcode.getText()+"' ";
        try{
            pre=con.prepareStatement(sql);
            res=pre.executeQuery();
            if(res.next()){
                String Name = res.getString("NAME");
                name.setText(Name);

                String Type = res.getString("TYPE");
                type.setSelectedItem(Type);

                String C_name = res.getString("COMPANY_NAME");
                company_name.setSelectedItem(C_name);

                String Price = res.getString("PRICE");
                cost_price.setText(Price);

                String Quantity = res.getString("QUANTITY");
                quantity.setSelectedItem(Quantity);

                String Amount = res.getString("AMOUNT");
                amount.setText(Amount);
            } else {
                JOptionPane.showMessageDialog(null, "This Drug did not Exist before", "Error", 2);
            }
        } catch (Exception e){
            JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
        }
    }
} //GEN-LAST:event_barcodeKeyPressed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{ //GEN-FIRST:event_jButton3ActionPerformed
    clear();
} //GEN-LAST:event_jButton3ActionPerformed

private void update1ActionPerformed(java.awt.event.ActionEvent evt)
{ //GEN-FIRST:event_update1ActionPerformed
    if(barcode.getText().equals("")){
        JOptionPane.showMessageDialog(null, "Complete Your Information");
    } else {
        String sql = "delete from purchase where BARCODE='"+barcode.getText()+"' ";
    }
}

```

```
int delete = JOptionPane.showConfirmDialog(null,"Confirm your Request");
if(delete==0){
try{
    pre=con.prepareStatement(sql);
    pre.execute();
    JOptionPane.showMessageDialog(null,"Purchase has been deleted Successfully","Success Operation",1);
    clear();
}catch(Exception e){
    JOptionPane.showMessageDialog(null,e.getMessage());
}
}
}
}
//GEN-LAST:event_updateActionPerformed

/**
 * @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(Buy_Drug.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Buy_Drug.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Buy_Drug.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Buy_Drug.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 Buy_Drug().setVisible(true);
        }
    });
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JTextField amount;
private javax.swing.JTextField barcode;
public javax.swing.JComboBox<String> company_name;
private javax.swing.JTextField cost_price;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
```

```

private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JSeparator jSeparator1;
public javax.swing.JButton makeDeal;
private javax.swing.JTextField name;
public javax.swing.JComboBox<String> quantity;
public javax.swing.JComboBox<String> type;
public javax.swing.JButton update;
public javax.swing.JButton update1;
// End of variables declaration//GEN-END:variables
private boolean check(){
    boolean found = false;
    //check if the barcode of drug is already inserted before
    String sql = "select BARCODE from purchase where BARCODE='"+barcode.getText()+"' ";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        if(res.next()){
            found=true;
        }
    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
    }
}
return found;
}
private void company(){
    String sql = "select NAME from company";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        while(res.next()){
            company_name.addItem(res.getString("NAME"));
        }
    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
    }
}
private void clear(){
    barcode.setText("");
    cost_price.setText("");
    amount.setText("");
    name.setText("");
    quantity.setSelectedIndex(0);
    company_name.setSelectedIndex(0);
    type.setSelectedIndex(0);
}
}

```



## 2. CODE TO CHANGE PASSWORD

```
package main;

import java.awt.Color;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;

public class Change_Password extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre = null;
    ResultSet res= null;
    public Change_Password() {
        initComponents();
        con=Connect.connect();
        id.setText(Login.id.getText());
        confirmed.setVisible(false);
        we_st.setVisible(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"> //GEN-BEGIN: initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel5 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        confirm = new javax.swing.JPasswordField();
        new_pass = new javax.swing.JPasswordField();
        jLabel3 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        old_pass = new javax.swing.JPasswordField();
        id = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        confirmed = new javax.swing.JLabel();
        we_st = new javax.swing.JLabel();
        jPanel4 = new javax.swing.JPanel();
        jButton2 = new javax.swing.JButton();
        jButton1 = new javax.swing.JButton();
        jSeparator1 = new javax.swing.JSeparator();

        setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
        setTitle("Change_Password");
        setResizable(false);

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

```

jPanel2.setBackground(new java.awt.Color(102, 102, 102));

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel5.setText("Change_Password_Form");

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(88, 88, Short.MAX_VALUE)
            .addComponent(jLabel5)
            .addGap(84, 84, 84))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(25, 25, 25)
            .addComponent(jLabel5)
            .addGap(23, 23, Short.MAX_VALUE))
);

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Change Your Password",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Tahoma", 1, 12), new java.awt.Color(255,
    255, 255))); // NOI18N

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

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

jLabel3.setText("New_Password : ");

jLabel1.setText("User_Id : ");

jLabel4.setText("Confirm_New_Password : ");

id.setEditable(false);

jLabel2.setText("Old_Password : ");

confirmed.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
confirmed.setForeground(new java.awt.Color(102, 204, 0));
confirmed.setText("Confirmed");

we_st.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
we_st.setText("very weak ");

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(26, 26, 26)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(new_pass, javax.swing.GroupLayout.Alignment.LEADING,
                    javax.swing.GroupLayout.DEFAULT_SIZE, 141, Short.MAX_VALUE)
                .addComponent(id, javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(old_pass, javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(confirm))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(confirmed, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(we_st)
                    .addGap(0, 0, Short.MAX_VALUE))))
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(21, 21, 21)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(id, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(24, 24, 24)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(old_pass, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(25, 25, 25)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel3)
                .addComponent(new_pass, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(25, 25, 25)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(confirm, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap())
        );

jPanel4.setBackground(new java.awt.Color(51, 51, 51));
jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

jButton2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton2.setText("Cancel");

```

```

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

jButton1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton1.setText("Update_Password");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jButton1)
            .addGap(18, 18, 18)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(21, 21, 21))
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jButton1)
            .addGap(18, 18, 18)
            .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(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(21, 21, 21))
);
jPanel1Layout.setVerticalGroup(
    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)
            .addGap(18, 18, 18)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
);

```

```

        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 5,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 8, Short.MAX_VALUE))
    );

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

    setSize(new java.awt.Dimension(484, 395));
    setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_jButton2ActionPerformed
this.dispose();
} // GEN-LAST: event_jButton2ActionPerformed

private void confirmKeyReleased(java.awt.event.KeyEvent evt) { // GEN-FIRST: event_confirmKeyReleased
    if(confirm.getText().equals("")){
        confirmed.setVisible(false);
    }
    else if(confirm.getText().equals(new_pass.getText())){
        confirmed.setVisible(true);
        confirmed.setText("Confirmed");
        confirmed.setForeground(Color.GREEN);
    }
    else {
        confirmed.setVisible(true);
        confirmed.setText("Wrong Password");
        confirmed.setForeground(Color.RED);
    }
} // GEN-LAST: event_confirmKeyReleased

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_jButton1ActionPerformed
if(old_pass.getText().equals(""))||new_pass.getText().equals("")||confirm.getText().equals("")){
JOptionPane.showMessageDialog(null,"Complete Your Inforamtion","Missing Information",2);
}
else {
    if(check_pass()){

        String sql = "update users set PASSWORD = '"+new_pass.getText()+"' where ID='"+id.getText()+"' ";
        try {

```

```

        pre=con.prepareStatement(sql);
        pre.execute();
        JOptionPane.showMessageDialog(null,"Password has been updated Successfully","Success O peration",1);
    clear(); } catch (Exception e) {
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
    }else {
        JOptionPane.showMessageDialog(null,"Please Check Your Old_Password","Wrong Password",2);
    }
    }
} //GEN-LAST:event_jButton1 ActionPerformed

private void new_passKeyReleased(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_new_passKeyReleased
    if(new_pass.getText().length()==0){
        we_st.setVisible(false);
    }
    else if(new_pass.getText().length()<6){
        we_st.setVisible(true);
        we_st.setText("Very Weak");
        we_st.setForeground(Color.RED);
    }else {
        we_st.setVisible(true);
        we_st.setText("Very Good");
        we_st.setForeground(Color.GREEN);
    }
} //GEN-LAST:event_new_passKeyReleased

/**
 * @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(Change_Password.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Change_Password.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Change_Password.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Change_Password.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 Change_Password().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JPasswordField confirm;
    private javax.swing.JLabel confirmed;
    private javax.swing.JTextField id;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JPasswordField new_pass;
    private javax.swing.JPasswordField old_pass;
    private javax.swing.JLabel we_st;
    // End of variables declaration//GEN-END:variables
    private boolean check_pass(){
        boolean check = false;
        String sql = "select PASSWORD from users where ID='"+id.getText()+"' ";
        try {
            pre=con.prepareStatement(sql);
            res=pre.executeQuery();
            if(res.next()){
                if(res.getString("PASSWORD").equals(old_pass.getText())){
                    if(!(new_pass.getText().length() < 6)){
                        check=true;
                    }
                }
            }
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
        }return check;
    }
    private void clear(){
        old_pass.setText("");
        new_pass.setText("");
        confirm.setText("");
        confirmed.setVisible(false);
        we_st.setVisible(false);
    }
}

```

### 3. COMPANY CODE

```

package main;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

public class Company extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre= null;
    ResultSet res = null;
    public Company() {
        initComponents();
        con=Connect.connect();
        companylist();
    }

    /**
     * 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">//GEN-BEGIN: initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        address = new javax.swing.JTextArea();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        phone = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        jPanel4 = new javax.swing.JPanel();
        jButton4 = new javax.swing.JButton();
        save = new javax.swing.JButton();
        delete = new javax.swing.JButton();
        update = new javax.swing.JButton();
        jPanel5 = new javax.swing.JPanel();
        jScrollPane2 = new javax.swing.JScrollPane();
        company_list = new javax.swing.JTable();
        jPanel6 = new javax.swing.JPanel();
        jLabel5 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
        setTitle("Company");
        setResizable(false);

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

        jPanel2.setBackground(new java.awt.Color(102, 102, 102));

```



```

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Company_Form");

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(327, 327, 327)
            .addComponent(jLabel1)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(22, 22, 22)
            .addComponent(jLabel1)
            .addGap(20, 20, 20))
        );

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Company Information",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Tahoma", 1, 12))); // NOI18N

address.setColumns(20);
address.setRows(5);
jScrollPane1.setViewportView(address);

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel3.setText("Compnay_Address : ");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel4.setText("Compnay_Phone : ");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel2.setText("Compnay_Name : ");

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(86, 86, 86)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel2)
                .addComponent(jLabel3)
                .addComponent(jLabel4))
            .addGap(17, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
            .addComponent(phone, javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1)
            .addComponent(name))
        .addGap(17, Short.MAX_VALUE))
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(jPanel3Layout.createSequentialGroup())
        .addContainerGap()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(27, 27, 27)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
        .addGap(31, 31, 31)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel4)
            .addComponent(phone, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap()
    );

    jPanel4.setBackground(new java.awt.Color(51, 51, 51));
    jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

    jButton4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jButton4.setText("Clear");
    jButton4.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton4ActionPerformed(evt);
        }
    });

    save.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    save.setText("Save_Info");
    save.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            saveActionPerformed(evt);
        }
    });

    delete.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    delete.setText("Delete_Info");
    delete.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            deleteActionPerformed(evt);
        }
    });

    update.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    update.setText("Update_Info");
    update.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            updateActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(save)
        .addGap(9, 9, 9)
        .addComponent(update)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(delete)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 81,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(save)
            .addComponent(update)
            .addComponent(delete)
            .addComponent(jButton4))
        .addContainerGap())
    );

    jPanel5.setBackground(new java.awt.Color(51, 51, 51));
    jPanel5.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

    company_list.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    company_list.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null},
            {null, null, null},
            {null, null, null},
            {null, null, null}
        },
        new String [] {
            "    Name", "    Address", "    Phone"
        }
    ) {
        boolean[] canEdit = new boolean [] {
            false, false, false
        };

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
    });
    jScrollPane2.setViewportViewView(company_list);

    javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
    jPanel5.setLayout(jPanel5Layout);
    jPanel5Layout.setHorizontalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
            .addContainerGap())
    );

```

```

jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
            .addContainerGap())
        );

jPanel6.setBackground(new java.awt.Color(51, 51, 51));
jPanel6.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

jLabel5.setText("Note : You must save Your Companys Information that You Want to Deal With");

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addComponent(jLabel5)
            .addGap(0, 20, Short.MAX_VALUE))
        );
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel5)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
                .addGap(18, 18, 18))
            );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

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

    setSize(new java.awt.Dimension(868, 421));
    setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_jButton4ActionPerformed
clear();
} // GEN-LAST:event_jButton4ActionPerformed

private void saveActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_saveActionPerformed
if(name.getText().equals("")||address.getText().equals("")||phone.getText().equals("")){
    JOptionPane.showMessageDialog(null,"Complete Company Information","Missing Information",2);
}else {
    String sql = "insert into company (NAME,ADDRESS,PHONE) values ('"+name.getText()+"' , '"+address.getText()+"'
,'" +phone.getText()+"' )";
    try{
        int suring = JOptionPane.showConfirmDialog(null,"Are You Sure from this Information\n"
            + "Name : '"+name.getText()+"'\n" + "Address : '"+address.getText()+"'\n" + "Phone : '"+phone.getText()
            + "'\n\n Note : Company_Name Will not be updated");
        if(suring==0){
            pre=con.prepareStatement(sql);
            pre.execute();
            JOptionPane.showMessageDialog(null,"Company_Information has been Saved Successfully","Success Operation",1);
            companylist();
            clear();
        }
    } catch (Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
} // GEN-LAST:event_saveActionPerformed

```

```

    private void updateActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_updateActionPerformed
if(name.getText().equals("")||address.getText().equals("")||phone.getText().equals("")){
    JOptionPane.showMessageDialog(null,"Complete Company Information","Missing Information",2);
} else {
    String sql = "update company set ADDRESS='"+address.getText()+"' ,PHONE='"+phone.getText()+"' where
NAME='"+name.getText()+"' ";
    try{
        pre=con.prepareStatement(sql);
        pre.execute();
        JOptionPane.showMessageDialog(null,"Company_Information has been Saved Successfully","Success Operation",1);
        companylist();
        clear();} catch(Exception e){
            JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
        }
    }
} //GEN-LAST:event_updateActionPerformed

    private void deleteActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_deleteActionPerformed
if(name.getText().equals("")){
    JOptionPane.showMessageDialog(null,"Enter Company_Name You Want to Delete","Missing Information",2);
} else {
    String sql = "delete from company where NAME='"+name.getText()+"' ";
    int suring = JOptionPane.showConfirmDialog(null,"Are You Sure from Deleteing This Information");
    try{
        if(suring==0){
            pre=con.prepareStatement(sql);
            pre.execute();
            JOptionPane.showMessageDialog(null,"Company_Information has been Deleted Successfully","Success Operation",1);
            companylist();
            clear();
        }} catch(Exception e){
            JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
        }
    }
} //GEN-LAST:event_deleteActionPerformed

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

```

```

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Company.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 Company().setVisible(true);
    }
});
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JTextArea address;
private javax.swing.JTable company_list;
private javax.swing.JButton delete;
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.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JTextField name;
private javax.swing.JTextField phone;
private javax.swing.JButton save;
private javax.swing.JButton update;
// End of variables declaration//GEN-END:variables

private void clear(){
    name.setText("");
    address.setText("");
    phone.setText("");
}
private void companylist(){
    String sql = "select * from company";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        company_list.setModel(DbUtils.resultSetToTableModel(res));
    }catch(Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
}
}
}

```

## 4. DRUG CODE

```

package main;

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

public class Drug extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre = null;
    ResultSet res= null;
    public Drug() {
        initComponents();
        con=Connect.connect();
        company();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN: initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        dose = new javax.swing.JTextField();
        code = new javax.swing.JTextField();
        cost_price = new javax.swing.JTextField();
        selling_price = new javax.swing.JTextField();
        company_name = new javax.swing.JComboBox<>();
        pro_day = new javax.swing.JComboBox<>();
        pro_month = new javax.swing.JComboBox<>();
        pro_year = new javax.swing.JComboBox<>();
        exp_day = new javax.swing.JComboBox<>();
        exp_month = new javax.swing.JComboBox<>();
        exp_year = new javax.swing.JComboBox<>();
        section = new javax.swing.JComboBox<>();
        place = new javax.swing.JComboBox<>();
        type = new javax.swing.JComboBox<>();
        jLabel15 = new javax.swing.JLabel();
        quantity = new javax.swing.JComboBox<>();
        jLabel8 = new javax.swing.JLabel();
        barcode = new javax.swing.JTextField();
        jPanel4 = new javax.swing.JPanel();
        updatedrug = new javax.swing.JButton();
    }

```



```

druglist = new javax.swing.JButton();
jButton5 = new javax.swing.JButton();
deletedrug = new javax.swing.JButton();
adddrug = new javax.swing.JButton();
jButton6 = new javax.swing.JButton();
jSeparator1 = new javax.swing.JSeparator();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Drug Form");
setResizable(false);

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

jPanel2.setBackground(new java.awt.Color(102, 102, 102));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Drug Form");

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(336, 336, 336)
            .addComponent(jLabel1)
            .addGap(336, 336, 336))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(22, 22, 22)
            .addComponent(jLabel1)
            .addGap(29, 29, 29))
);

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Drug Information",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Tahoma", 1, 12))); // NOI18N

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("Drug_Type : ");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Drug_Name : ");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel11.setText("Expiration_Date : ");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel6.setText("Drug_Cost_Price : ");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel7.setText("Drug_Selling_Price : ");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("Drug_Dose : ");

```

```

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel10.setText("Production_Date : ");

jLabel14.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel14.setText("Drug_Place : ");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel9.setText("Company_Name : ");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Drug_Code : ");

company_name.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Company_Name : " }));

pro_day.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Day : ", "01", "02", "03", "04", "05", "06",
"07", "08", "09", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28",
"29", "30", "31" }));

pro_month.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Month : ", "01", "02", "03", "04", "05",
"06", "07", "08", "09", "10", "11", "12" }));

pro_year.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Year : ", "2016", "2017", "2018", "2019",
"2020", "2021", "2022", "2023", "2024", "2025", "2026", "2027", "2028", "2029", "2030", "2031", "2032", "2033", "2034",
"2035", "2036", "2037", "2038", "2039", "2040" }));

exp_day.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Day : ", "01", "02", "03", "04", "05", "06",
"07", "08", "09", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28",
"29", "30", "31" }));

exp_month.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Month : ", "01", "02", "03", "04", "05",
"06", "07", "08", "09", "10", "11", "12" }));

exp_year.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Year : ", "2016", "2017", "2018", "2019",
"2020", "2021", "2022", "2023", "2024", "2025", "2026", "2027", "2028", "2029", "2030", "2031", "2032", "2033", "2034",
"2035", "2036", "2037", "2038", "2039", "2040" }));

section.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Section : ", "A", "B", "C", "D", "E", "F",
"G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z" }));

place.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Place : ", "Up", "Down", "Right", "Left" }));

type.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Drug_Type : ", "Bills", "Injection", "Drink",
"Fizzing" }));

jLabel15.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel15.setText("Drug_Quantity : ");

quantity.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Quantity : ", "1", "2", "3", "4", "5", "6",
"7", "8", "9", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29",
"30", "31", "32", "33", "34", "35", "36", "37", "38", "39", "40" }));

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel8.setText("Drug_Barcode : ");

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)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup())
.addGap(0, 0, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel6)
.addComponent(jLabel7)
.addComponent(jLabel5))
.addGap(204, 204, 204))
.addGroup(jPanel3Layout.createSequentialGroup())
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(code, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(cost_price, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(selling_price, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel3Layout.createSequentialGroup())
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup())
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel2)
.addComponent(jLabel3)
.addComponent(jLabel8))
.addGap(42, 42, 42))
.addGroup(jPanel3Layout.createSequentialGroup())
.addComponent(jLabel4)
.addGap(63, 63, 63)))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(dose, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
.addComponent(type, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addComponent(name, javax.swing.GroupLayout.DEFAULT_SIZE, 144, Short.MAX_VALUE)
.addComponent(barcode))))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel14)
.addComponent(jLabel10)
.addComponent(jLabel11)
.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel15))
.addGap(31, 31, 31)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel3Layout.createSequentialGroup())
.addComponent(pro_day, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(pro_month, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(pro_year, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(exp_day, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(exp_month, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(exp_year, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(company_name, javax.swing.GroupLayout.PREFERRED_SIZE, 188,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(section, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(place, javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(125, Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup())
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel9)
.addComponent(company_name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(39, 39, 39)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel10)
.addComponent(pro_day, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(pro_month, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(pro_year, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(jPanel3Layout.createSequentialGroup())
.addComponent(jLabel8)
.addGap(23, 23, 23)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel14)
.addComponent(dose, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(exp_day, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(exp_month, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(exp_year, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jLabel11))))
.addGroup(jPanel3Layout.createSequentialGroup())
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel2)
        .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(20, 20, 20)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(type, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(barcode, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(code, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(17, 17, 17))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel14)
        .addComponent(section, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(place, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(6, 6, 6)))
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(cost_price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(35, 35, 35)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel15)
        .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(selling_price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(34, Short.MAX_VALUE))
    );

jPanel4.setBackground(new java.awt.Color(51, 51, 51));
jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

updatedrug.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
updatedrug.setText("Update_Drug");
updatedrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updatedrugActionPerformed(evt);
    }
});

druglist.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
druglist.setText("Drugs_List");

```

```

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

jButton5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton5.setText("Cancel");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

deletedrug.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
deletedrug.setText("Delete_Drug");
deletedrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        deletedrugActionPerformed(evt);
    }
});

adddrug.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
adddrug.setText("Add_Drug");
adddrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adddrugActionPerformed(evt);
    }
});

jButton6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton6.setText("Clear");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addComponent(adddrug, javax.swing.GroupLayout.PREFERRED_SIZE, 97,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(updatedrug)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(deletedrug)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(druglist)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    JPanel4Layout.setVerticalGroup(
        JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(JPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(adddrug)
                .addComponent(updatedrug)
                .addComponent(deletedrug)
                .addComponent(druglist)
                .addComponent(jButton5)
                .addComponent(jButton6))
            .addContainerGap())
    );

    javax.swing.GroupLayout JPanel1Layout = new javax.swing.GroupLayout(JPanel1);
    JPanel1.setLayout(JPanel1Layout);
    JPanel1Layout.setHorizontalGroup(
        JPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(JPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(JPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(JPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(JPanel3, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(JPanel4, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jSeparator1))
            .addContainerGap())
    );
    JPanel1Layout.setVerticalGroup(
        JPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(JPanel1Layout.createSequentialGroup()
            .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)
            .addGap(5, 5, 5)
            .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 10,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(JPanel4, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(JPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    setSize(new java.awt.Dimension(825, 539));
    setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_jButton5ActionPerformed
this.dispose();
} // GEN-LAST:event_jButton5ActionPerformed

private void adddrugActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_adddrugActionPerformed
if(quantity.getSelectedIndex()==0||barcode.getText().equals("")||name.getText().equals("")||type.getSelectedIndex()==0||dose.getT
ext().equals("")||
code.getText().equals("")||cost_price.getText().equals("")||selling_price.getText().equals("")
||company_name.getSelectedIndex()==0||pro_day.getSelectedIndex()==0||
pro_month.getSelectedIndex()==0||pro_year.getSelectedIndex()==0||
exp_day.getSelectedIndex()==0||exp_month.getSelectedIndex()==0||
exp_year.getSelectedIndex()==0||section.getSelectedIndex()==0||
place.getSelectedIndex()==0){
JOptionPane.showMessageDialog(null,"Complete Drug Information","Missing Information",2);
} else if(Integer.parseInt(pro_year.getSelectedItem().toString())>
Integer.parseInt(exp_year.getSelectedItem().toString())){
JOptionPane.showMessageDialog(null,"Check Production and Expiration Date","Wrong Information",2);
}
else if(Integer.parseInt(pro_year.getSelectedItem().toString())==
Integer.parseInt(exp_year.getSelectedItem().toString())){
if(Integer.parseInt(pro_month.getSelectedItem().toString())>=
Integer.parseInt(exp_month.getSelectedItem().toString())){
JOptionPane.showMessageDialog(null,"Check Production and Expiration Date","Wrong Information",2);
}
} else
{
if(!checkdrug_name()){
String sql = "insert into drugs
(NAME,TYPE,BARCODE,DOSE,CODE,COST_PRICE,SELLING_PRICE,EXPIRY,COMPANY_NAME,PRODUCTION_DA
TE,EXPIRATION_DATE,PLACE,QUANTITY) values (" +name.getText()+" , " +type.getSelectedItem()+"
," +barcode.getText()+" , " +dose.getText()+" , " +code.getText()+" , " +cost_price.getText()+" , " +selling_price.getText()+"
,'Available for use' , " +company_name.getSelectedItem()+"
," +pro_year.getSelectedItem()+"-"+pro_month.getSelectedItem()+"-"+pro_day.getSelectedItem()+"
," +exp_year.getSelectedItem()+"-"+exp_month.getSelectedItem()+"-"+exp_day.getSelectedItem()+"
," +section.getSelectedItem()+"-"+place.getSelectedItem()+" , " +quantity.getSelectedItem()+" " );
int suring = JOptionPane.showConfirmDialog(null,"Are You Sure From this Information\n\nName :
"+name.getText()+"\nProduction_Date :
"+pro_day.getSelectedItem()+"-"+pro_month.getSelectedItem()+"-"+pro_year.getSelectedItem()+"\nExpiration_Date :
"+exp_day.getSelectedItem()+"-"+exp_month.getSelectedItem()+"-"+exp_year.getSelectedItem());
if(suring==0){
try{
pre=con.prepareStatement(sql);
pre.execute();
JOptionPane.showMessageDialog(null,"Drug has been Added Successfully","Success Operation",1);
}catch(Exception e){
JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}clear();}
} else {
JOptionPane.showMessageDialog(null,"This Drug is already inserted","Failed Operation",2);
}
}
}

```



```

}
//GEN-LAST:event_adddrugActionPerformed

private void deletedrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_deletedrugActionPerformed
if(barcode.getText().equals("")){
JOptionPane.showMessageDialog(null,"Enter Drug_Name You want to delete","Missing Information",2);
} else {
if(checkdrug_name()){
String sql = "delete from drugs where BARCODE='"+barcode.getText()+" ";
int suring = JOptionPane.showConfirmDialog(null,"Are You Sure From this Request");
if(suring==0){
try{
pre=con.prepareStatement(sql);
pre.execute();
JOptionPane.showMessageDialog(null,"Drug has been deleted Successfully","Success Operation",1);
} catch(Exception e){
JOptionPane.showMessageDialog(null, e.getMessage(),"Error",2);
} clear();}
} else {
JOptionPane.showMessageDialog(null,"This Drug is not inserted","Failed Operation",2);
}
}
} //GEN-LAST:event_deletedrugActionPerformed

private void updatedrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_updatedrugActionPerformed
if(quantity.getSelectedIndex()==0||barcode.getText().equals("")||name.getText().equals("")||type.getSelectedIndex()==0||dose.getText().equals("")||
code.getText().equals("")||cost_price.getText().equals("")||selling_price.getText().equals("")
||company_name.getSelectedIndex()==0||pro_day.getSelectedIndex()==0||
pro_month.getSelectedIndex()==0||pro_year.getSelectedIndex()==0||
exp_day.getSelectedIndex()==0||exp_month.getSelectedIndex()==0||
exp_year.getSelectedIndex()==0||section.getSelectedIndex()==0||
place.getSelectedIndex()==0){
JOptionPane.showMessageDialog(null,"Complete Drug Information","Missing Information",2);
} else {
String sql = "update drugs set NAME='"+name.getText()+" , TYPE='"+type.getSelectedItem()+" ,DOSE='"+dose.getText()+"
, CODE='"+code.getText()+" , COST_PRICE='"+cost_price.getText()+"
, quantity='"+quantity.getSelectedItem()+" , SELLING_PRICE='"+selling_price.getText()+" ,
COMPANY_NAME='"+company_name.getSelectedItem()+" , PLACE='"+section.getSelectedItem()+"-"+place.getSelectedItem()
+"' where BARCODE='"+barcode.getText()+" ";
try{
pre=con.prepareStatement(sql);
pre.execute();
JOptionPane.showMessageDialog(null,"Drug has been Updated Successfully","Success Operation",1);
} catch(Exception e){
JOptionPane.showMessageDialog(null, e.getMessage(),"Error",2);
} clear();
}
} //GEN-LAST:event_updatedrugActionPerformed

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton6ActionPerformed
clear();
} //GEN-LAST:event_jButton6ActionPerformed

private void druglistActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_druglistActionPerformed
new Drug_List().setVisible(true);
} //GEN-LAST:event_druglistActionPerformed

```

```

/**
 * @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(Drug.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Drug.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Drug.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Drug.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 Drug().setVisible(true);
        }
    });
}

// Variables declaration - do not modify//GEN-BEGIN:variables
public javax.swing.JButton adddrug;
public javax.swing.JTextField barcode;
public javax.swing.JTextField code;
public javax.swing.JComboBox<String> company_name;
public javax.swing.JTextField cost_price;
public javax.swing.JButton deletedrug;
public javax.swing.JTextField dose;
private javax.swing.JButton druglist;
public javax.swing.JComboBox<String> exp_day;
public javax.swing.JComboBox<String> exp_month;
public javax.swing.JComboBox<String> exp_year;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
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.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JSeparator jSeparator1;
public javax.swing.JTextField name;
public javax.swing.JComboBox<String> place;
public javax.swing.JComboBox<String> pro_day;
public javax.swing.JComboBox<String> pro_month;
public javax.swing.JComboBox<String> pro_year;
public javax.swing.JComboBox<String> quantity;
public javax.swing.JComboBox<String> section;
public javax.swing.JTextField selling_price;
public javax.swing.JComboBox<String> type;
public javax.swing.JButton updatedrug;
// End of variables declaration//GEN-END:variables

```

```

private boolean checkdrug_name(){
    boolean found = false;
    String sql = "select BARCODE from drugs where BARCODE='"+barcode.getText()+"' ";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        if(res.next()){
            found=true;
        }
    }catch(Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }return found;
}

private void company(){
    String sql = "select NAME from company";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        while(res.next()){
            company_name.addItem(res.getString("NAME"));
        }
    }catch(Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}

private void clear(){
    name.setText("");
    dose.setText("");
    code.setText("");
    cost_price.setText("");
    selling_price.setText("");
    type.setSelectedIndex(0);
    section.setSelectedIndex(0);
    place.setSelectedIndex(0);
    pro_day.setSelectedIndex(0);
    pro_month.setSelectedIndex(0);
    pro_year.setSelectedIndex(0);
}

```

```

exp_day.setSelectedIndex(0);
exp_month.setSelectedIndex(0);
exp_year.setSelectedIndex(0);
quantity.setSelectedIndex(0);
barcode.setText("");
company_name.setSelectedIndex(0);
    }
}

```

## 4. DRUG LIST CODE

```

package main;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author Hema
 */
public class Drug_List extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre = null;
    ResultSet res = null;
    String sql1;
    String sql2;
    String sql3;
    public Drug_List() {
        initComponents();
        con=Connect.connect();
        drug_list();
    }

    /**
     * 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"> //GEN-BEGIN: initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        druglist = new javax.swing.JTable();
        jPanel4 = new javax.swing.JPanel();
        sort_by = new javax.swing.JComboBox();
        jLabel2 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

```

```

setTitle("Drug_List Form");
setResizable(false);

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

jPanel2.setBackground(new java.awt.Color(102, 102, 102));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Drug_List");

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(274, Short.MAX_VALUE)
            .addComponent(jLabel1)
            .addGap(273, 273, 273))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(20, 20, 20)
            .addComponent(jLabel1)
            .addGap(25, Short.MAX_VALUE))
);

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

druglist.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
druglist.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 [] {
        "Name", "Type", "Barcode", "Price", "Expiry", "Company"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false, false, false
    };

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

```

```

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(10, 10, 10)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 621, Short.MAX_VALUE)
            .addGap(10, 10, 10))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 325,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
);

jPanel4.setBackground(new java.awt.Color(51, 51, 51));
jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

sort_by.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Sort By : ", "Name", "Type", "Expiration"
}));
sort_by.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        sort_byItemStateChanged(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel2.setText("Sort By : ");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(sort_by, javax.swing.GroupLayout.PREFERRED_SIZE, 154,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(sort_by, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(10, 10, 10))
);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

```

```

        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel4, 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))
                .addContainerGap())
            );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel4, 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(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                );

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

        setSize(new java.awt.Dimension(679, 539));
        setLocationRelativeTo(null);
    } // </editor-fold> // GEN-END: initComponents

```

```

    private void druglistMouseClicked(java.awt.event.MouseEvent evt) { //GEN-FIRST:event_druglistMouseClicked
        int row = druglist.getSelectedRow();
        String t = druglist.getModel().getValueAt(row,2).toString();
        String sql = "select * from drugs where BARCODE='"+t+"' ";
        try{
            pre=con.prepareStatement(sql);
            res=pre.executeQuery();
            if(res.next()){
                String Name = res.getString("NAME");
                Pharmacy.drug.name.setText(Name);

                String Type = res.getString("TYPE");
                Pharmacy.drug.type.setSelectedItem(Type);

                String Barcode = res.getString("BARCODE");

```

```

Pharmacy.drug.barcode.setText(Barcode);

String Code = res.getString("CODE");
Pharmacy.drug.code.setText(Code);

String Dose = res.getString("DOSE");
Pharmacy.drug.dose.setText(Dose);

String cost_price = res.getString("COST_PRICE");
Pharmacy.drug.cost_price.setText(cost_price);

String sell_price = res.getString("SELLING_PRICE");
Pharmacy.drug.selling_price.setText(sell_price);

String company_Name = res.getString("COMPANY_NAME");
Pharmacy.drug.company_name.setSelectedItem(company_Name);

String Quantity = res.getString("QUANTITY");
Pharmacy.drug.quantity.setSelectedItem(Quantity);

String Day = res.getString("PRODUCTION_DATE").split("-")[0];
Pharmacy.drug.pro_day.setSelectedItem(Day);
String Month = res.getString("PRODUCTION_DATE").split("-")[1];
Pharmacy.drug.pro_month.setSelectedItem(Month);
String Year = res.getString("PRODUCTION_DATE").split("-")[2];
Pharmacy.drug.pro_year.setSelectedItem(Year);

String ex_Day = res.getString("EXPIRATION_DATE").split("-")[0];
Pharmacy.drug.exp_day.setSelectedItem(ex_Day);
String ex_Month = res.getString("EXPIRATION_DATE").split("-")[1];
Pharmacy.drug.exp_month.setSelectedItem(ex_Month);
String ex_Year = res.getString("EXPIRATION_DATE").split("-")[2];
Pharmacy.drug.exp_year.setSelectedItem(ex_Year);

String sec = res.getString("PLACE").split("-")[0];
Pharmacy.drug.section.setSelectedItem(sec);
String pla = res.getString("PLACE").split("-")[1];
Pharmacy.drug.place.setSelectedItem(pla);
}
} catch (Exception e) {
    JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
}

} //GEN-LAST:event_druglistMouseClicked

private void sort_byItemStateChanged(java.awt.event.ItemEvent evt) { //GEN-FIRST:event_sort_byItemStateChanged
switch (sort_by.getSelectedIndex()) { // one case will execute in these cases
    case 1 : {
        sql1 = "select NAME , TYPE ,BARCODE,SELLING_PRICE , EXPIRY , COMPANY_NAME from drugs order by NAME";
        sort(1); break; //1- order by name from A - Z
    }
    case 2 : {
        sql2 = "select NAME , TYPE ,BARCODE,SELLING_PRICE , EXPIRY , COMPANY_NAME from drugs order by TYPE";
        sort(2);break; // 2- order by type from A - Z
    }
    case 3 : {
        sql3 = "select NAME , TYPE ,BARCODE,SELLING_PRICE , EXPIRY , COMPANY_NAME from drugs order by EXPIRY
DESC";
    }
}
}

```



```

sort(3); break; //3- order by expiry , so the most expiry will be first (drug expired)
}
}
//GEN-LAST:event_sort_byItemStateChanged

/**
 * @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(Drug_List.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Drug_List.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Drug_List.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Drug_List.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 Drug_List().setVisible(true);
        }
    });
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JTable druglist;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JComboBox<String> sort_by;
// End of variables declaration//GEN-END:variables

private void drug_list() { // this method will be executed when you click on drug_list
    String sql = "select NAME , TYPE ,BARCODE,SELLING_PRICE , EXPIRY , COMPANY_NAME from drugs"; // get data
    from database
    try {
        pre=con.prepareStatement(sql); // prepare sql statement
        res=pre.executeQuery(); // execute sql statement
        druglist.setModel(DbUtils.resultSetToTableModel(res)); // set data in the table
    }
}

```

```

    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
    }
}
private void sort(int index) { // one case will execute in these cases 1 or 2 or 3 depend on the index number;
    try {
        switch (index) {
            case 1 : {
                pre=con.prepareStatement(sql1);
                res=pre.executeQuery();
                druglist.setModel(DbUtils.resultSetToTableModel(res));
            } break;
            case 2 : {
                pre=con.prepareStatement(sql2);
                res=pre.executeQuery();
                druglist.setModel(DbUtils.resultSetToTableModel(res));
            } break;
            case 3 : {
                pre=con.prepareStatement(sql3);
                res=pre.executeQuery();
                druglist.setModel(DbUtils.resultSetToTableModel(res)); // set data in the table
            }
        }
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
    }
}
}

```

## 5. CODE TO EDIT PRICE

```

/*
 * 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 main;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author Hema
 */
public class Edit_Price extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre = null;
    ResultSet res = null;

    public Edit_Price() {
        initComponents();
        con=Connect.connect();
    }
}

```

```

/**
 * 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"> //GEN-BEGIN: initComponents
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jLabel6 = new javax.swing.JLabel();
    barcode = new javax.swing.JTextField();
    jPanel4 = new javax.swing.JPanel();
    old_price = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    new_price = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jSeparator1 = new javax.swing.JSeparator();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    setTitle("Edit_Price");
    setResizable(false);

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

    jPanel2.setBackground(new java.awt.Color(102, 102, 102));

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel1.setText("Edit_Prices Form");

    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(146, 146, 146)
                .addComponent(jLabel1)
                .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(30, 30, 30)
                .addComponent(jLabel1)
                .addGap(28, 28, 28))
    );

    jPanel3.setBackground(new java.awt.Color(51, 51, 51));
    jPanel3.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

```

```

jTable1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null},
        {null, null, null},
        {null, null, null},
        {null, null, null}
    },
    new String [] {
        "    Name", "    Barcode", "    Price"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
jTable1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jTable1MouseClicked(evt);
    }
});
jScrollPane1.setViewportView(jTable1);

jLabel6.setText("Barcode : ");

barcode.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        barcodeKeyReleased(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()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(jLabel6)
                    .addGap(18, 18, 18)
                    .addComponent(barcode, javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(20, 20, 20))
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel6)
                .addComponent(barcode, 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, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

jPanel4.setBackground(new java.awt.Color(51, 51, 51));
jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

old_price.setEditable(false);

jLabel2.setText("Old_Price : ");

jLabel3.setText("New_Price : ");

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

jLabel4.setText("$");

jLabel5.setText("$");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .add(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jLabel2)
                .add(old_price, javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .add(jLabel5)
                .add(new_price, javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .add(jLabel4)
                .add(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE)
            )
            .addContainerGap(175, true)
        )
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .add(jPanel4Layout.createSequentialGroup()
            .add(jLabel2)
            .add(old_price)
            .add(jLabel5)
            .add(new_price)
            .add(jLabel4)
            .add(jButton1)
            .addContainerGap(196, true)
        )
);

```

```

        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(jLabel3)
            .addComponent(old_price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(new_price, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4)
            .addComponent(jLabel5))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
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)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createSequentialGroup())
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jSeparator1)
                .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                    .addGap(0, 0, Short.MAX_VALUE)
                    .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(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)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 7,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(189, Short.MAX_VALUE))
    );

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

```

```

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

setSize(new java.awt.Dimension(510, 365));
setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void barcodeKeyReleased(java.awt.event.KeyEvent evt) { // GEN-FIRST:event_barcodeKeyReleased
String sql = "select NAME,BARCODE,SELLING_PRICE from drugs where BARCODE REGEXP '"+barcode.getText()+" ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    if(res!=null){
        jTable1.setModel(DbUtils.resultSetToTableModel(res));
    }else{
        JOptionPane.showMessageDialog(null,"There is no drugs such this barcode","Not Found",2);
    }
} catch (Exception e) {
    JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
} // GEN-LAST:event_barcodeKeyReleased

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) { // GEN-FIRST:event_jTable1MouseClicked
int row = jTable1.getSelectedRow();
String t = jTable1.getModel().getValueAt(row,1).toString();
String sql = "select BARCODE,SELLING_PRICE from drugs where BARCODE='"+t+"' ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    if(res.next()){
        String Price = res.getString("SELLING_PRICE");
        old_price.setText(Price);

        String Barcode = res.getString("BARCODE");
        barcode.setText(Barcode);
    }
} catch (Exception e) {
    JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
} // GEN-LAST:event_jTable1MouseClicked

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_jButton1ActionPerformed
if(barcode.getText().equals("")&&old_price.getText().equals("")){
    JOptionPane.showMessageDialog(null,"Complete Your Information","Missing Information",2);
} else {
String sql = "update drugs set SELLING_PRICE='"+new_price.getText()+"' where BARCODE='"+barcode.getText()+" ";
try{
    pre=con.prepareStatement(sql);
    pre.execute();
    JOptionPane.showMessageDialog(null,"Price has been Updated Successfully","Success Operation",1);
    refresh();clear();
} catch (Exception e) {
    JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
}
}

```

```

} //GEN-LAST:event_jButton1ActionPerformed

/**
 * @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(Edit_Price.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Edit_Price.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Edit_Price.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Edit_Price.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 Edit_Price().setVisible(true);
        }
    });
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JTextField barcode;
private javax.swing.JButton jButton1;
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.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField new_price;
private javax.swing.JTextField old_price;
// End of variables declaration//GEN-END:variables

private void clear(){
    old_price.setText("");
}

```



```

new_price.setText("");
barcode.setText("");
}

private void refresh() {
String sql = "select NAME, BARCODE, SELLING_PRICE from drugs WHERE BARCODE='"+barcode.getText()+" ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    jTable1.setModel(DbUtils.resultSetToTableModel(res));
} catch (Exception e){
    JOptionPane.showMessageDialog(null, e.getMessage());
}
}
}
}

```

## 6. LOGIN DETAILS

package main;

```

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

```

```

public class Login_Details extends javax.swing.JFrame {
Connection con = null;
PreparedStatement pre = null;
ResultSet res= null;
public Login_Details() {
    initComponents();
    con=Connect.connect();
    fill_username();
}

/**
 * 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"> //GEN-BEGIN: initComponents
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jPanel4 = new javax.swing.JPanel();
    year = new javax.swing.JComboBox();
    jLabel2 = new javax.swing.JLabel();
}
}

```

```

month = new javax.swing.JComboBox<>();
day = new javax.swing.JComboBox<>();
jLabel3 = new javax.swing.JLabel();
username = new javax.swing.JComboBox<>();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Login_Details");
setResizable(false);

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

jPanel2.setBackground(new java.awt.Color(102, 102, 102));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Login_Details Form");

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(184, 184, 184)
            .addComponent(jLabel1)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(26, 26, 26)
            .addComponent(jLabel1)
            .addGap(20, Short.MAX_VALUE))
        );

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

jTable1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jTable1.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 [] {
        "Name", "Type", "Date", "Time"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
jScrollPane1.setViewportView(jTable1);
if (jTable1.getColumnModel().getColumnCount() > 0) {

```

```

jTable1.getColumnModel().getColumn(0).setResizable(false);
jTable1.getColumnModel().getColumn(1).setResizable(false);
jTable1.getColumnModel().getColumn(3).setResizable(false);
}

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(10, 10, 10)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 281, Short.MAX_VALUE)
            .addGap(10, 10, 10))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 281, Short.MAX_VALUE)
            .addGap(10, 10, 10))
);

jPanel4.setBackground(new java.awt.Color(51, 51, 51));
jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

year.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Year : ", "2016", "2017", "2018", "2019",
"2020", "2021", "2022", "2023", "2024", "2025", "2026", "2027", "2028", "2029", "2030", "2031", "2032", "2033", "2034",
"2035", "2036", "2037", "2038", "2039", "2040" }));
year.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        yearItemStateChanged(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel2.setText("User_Name : ");

month.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Month : ", "01", "02", "03", "04", "05", "06",
"07", "08", "09", "10", "11", "12" }));
month.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        monthItemStateChanged(evt);
    }
});

day.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Day : ", "01", "02", "03", "04", "05", "06", "07",
"08", "09", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29",
"30", "31" }));
day.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        dayItemStateChanged(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel3.setText("Login_Date : ");

username.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "User_Name : " }));

```

```

username.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        usernameItemStateChanged(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(username, javax.swing.GroupLayout.PREFERRED_SIZE, 155,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jLabel3)
            .addGap(18, 18, 18)
            .addComponent(day, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(month, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(year, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
        )
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(jLabel3)
                .addComponent(day, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(month, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(year, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(username, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
        )
);

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

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE)))
        .addContainerGap())
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jPanel4, 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.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.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    setSize(new java.awt.Dimension(620, 503));
    setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

```

```

private void usernameItemStateChanged(java.awt.event.ItemEvent evt) { // GEN-FIRST:event_usernameItemStateChanged
String sql;
if(day.getSelectedIndex()==0&&month.getSelectedIndex()==0&&year.getSelectedIndex()==0){
sql = "select NAME,TYPE,DATE,TIME from login where NAME='"+username.getSelectedItem()+" ";
} else {
sql = "select NAME,TYPE,DATE,TIME from login where NAME='"+username.getSelectedItem()+" and
DATE='"+day.getSelectedItem()+"-"+month.getSelectedItem()+"-"+year.getSelectedItem()+" ";
} try {
pre=con.prepareStatement(sql);
res=pre.executeQuery();
jTable1.setModel(DbUtils.resultSetToTableModel(res));
} catch (Exception e) {
JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
} // GEN-LAST:event_usernameItemStateChanged

```

```

private void dayItemStateChanged(java.awt.event.ItemEvent evt) { // GEN-FIRST:event_dayItemStateChanged
String sql ;
if(month.getSelectedIndex()!=0&&year.getSelectedIndex()!=0&&username.getSelectedIndex()==0){
sql = "select NAME,TYPE,DATE,TIME from login where
DATE='"+day.getSelectedItem()+"-"+month.getSelectedItem()+"-"+year.getSelectedItem()+" ";

```

```

} else {
    sql = "select NAME,TYPE,DATE,TIME from login where NAME='"+username.getSelectedItemAt()+"' and
DATE='"+day.getSelectedItemAt()+"-"+month.getSelectedItemAt()+"-"+year.getSelectedItemAt()+"' ";
}

    try {
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        jTable1.setModel(DbUtils.resultSetToTableModel(res));
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
} //GEN-LAST:event_dayItemStateChanged

private void monthItemStateChanged(java.awt.event.ItemEvent evt) { //GEN-FIRST:event_monthItemStateChanged
String sql;

if(day.getSelectedIndex()!=0&&month.getSelectedIndex()!=0&&year.getSelectedIndex()!=0&&username.getSelectedIndex()==0
){
    sql = "select NAME,TYPE,DATE,TIME from login where
DATE='"+day.getSelectedItemAt()+"-"+month.getSelectedItemAt()+"-"+year.getSelectedItemAt()+"' ";
} else {
    sql = "select NAME,TYPE,DATE,TIME from login where NAME='"+username.getSelectedItemAt()+"' and
DATE='"+day.getSelectedItemAt()+"-"+month.getSelectedItemAt()+"-"+year.getSelectedItemAt()+"' ";
}
    try {
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        jTable1.setModel(DbUtils.resultSetToTableModel(res));
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }

} //GEN-LAST:event_monthItemStateChanged

private void yearItemStateChanged(java.awt.event.ItemEvent evt) { //GEN-FIRST:event_yearItemStateChanged
String sql;
if(month.getSelectedIndex()!=0&&day.getSelectedIndex()!=0&&username.getSelectedIndex()==0){
    sql = "select NAME,TYPE,DATE,TIME from login where
DATE='"+day.getSelectedItemAt()+"-"+month.getSelectedItemAt()+"-"+year.getSelectedItemAt()+"' ";
} else {
    sql = "select NAME,TYPE,DATE,TIME from login where NAME='"+username.getSelectedItemAt()+"' and
DATE='"+day.getSelectedItemAt()+"-"+month.getSelectedItemAt()+"-"+year.getSelectedItemAt()+"' ";
}
    try {
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        jTable1.setModel(DbUtils.resultSetToTableModel(res));
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }

} //GEN-LAST:event_yearItemStateChanged

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

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

// Variables declaration - do not modify//GEN-BEGIN:variables
public javax.swing.JComboBox<String> day;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
public javax.swing.JComboBox<String> month;
private javax.swing.JComboBox<String> username;
public javax.swing.JComboBox<String> year;
// End of variables declaration//GEN-END:variables
private void fill_Username(){
    String sql = "select NAME from users";
    try {
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        while(res.next()){
            username.addItem(res.getString("NAME"));
        }
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
}
}

```

## 7. LOGIN FORM

```
package main;
```

```
import java.awt.Color;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import javax.swing.SwingUtilities;
```

```
/**
```

```
*
```

```
* @author Hema
```

```
*/
```

```
public class Login extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre = null;
    ResultSet res = null;
    static String NAME;
    public Login() {
        initComponents();
        con = Connect.connect();
        new changestyle().chabgelock();
        SwingUtilities.updateComponentTreeUI(this);
        login_Hold();
    }
```

```
/**
```

```
* 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"> //GEN-BEGIN: initComponents
```

```
private void initComponents() {
```

```
    jPanel1 = new javax.swing.JPanel();
```

```
    jPanel2 = new javax.swing.JPanel();
```

```
    jLabel1 = new javax.swing.JLabel();
```

```
    jLabel2 = new javax.swing.JLabel();
```

```
    jPanel3 = new javax.swing.JPanel();
```

```
    jLabel3 = new javax.swing.JLabel();
```

```
    jLabel4 = new javax.swing.JLabel();
```

```
    id = new javax.swing.JTextField();
```

```
    pass = new javax.swing.JPasswordField();
```

```
    jSeparator1 = new javax.swing.JSeparator();
```

```
    jPanel4 = new javax.swing.JPanel();
```

```
    jButton1 = new javax.swing.JButton();
```

```
    jButton2 = new javax.swing.JButton();
```

```
    jPanel5 = new javax.swing.JPanel();
```

```
    jLabel5 = new javax.swing.JLabel();
```

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

```
    setTitle("Login");
```

```
    setResizable(false);
```



```

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

jPanel2.setBackground(new java.awt.Color(102, 102, 102));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Login Form");

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(247, 247, 247)
            .addComponent(jLabel1)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(19, 19, 19)
            .addComponent(jLabel1)
            .addGap(20, Short.MAX_VALUE))
        );

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/main/login.png"))); // NOI18N

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Login Information",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Tahoma", 1, 12), new java.awt.Color(255, 255, 255))); // NOI18N

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("User_ID : ");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("User_Password : ");

id.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        idMouseClicked(evt);
    }
});
id.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        idKeyReleased(evt);
    }
});

pass.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        passMouseClicked(evt);
    }
});
pass.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        passKeyReleased(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()
                .addGap(19, 19, 19)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4))
                .addGap(19, 19, 19)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(pass)
                    .addComponent(id))
                .addGap(19, 19, 19))
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(25, 25, 25)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel3)
                    .addComponent(id, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(25, 25, 25)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel4)
                    .addComponent(pass, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(25, 25, 25))
    );

    jPanel4.setBackground(new java.awt.Color(51, 51, 51));
    jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    jButton1.setText("Login");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    jButton2.setText("Cancel");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(19, 19, 19)
                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton1)
                    .addComponent(jButton2))
                .addGap(19, 19, 19))
    );

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 78,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );
    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton1)
                .addComponent(jButton2))
            .addContainerGap(21, Short.MAX_VALUE))
    );

    jPanel5.setBackground(new java.awt.Color(51, 51, 51));
    jPanel5.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

    jLabel5.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
    jLabel5.setText("Note : Password should be at least 6 Characters ");

    javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
    jPanel5.setLayout(jPanel5Layout);
    jPanel5Layout.setHorizontalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel5)
            .addContainerGap())
    );
    jPanel5Layout.setVerticalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel5)
            .addContainerGap())
    );

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 290,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jSeparator1)
                .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE)))
    .addContainerGap())
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(22, 22, 22)
.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(8, 8, 8)
.addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(22, Short.MAX_VALUE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
);

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

setSize(new java.awt.Dimension(662, 380));
setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_jButton2ActionPerformed
this.dispose();
setDefaultCloseOperation(EXIT_ON_CLOSE);
} // GEN-LAST:event_jButton2ActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_jButton1ActionPerformed
if(id.getText().equals("") || pass.getText().equals("")) {
JOptionPane.showMessageDialog(null, "Complete Your Login Information", "Missing Information", 2);
} else {

```

```

String sql = "select ID,NAME,PASSWORD from users where ID='"+id.getText()+"' ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    if(res.next()){
        NAME=res.getString("NAME");
        if(res.getString("PASSWORD").equals(pass.getText())){
            Pharmacy pharmacy = new Pharmacy();
            if(id.getText().equals("1")){
                this.dispose();
                pharmacy.setVisible(true);
            }else {
                this.dispose();
                pharmacy.setVisible(true);
            }
        }else{
            JOptionPane.showMessageDialog(null,"Wrong Password","Failed Access",2);
        }
    }else{
        JOptionPane.showMessageDialog(null,"Wrong ID","Failed Access",2);
    }
}

}catch(Exception e){
    JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
}

} //GEN-LAST:event_jButton1 ActionPerformed

private void passKeyReleased(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_passKeyReleased
if(pass.getForeground().equals(Color.GRAY)){
    char passs = pass.getText().charAt(0);
    pass.setText("");
    pass.setText(String.valueOf(passs));
    pass.setForeground(Color.BLACK);
    pass.setEchoChar('*');
}
} //GEN-LAST:event_passKeyReleased

private void passMouseClicked(java.awt.event.MouseEvent evt) { //GEN-FIRST:event_passMouseClicked
if(pass.getForeground().equals(Color.GRAY)){
    pass.setText("");
    pass.setForeground(Color.BLACK);
    pass.setEchoChar('*');
}
} //GEN-LAST:event_passMouseClicked

private void idKeyReleased(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_idKeyReleased
if(id.getForeground().equals(Color.GRAY)){
    char idd = id.getText().charAt(0);
    id.setText("");
    id.setText(String.valueOf(idd));
    id.setForeground(Color.BLACK);
}
} //GEN-LAST:event_idKeyReleased

private void idMouseClicked(java.awt.event.MouseEvent evt) { //GEN-FIRST:event_idMouseClicked
if(id.getForeground().equals(Color.GRAY)){

```

```

id.setText("");
id.setForeground(Color.BLACK);
}
} //GEN-LAST:event_idMouseClicked

/**
 * @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>
    //</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//GEN-BEGIN:variables
public static javax.swing.JTextField id;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JPasswordField pass;
// End of variables declaration//GEN-END:variables

```

```

private void login_Hold(){
    pass.setEchoChar((char)0);
    pass.setText("Enter Your Password : ");
    pass.setForeground(Color.GRAY);
    id.setText("Enter Your ID : ");
    id.setForeground(Color.GRAY);
}
}

```

## 8. PHARMACY

```

package main;

```

```

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.JOptionPane;
import javax.swing.Timer;

```

```

public class Pharmacy extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre= null;
    ResultSet res = null;
    static int ex;
    User user ;
    Company comp;
    static Drug drug ;
    static Move_Drug move_drug;
    Buy_Drug buy;
    Date d;
    SimpleDateFormat dd;
    static String to;
    static String from ;
    static String text ;
    static String almost_expired_bar ;
    static String expired_bar ;
    public Pharmacy() {
        initComponents();
        con=Connect.connect();
        showDate();
        buttonvis();
        user = new User();
        drug = new Drug();
        comp = new Company();
        move_drug = new Move_Drug();
        buy = new Buy_Drug();
        loginas();
        warning();
        login_as();
        alert_message();
    }
}

```

```

/**

```

```

 * 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">//GEN-BEGIN: initComponents

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();
time = new javax.swing.JLabel();
today = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
username = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
username1 = new javax.swing.JLabel();
jButton2 = new javax.swing.JButton();
jLabel4 = new javax.swing.JLabel();
userB = new javax.swing.JButton();
drugs = new javax.swing.JButton();
adduser = new javax.swing.JButton();
deleteuser = new javax.swing.JButton();
updateuser = new javax.swing.JButton();
adddrug = new javax.swing.JButton();
deletedrug = new javax.swing.JButton();
updatedrug = new javax.swing.JButton();
searchdrug = new javax.swing.JButton();
drugdetails = new javax.swing.JButton();
newcom = new javax.swing.JButton();
endwith = new javax.swing.JButton();
update = new javax.swing.JButton();
movedrug = new javax.swing.JButton();
setting = new javax.swing.JButton();
logindetails = new javax.swing.JButton();
changepass = new javax.swing.JButton();
company = new javax.swing.JButton();
editprice = new javax.swing.JButton();
purchase = new javax.swing.JButton();
renew_validate = new javax.swing.JButton();
buydrug = new javax.swing.JButton();
updatedeals = new javax.swing.JButton();
alldeals = new javax.swing.JButton();
sales = new javax.swing.JButton();
salesbill = new javax.swing.JButton();
logout = new javax.swing.JButton();
shiftsales = new javax.swing.JButton();
checkplace = new javax.swing.JButton();
druglist = new javax.swing.JButton();
movedrug1 = new javax.swing.JButton();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
expired1 = new javax.swing.JButton();
```



```

almost = new javax.swing.JButton();
retdrug = new javax.swing.JButton();
jLabel13 = new javax.swing.JLabel();
jMenuBar1 = new javax.swing.JMenuBar();
jMenu1 = new javax.swing.JMenu();
jMenu2 = new javax.swing.JMenu();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Pharmacy Management");
setResizable(false);

jPanel1.setBackground(new java.awt.Color(51, 51, 51));
jPanel1.setLayout(null);

jPanel2.setBackground(new java.awt.Color(102, 102, 102));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Pharmacy Management");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setText("Time");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel3.setText("Today");

time.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
time.setForeground(new java.awt.Color(0, 0, 102));
time.setText("00:00:00");

today.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
today.setForeground(new java.awt.Color(153, 0, 0));
today.setText("00-00-0000");

jButton1.setBackground(new java.awt.Color(0, 0, 0));
jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/main/Apps-session-logout-icon.png"))); // NOI18N
jButton1.setToolTipText("Logout");
jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

username.setBackground(new java.awt.Color(255, 255, 255));
username.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
username.setForeground(new java.awt.Color(153, 0, 0));
username.setText("Login As : ");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel5.setText("Login As : ");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel11.setText("User Name : ");

username1.setBackground(new java.awt.Color(255, 255, 255));
username1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
username1.setForeground(new java.awt.Color(0, 0, 102));
username1.setText("Login As : ");

```

```

jButton2.setBackground(new java.awt.Color(0, 0, 0));
jButton2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/main/2572420.postal.envelope.icon.dark.blue.isolated.on.black.background
(1).jpg"))); // NOI18N
jButton2.setToolTipText("Public Inbox");
jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel4.setText("(Administration)");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(62, 62, 62)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(20, 20, 20)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(username, javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(username1, javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addGap(80, 80, 80)
                            .addComponent(jLabel1))
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addGap(150, 150, 150)
                            .addComponent(jLabel4)))
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addGap(89, 89, 89)
                            .addComponent(jLabel2))
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addGap(69, 69, 69)
                            .addComponent(time, javax.swing.GroupLayout.PREFERRED_SIZE, 125,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addGap(95, 95, 95)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addGap(20, 20, 20)

```

```

        .addComponent(jLabel3))
        .addComponent(today, javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    );
    jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(20, 20, 20)
    .addComponent(jLabel5)
    .addGap(15, 15, 15)
    .addComponent(jLabel11))
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(20, 20, 20)
    .addComponent(username)
    .addGap(15, 15, 15)
    .addComponent(username1))
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(20, 20, 20)
    .addComponent(jLabel1))
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(10, 10, 10)
    .addComponent(jLabel2)
    .addGap(23, 23, 23)
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(time)
    .addComponent(jLabel4)))
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(10, 10, 10)
    .addComponent(jLabel3)
    .addGap(23, 23, 23)
    .addComponent(today))
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(20, 20, 20)
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE))))
    .addGap(8, 8, 8))
    );

    jPanel1.add(jPanel2);
    jPanel2.setBounds(0, 0, 1220, 80);

    userB.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    userB.setForeground(new java.awt.Color(0, 51, 51));
    userB.setText("User");
    userB.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            userBActionPerformed(evt);
        }
    });
    jPanel1.add(userB);
    userB.setBounds(1050, 100, 140, 34);

    drugs.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    drugs.setForeground(new java.awt.Color(0, 51, 51));

```

```

drugs.setText("Drugs");
drugs.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        drugsActionPerformed(evt);
    }
});
jPanel1.add(drugs);
drugs.setBounds(860, 100, 150, 34);

adduser.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
adduser.setText("Add User");
adduser.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adduserActionPerformed(evt);
    }
});
jPanel1.add(adduser);
adduser.setBounds(1050, 150, 140, 23);

deleteuser.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
deleteuser.setText("Delete User");
deleteuser.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        deleteuserActionPerformed(evt);
    }
});
jPanel1.add(deleteuser);
deleteuser.setBounds(1050, 190, 140, 23);

updateuser.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
updateuser.setText("Update User");
updateuser.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updateuserActionPerformed(evt);
    }
});
jPanel1.add(updateuser);
updateuser.setBounds(1050, 230, 140, 23);

adddrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
adddrug.setText("Add Drug");
adddrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adddrugActionPerformed(evt);
    }
});
jPanel1.add(adddrug);
adddrug.setBounds(860, 150, 150, 23);

deletedrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
deletedrug.setText("Delete Drug");
deletedrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        deletedrugActionPerformed(evt);
    }
});
jPanel1.add(deletedrug);
deletedrug.setBounds(860, 190, 150, 23);

```

```

updatedrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
updatedrug.setText("Update Drug");
updatedrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updatedrugActionPerformed(evt);
    }
});
jPanel1.add(updatedrug);
updatedrug.setBounds(860, 230, 150, 23);

```

```

searchdrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
searchdrug.setText("Search Drug");
searchdrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        searchdrugActionPerformed(evt);
    }
});
jPanel1.add(searchdrug);
searchdrug.setBounds(860, 270, 150, 23);

```

```

drugdetails.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
drugdetails.setForeground(new java.awt.Color(0, 51, 51));
drugdetails.setText("Drug Details");
drugdetails.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        drugdetailsActionPerformed(evt);
    }
});
jPanel1.add(drugdetails);
drugdetails.setBounds(670, 100, 150, 34);

```

```

newcom.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
newcom.setText("New Company");
newcom.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        newcomActionPerformed(evt);
    }
});
jPanel1.add(newcom);
newcom.setBounds(188, 154, 118, 23);

```

```

endwith.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
endwith.setText("End With");
endwith.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        endwithActionPerformed(evt);
    }
});
jPanel1.add(endwith);
endwith.setBounds(188, 195, 118, 23);

```

```

update.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
update.setText("Updates");
update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updateActionPerformed(evt);
    }
}

```

```

});
jPanel1.add(update);
update.setBounds(188, 236, 119, 23);

movedrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
movedrug.setText("Drugs_List");
movedrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        movedrugActionPerformed(evt);
    }
});
jPanel1.add(movedrug);
movedrug.setBounds(860, 350, 150, 23);

setting.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
setting.setForeground(new java.awt.Color(0, 51, 51));
setting.setText("Setting");
setting.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        settingActionPerformed(evt);
    }
});
jPanel1.add(setting);
setting.setBounds(10, 102, 141, 34);

logindetails.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
logindetails.setText("Login Details");
logindetails.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        logindetailsActionPerformed(evt);
    }
});
jPanel1.add(logindetails);
logindetails.setBounds(10, 154, 141, 23);

changepass.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
changepass.setText("Change Password");
changepass.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        changepassActionPerformed(evt);
    }
});
jPanel1.add(changepass);
changepass.setBounds(10, 195, 141, 23);

company.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
company.setForeground(new java.awt.Color(0, 51, 51));
company.setText("Company");
company.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        companyActionPerformed(evt);
    }
});
jPanel1.add(company);
company.setBounds(188, 102, 118, 34);

editprice.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
editprice.setText("Edit Prices");

```

```

editprice.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        editpriceActionPerformed(evt);
    }
});
jPanel1.add(editprice);
editprice.setBounds(670, 190, 150, 23);

purchase.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
purchase.setForeground(new java.awt.Color(0, 51, 51));
purchase.setText("Purchases");
purchase.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        purchaseActionPerformed(evt);
    }
});
jPanel1.add(purchase);
purchase.setBounds(520, 100, 130, 34);

renew_validate.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
renew_validate.setText("Renew_Validity");
renew_validate.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        renew_validateActionPerformed(evt);
    }
});
jPanel1.add(renew_validate);
renew_validate.setBounds(670, 270, 150, 23);

buydrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
buydrug.setText("Buy Drugs");
buydrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        buydrugActionPerformed(evt);
    }
});
jPanel1.add(buydrug);
buydrug.setBounds(520, 150, 130, 23);

updatedeals.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
updatedeals.setText("Update Deals");
updatedeals.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updatedealsActionPerformed(evt);
    }
});
jPanel1.add(updatedeals);
updatedeals.setBounds(520, 190, 130, 23);

alldeals.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
alldeals.setText("All Deals");
alldeals.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        alldealsActionPerformed(evt);
    }
});
jPanel1.add(alldeals);
alldeals.setBounds(520, 230, 130, 23);

```

```

sales.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
sales.setForeground(new java.awt.Color(0, 51, 51));
sales.setText("Sales");
sales.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        salesActionPerformed(evt);
    }
});
jPanel1.add(sales);
sales.setBounds(338, 102, 150, 34);

salesbill.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
salesbill.setText("Sales Bill");
salesbill.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        salesbillActionPerformed(evt);
    }
});
jPanel1.add(salesbill);
salesbill.setBounds(338, 154, 150, 23);

logout.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
logout.setText("Logout");
logout.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        logoutActionPerformed(evt);
    }
});
jPanel1.add(logout);
logout.setBounds(10, 236, 141, 23);

shiftsales.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
shiftsales.setText("Shift Sales");
shiftsales.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        shiftsalesActionPerformed(evt);
    }
});
jPanel1.add(shiftsales);
shiftsales.setBounds(338, 195, 150, 23);

checkplace.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
checkplace.setText("Check Places");
checkplace.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        checkplaceActionPerformed(evt);
    }
});
jPanel1.add(checkplace);
checkplace.setBounds(670, 150, 150, 23);

druglist.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
druglist.setText("Drugs_List");
druglist.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        druglistActionPerformed(evt);
    }
});

```



```

});
jPanel1.add(druglist);
druglist.setBounds(0, 0, 93, 23);

movedrug1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
movedrug1.setText("Move Drug");
movedrug1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        movedrug1ActionPerformed(evt);
    }
});
jPanel1.add(movedrug1);
movedrug1.setBounds(860, 310, 150, 23);

jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/main/rsz_1rsz_16314569-telephone-round-gray-web-icon-on-black-background
-stock-photo-phone.jpg"))); // NOI18N
jLabel6.setText("jLabel6");
jPanel1.add(jLabel6);
jLabel6.setBounds(0, 450, 80, 80);

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel7.setText("045/3397825");
jPanel1.add(jLabel7);
jLabel7.setBounds(90, 490, 390, 29);

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel8.setText("01128284736 / 01014033489");
jPanel1.add(jLabel8);
jLabel8.setBounds(90, 450, 390, 29);

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel9.setText("Alexandria / Elraml Station / st-Elshazly");
jPanel1.add(jLabel9);
jLabel9.setBounds(120, 550, 380, 22);

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel10.setText("Location : ");
jPanel1.add(jLabel10);
jLabel10.setBounds(10, 550, 94, 22);

expired1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
expired1.setText("Expired Drugs");
expired1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        expired1ActionPerformed(evt);
    }
});
jPanel1.add(expired1);
expired1.setBounds(670, 230, 150, 23);

almost.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
almost.setText("Almost_Finished");
almost.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        almostActionPerformed(evt);
    }
});

```

```

jPanel1.add(almost);
almost.setBounds(670, 310, 150, 23);

retdrug.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
retdrug.setText("Retrieval Drug");
retdrug.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        retdrugActionPerformed(evt);
    }
});
jPanel1.add(retdrug);
retdrug.setBounds(338, 235, 150, 23);

jLabel13.setIcon(new javax.swing.ImageIcon(getClass().getResource("/main/capsule.pill.health.medicine (1).jpg"))); //
NOI18N
jPanel1.add(jLabel13);
jLabel13.setBounds(0, 74, 1210, 520);

jMenu1.setText("About Pharmacy");
jMenuBar1.add(jMenu1);

jMenu2.setText("About Developer");
jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 1199, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 586, Short.MAX_VALUE)
);

setSize(new java.awt.Dimension(1215, 646));
setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void movedrugActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_movedrugActionPerformed
    new Move_Drug().setVisible(true);
} // GEN-LAST:event_movedrugActionPerformed

private void druglistActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_druglistActionPerformed
    new Drug_List().setVisible(true);
} // GEN-LAST:event_druglistActionPerformed

private void checkplaceActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_checkplaceActionPerformed
    new Move_Drug().setVisible(true);
} // GEN-LAST:event_checkplaceActionPerformed

private void logoutActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_logoutActionPerformed
    this.dispose();
    new Login().setVisible(true);
} // GEN-LAST:event_logoutActionPerformed

```

```

private void salesActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_salesActionPerformed
    sales();
}GEN-LAST:event_salesActionPerformed

private void purchaseActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_purchaseActionPerformed
    if(!username.getText().equals("Employee")){
        enterpurchase();
    } else {
String pass = JOptionPane.showInputDialog("You are not allowed to check user Inforamtion\nTo get in please confirm Admin Password");
String sql = "select NAME,PASSWORD from users where NAME='Ebrahim Samer' ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    if(res.next()){
        if(res.getString("PASSWORD").equals(pass)){
            enterpurchase();
        } else if(pass.isEmpty()){
JOptionPane.showMessageDialog(null,"You must write admin Password","Failed Access",2);
        } else {
JOptionPane.showMessageDialog(null,"Wrong Password","Failed Access",2);
        }
    }
} catch (Exception e){
JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
}
}GEN-LAST:event_purchaseActionPerformed

private void editpriceActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_editpriceActionPerformed
    new Edit_Price().setVisible(true);
}GEN-LAST:event_editpriceActionPerformed

private void companyActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_companyActionPerformed
    company();
}GEN-LAST:event_companyActionPerformed

private void changepassActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_changepassActionPerformed
    new Change_Password().setVisible(true);
}GEN-LAST:event_changepassActionPerformed

private void settingActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_settingActionPerformed
    setting();
}GEN-LAST:event_settingActionPerformed

private void movedrugActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_movedrugActionPerformed
    new Drug_List().setVisible(true);
}GEN-LAST:event_movedrugActionPerformed

private void updateActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_updateActionPerformed
    comp.setVisible(true);
    comp.save.setEnabled(false);
    comp.update.setEnabled(true);
    comp.delete.setEnabled(false);
}GEN-LAST:event_updateActionPerformed

private void endwithActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_endwithActionPerformed
    comp.setVisible(true);
    comp.save.setEnabled(false);

```

```
    comp.update.setEnabled(false);
    comp.delete.setEnabled(true);
} //GEN-LAST:event_endwithActionPerformed
```

```
private void newcomActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_newcomActionPerformed
    comp.setVisible(true);
    comp.save.setEnabled(true);
    comp.update.setEnabled(false);
    comp.delete.setEnabled(false);
} //GEN-LAST:event_newcomActionPerformed
```

```
private void drugdetailsActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_drugdetailsActionPerformed
    enterdrugdetails();
} //GEN-LAST:event_drugdetailsActionPerformed
```

```
private void searchdrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_searchdrugActionPerformed
    new Search_Drug().setVisible(true);
} //GEN-LAST:event_searchdrugActionPerformed
```

```
private void updatedrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_updatedrugActionPerformed
    drug.setVisible(true);
    drug.adddrug.setEnabled(false);
    drug.deletedrug.setEnabled(false);
    drug.updatedrug.setEnabled(true);
} //GEN-LAST:event_updatedrugActionPerformed
```

```
private void deletedrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_deletedrugActionPerformed
    drug.setVisible(true);
    drug.updatedrug.setEnabled(false);
    drug.adddrug.setEnabled(false);
    drug.deletedrug.setEnabled(true);
} //GEN-LAST:event_deletedrugActionPerformed
```

```
private void adddrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_adddrugActionPerformed
    drug.setVisible(true);
    drug.updatedrug.setEnabled(false);
    drug.deletedrug.setEnabled(false);
    drug.adddrug.setEnabled(true);
} //GEN-LAST:event_adddrugActionPerformed
```

```
private void updateuserActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_updateuserActionPerformed
    user.setVisible(true);
    user.deleteuser.setEnabled(false);
    user.adduser.setEnabled(false);
    user.updateuser.setEnabled(true);
    user.id.setEditable(false);
} //GEN-LAST:event_updateuserActionPerformed
```

```
private void deleteuserActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_deleteuserActionPerformed
    user.setVisible(true);
    user.adduser.setEnabled(false);
    user.updateuser.setEnabled(false);
    user.deleteuser.setEnabled(true);
} //GEN-LAST:event_deleteuserActionPerformed
```

```
private void adduserActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_adduserActionPerformed
    user.setVisible(true);
    user.deleteuser.setEnabled(false);
}
```

```

        user.updateuser.setEnabled(false);
        user.adduser.setEnabled(true);
    }//GEN-LAST:event_adduserActionPerformed

    private void drugsActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_drugsActionPerformed
        enterdrugs();
    }//GEN-LAST:event_drugsActionPerformed

    private void userBActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_userBActionPerformed
        if(!username.getText().equals("Employee")){
            enteruser();} else {
        String pass = JOptionPane.showInputDialog(null,"You are not allowed to check user Inforamtion\nTo get in please confirm Admin Password");
        String sql = "select NAME,PASSWORD from users where NAME='Ebrahim Samer' ";
        try{
            pre=con.prepareStatement(sql);
            res=pre.executeQuery();
            if(res.next()){
                if(res.getString("PASSWORD").equals(pass)){
                    enteruser();
                } else if(pass.isEmpty()){
                    JOptionPane.showMessageDialog(null,"You must write admin Password","Failed Access",2);
                } else {
                    JOptionPane.showMessageDialog(null,"Wrong Password","Failed Access",2);
                }
            }
        } catch (Exception e){
            JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
        }
    }
    }//GEN-LAST:event_userBActionPerformed

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton1ActionPerformed
        this.dispose();
        new Login().setVisible(true);
    }//GEN-LAST:event_jButton1ActionPerformed

    private void renew_validateActionPerformed(java.awt.event.ActionEvent evt)
    { //GEN-FIRST:event_renew_validateActionPerformed
        new Renew_Velocity().setVisible(true);
    }//GEN-LAST:event_renew_validateActionPerformed

    private void expired1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_expired1ActionPerformed
        new Expired_Drug().setVisible(true);
    }//GEN-LAST:event_expired1ActionPerformed

    private void logindetailsActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_logindetailsActionPerformed
        new Login_Details().setVisible(true);
    }//GEN-LAST:event_logindetailsActionPerformed

    private void buydrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_buydrugActionPerformed
        buy.setVisible(true);
        buy.makedeal.setEnabled(true);
        buy.update.setEnabled(false);
    }//GEN-LAST:event_buydrugActionPerformed

    private void updatedealsActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_updatedealsActionPerformed
        buy.setVisible(true);
        buy.update.setEnabled(true);
    }

```

```

buy.makedeal.setEnabled(false);
} //GEN-LAST:event_updatedealsActionPerformed

private void alldealsActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_alldealsActionPerformed
new All_Deal().setVisible(true);
} //GEN-LAST:event_alldealsActionPerformed

private void salesbillActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_salesbillActionPerformed
new Sales_Bill().setVisible(true);
} //GEN-LAST:event_salesbillActionPerformed

private void almostActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_almostActionPerformed
new Almost_Finish().setVisible(true);
} //GEN-LAST:event_almostActionPerformed

private void shiftsalesActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_shiftsalesActionPerformed
new Shift_Sales().setVisible(true);
} //GEN-LAST:event_shiftsalesActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton2ActionPerformed
new Inbox().setVisible(true);
} //GEN-LAST:event_jButton2ActionPerformed

private void retrdrugActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_retrdrugActionPerformed
new Retrieval_Drug().setVisible(true);
} //GEN-LAST:event_retrdrugActionPerformed

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

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

```

```

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

```

// Variables declaration - do not modify//GEN-BEGIN:variables

```

private javax.swing.JButton adddrug;
private javax.swing.JButton adduser;
private javax.swing.JButton alldeals;
private javax.swing.JButton almost;
private javax.swing.JButton buydrug;
private javax.swing.JButton changepass;
private javax.swing.JButton checkplace;
private javax.swing.JButton company;
private javax.swing.JButton deletedrug;
private javax.swing.JButton deleteuser;
private javax.swing.JButton drugdetails;
private javax.swing.JButton druglist;
private javax.swing.JButton drugs;
private javax.swing.JButton editprice;
private javax.swing.JButton endwith;
private javax.swing.JButton expired1;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton loginetails;
private javax.swing.JButton logout;
private javax.swing.JButton movedrug;
private javax.swing.JButton movedrug1;
private javax.swing.JButton newcom;
public javax.swing.JButton purchase;
private javax.swing.JButton renew_validate;
private javax.swing.JButton retrdrug;
private javax.swing.JButton sales;
private javax.swing.JButton salesbill;
private javax.swing.JButton searchdrug;
private javax.swing.JButton setting;
private javax.swing.JButton shiftsales;
public static javax.swing.JLabel time;
public static javax.swing.JLabel today;
private javax.swing.JButton update;
private javax.swing.JButton updatedeals;

```

```

private javax.swing.JButton updatedrug;
private javax.swing.JButton updateuser;
public javax.swing.JButton userB;
private javax.swing.JLabel username;
public static javax.swing.JLabel username1;
// End of variables declaration//GEN-END:variables
private void showDate(){
    d = new Date();
    dd = new SimpleDateFormat("dd-MM-yyyy");
    today.setText(dd.format(d));

    new Timer(0,new ActionListener() {
        @Override
        public void actionPerformed(ActionEvent ae) {
            Date d = new Date();
            SimpleDateFormat dd = new SimpleDateFormat("hh:mm:ss a");
            time.setText(dd.format(d));
        }
    }).start();
}
private void buttonvis(){
    adduser.setVisible(false);
    deleteuser.setVisible(false);
    updateuser.setVisible(false);

    adddrug.setVisible(false);
    deletedrug.setVisible(false);
    updatedrug.setVisible(false);
    searchdrug.setVisible(false);
    movedrug.setVisible(false);
    movedrug1.setVisible(false);

    checkplace.setVisible(false);
    editprice.setVisible(false);
    renew_validate.setVisible(false);
    expired1.setVisible(false);
    almost.setVisible(false);

    buydrug.setVisible(false);
    updatedeals.setVisible(false);
    alldeals.setVisible(false);

    salesbill.setVisible(false);
    shiftsales.setVisible(false);
    retrdrug.setVisible(false);

    newcom.setVisible(false);
    endwith.setVisible(false);
    update.setVisible(false);

    logindetails.setVisible(false);
    changepass.setVisible(false);
    logout.setVisible(false);
}
private void uservis(){
    adduser.setVisible(true);
    deleteuser.setVisible(true);
    updateuser.setVisible(true);
}

```



```

}
private void enteruser(){
    userB.setEnabled(false);
    drugs.setEnabled(true);
    drugdetails.setEnabled(true);
    sales.setEnabled(true);
    purchase.setEnabled(true);
    setting.setEnabled(true);
    company.setEnabled(true);

    adduser.setVisible(true);
    deleteuser.setVisible(true);
    updateuser.setVisible(true);

    adddrug.setVisible(false);
    deletedrug.setVisible(false);
    updatedrug.setVisible(false);
    searchdrug.setVisible(false);
    movedrug.setVisible(false);
    movedrug1.setVisible(false);

    editprice.setVisible(false);
    checkplace.setVisible(false);
    renew_validate.setVisible(false);
    expired1.setVisible(false);
    almost.setVisible(false);

    buydrug.setVisible(false);
    updatedeals.setVisible(false);
    alldeals.setVisible(false);

    salesbill.setVisible(false);
    shiftsales.setVisible(false);
    retdrug.setVisible(false);

    newcom.setVisible(false);
    endwith.setVisible(false);
    update.setVisible(false);

    logindetails.setVisible(false);
    changepass.setVisible(false);
    logout.setVisible(false);
}
private void enterdrugs(){
    drugs.setEnabled(false);
    userB.setEnabled(true);
    drugdetails.setEnabled(true);
    sales.setEnabled(true);
    purchase.setEnabled(true);
    setting.setEnabled(true);
    company.setEnabled(true);

    adduser.setVisible(false);
    deleteuser.setVisible(false);
    updateuser.setVisible(false);

    adddrug.setVisible(true);

```

```

deletedrug.setVisible(true);
updatedrug.setVisible(true);
searchdrug.setVisible(true);
movedrug.setVisible(true);
movedrug1.setVisible(true);

editprice.setVisible(false);
checkplace.setVisible(false);
renew_validate.setVisible(false);
expired1.setVisible(false);
almost.setVisible(false);

buydrug.setVisible(false);
updatedeals.setVisible(false);
alldeals.setVisible(false);

salesbill.setVisible(false);
shiftsales.setVisible(false);
retdrug.setVisible(false);

newcom.setVisible(false);
endwith.setVisible(false);
update.setVisible(false);

logindetails.setVisible(false);
changepass.setVisible(false);
logout.setVisible(false);
}
private void enterdrugdetails(){
    drugdetails.setEnabled(false);
    userB.setEnabled(true);
    drugs.setEnabled(true);
    sales.setEnabled(true);
    purchase.setEnabled(true);
    setting.setEnabled(true);
    company.setEnabled(true);

    adduser.setVisible(false);
    deleteuser.setVisible(false);
    updateuser.setVisible(false);

    adddrug.setVisible(false);
    deletedrug.setVisible(false);
    updatedrug.setVisible(false);
    searchdrug.setVisible(false);
    movedrug.setVisible(false);
    movedrug1.setVisible(false);

    editprice.setVisible(true);
    checkplace.setVisible(true);
    renew_validate.setVisible(true);
    expired1.setVisible(true);
    almost.setVisible(true);

    buydrug.setVisible(false);
    updatedeals.setVisible(false);
    alldeals.setVisible(false);

```

```

    salesbill.setVisible(false);
    shiftsales.setVisible(false);
    retdrug.setVisible(false);

    newcom.setVisible(false);
    endwith.setVisible(false);
    update.setVisible(false);

    logindetails.setVisible(false);
    changepass.setVisible(false);
    logout.setVisible(false);
}
private void enterpurchase(){
    purchase.setEnabled(false);
    userB.setEnabled(true);
    drugs.setEnabled(true);
    drugdetails.setEnabled(true);
    sales.setEnabled(true);
    setting.setEnabled(true);
    company.setEnabled(true);

    adduser.setVisible(false);
    deleteuser.setVisible(false);
    updateuser.setVisible(false);

    adddrug.setVisible(false);
    deletedrug.setVisible(false);
    updatedrug.setVisible(false);
    searchdrug.setVisible(false);
    movedrug.setVisible(false);
    movedrug1.setVisible(false);

    editprice.setVisible(false);
    checkplace.setVisible(false);
    renew_validate.setVisible(false);
    expired1.setVisible(false);
    almost.setVisible(false);

    buydrug.setVisible(true);
    updatedeals.setVisible(true);
    alldeals.setVisible(true);

    salesbill.setVisible(false);
    shiftsales.setVisible(false);
    retdrug.setVisible(false);

    newcom.setVisible(false);
    endwith.setVisible(false);
    update.setVisible(false);

    logindetails.setVisible(false);
    changepass.setVisible(false);
    logout.setVisible(false);
}
private void sales(){
    sales.setEnabled(false);
    userB.setEnabled(true);
    drugs.setEnabled(true);

```

```

drugdetails.setEnabled(true);
purchase.setEnabled(true);
setting.setEnabled(true);
company.setEnabled(true);

adduser.setVisible(false);
deleteuser.setVisible(false);
updateuser.setVisible(false);

adddrug.setVisible(false);
deletedrug.setVisible(false);
updatedrug.setVisible(false);
searchdrug.setVisible(false);
movedrug.setVisible(false);
movedrug1.setVisible(false);

editprice.setVisible(false);
checkplace.setVisible(false);
renew_validate.setVisible(false);
expired1.setVisible(false);
almost.setVisible(false);

buydrug.setVisible(false);
updatedeals.setVisible(false);
alld Deals.setVisible(false);

salesbill.setVisible(true);
shiftsales.setVisible(true);
retdrug.setVisible(true);

newcom.setVisible(false);
endwith.setVisible(false);
update.setVisible(false);

logindetails.setVisible(false);
changepass.setVisible(false);
logout.setVisible(false);
}
private void setting() {
    setting.setEnabled(false);
    userB.setEnabled(true);
    drugs.setEnabled(true);
    drugdetails.setEnabled(true);
    sales.setEnabled(true);
    purchase.setEnabled(true);
    company.setEnabled(true);

    adduser.setVisible(false);
    deleteuser.setVisible(false);
    updateuser.setVisible(false);

    adddrug.setVisible(false);
    deletedrug.setVisible(false);
    updatedrug.setVisible(false);
    searchdrug.setVisible(false);
    movedrug.setVisible(false);
    movedrug1.setVisible(false);

```

```

editprice.setVisible(false);
checkplace.setVisible(false);
renew_validate.setVisible(false);
expired1.setVisible(false);
almost.setVisible(false);

buydrug.setVisible(false);
updatedeals.setVisible(false);
alldeals.setVisible(false);

salesbill.setVisible(false);
shiftsales.setVisible(false);
retdrug.setVisible(false);

newcom.setVisible(false);
endwith.setVisible(false);
update.setVisible(false);

logindetails.setVisible(true);
changepass.setVisible(true);
logout.setVisible(true);
}
private void company(){
    company.setEnabled(false);
    userB.setEnabled(true);
    drugs.setEnabled(true);
    drugdetails.setEnabled(true);
    sales.setEnabled(true);
    purchase.setEnabled(true);
    setting.setEnabled(true);

    adduser.setVisible(false);
    deleteuser.setVisible(false);
    updateuser.setVisible(false);

    adddrug.setVisible(false);
    deletedrug.setVisible(false);
    updatedrug.setVisible(false);
    searchdrug.setVisible(false);
    movedrug.setVisible(false);
    movedrug1.setVisible(false);

    editprice.setVisible(false);
    checkplace.setVisible(false);
    renew_validate.setVisible(false);
    expired1.setVisible(false);
    almost.setVisible(false);

    buydrug.setVisible(false);
    updatedeals.setVisible(false);
    alldeals.setVisible(false);

    salesbill.setVisible(false);
    shiftsales.setVisible(false);
    retdrug.setVisible(false);

    newcom.setVisible(true);
    endwith.setVisible(true);

```

```

update.setVisible(true);

logindetails.setVisible(false);
changepass.setVisible(false);
logout.setVisible(false);
}
private void loginas(){
String sql = "select ID,NAME from users where ID='"+Login.id.getText()+" ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    if(res.next()){
        username1.setText(res.getString("NAME"));
        if(res.getString("ID").equals("1")){
            username.setText("Admin");
        }else{
            username.setText("Employee");
        }
    }
} catch(Exception e){
    JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
}
private void warning(){
//check the Expiration of the drugs;

int ex_year ;
int current_year ;
int ex_month ;
int ex_day ;
int current_month ;
int current_day ;
String sql = "select BARCODE,EXPIRATION_DATE from drugs";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    while(res.next()){
        Warning warning = new Warning();
        ex_year = Integer.parseInt(res.getString("EXPIRATION_DATE").split("-")[2]);
        ex_month = Integer.parseInt(res.getString("EXPIRATION_DATE").split("-")[1]);
        ex_day = Integer.parseInt(res.getString("EXPIRATION_DATE").split("-")[0]);
        current_year = Integer.parseInt(dd.format(d).split("-")[2]);
        current_month = Integer.parseInt(dd.format(d).split("-")[1]);
        current_day = Integer.parseInt(dd.format(d).split("-")[0]);
        if(ex_year==current_year){
            if(ex_month-current_month==2){
                ex=1;
                almost_expired_bar = res.getString("BARCODE");
                warning.setVisible(true);
            }else if(ex_month==current_month){
                if(ex_day==current_day){
                    ex=0;
                    expired_bar = res.getString("BARCODE");
                    update_to_expired();
                    warning.setVisible(true);
                }
            }
        }
    }
} catch(Exception e){

```

```

        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
private void update_to_expired(){
    String sql = "update drugs set EXPIRY='Expired' where BARCODE='"+expired_bar+"' ";
    try{
        pre=con.prepareStatement(sql);
        pre.execute();
    } catch (Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
private void login_as(){
    Date d = new Date();
    SimpleDateFormat dd = new SimpleDateFormat("hh:mm:ss");
    String sql = "insert into login (NAME,TYPE,DATE,TIME) values ('"+username1.getText()+"' , '"+username.getText()+"' , '"+today.getText()+"' , '"+dd.format(d)+"' )";
    try {
        pre=con.prepareStatement(sql);
        pre.execute();
    } catch (Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}

private void alert_message(){
    String sql = "select MESSAGE_TO,MESSAGE_FROM,MESSAGE_TEXT from message_history where MESSAGE_TO='"+username1.getText()+"' ";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        if(res.next()){
            to=res.getString("MESSAGE_TO");
            from=res.getString("MESSAGE_FROM");
            text=res.getString("MESSAGE_TEXT");
            new Alert().setVisible(true);
        }
    } catch (Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
}
}

```

## 10. SALES BILL

```

/*
 * 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 main;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author Hema
 */

```

```

*/
public class Sales_Bill extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre= null;
    ResultSet res = null;
    int rest_drug ;

    public Sales_Bill() {
        initComponents();
        con=Connect.connect();
    }

    /**
     * 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">//GEN-BEGIN: initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jPanel4 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        barcode = new javax.swing.JTextField();
        quantity = new javax.swing.JComboBox<>();
        jLabel2 = new javax.swing.JLabel();
        jPanel5 = new javax.swing.JPanel();
        total_amount = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jPanel6 = new javax.swing.JPanel();
        jButton3 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
        setTitle("Sale_Bill");
        setResizable(false);

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

        jPanel2.setBackground(new java.awt.Color(102, 102, 102));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("Sale_Bill Form");

        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.createSequentialGroup().createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING).addGap(331, 331, 331).addComponent(jLabel1).addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                )
        );

```



```

);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(jLabel1)
            .addContainerGap(22, Short.MAX_VALUE))
);

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

jTable1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jTable1.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, null, null, null, null}
    },
    new String [] {
        "Barcode", "Name", "Type", "Dose", "Quantity", "Price", "Amount"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
jScrollPane1.setViewportView(jTable1);
if (jTable1.getColumnModel().getColumnCount() > 0) {
    jTable1.getColumnModel().getColumn(0).setHeaderValue("Barcode");
    jTable1.getColumnModel().getColumn(1).setHeaderValue("Name");
    jTable1.getColumnModel().getColumn(2).setHeaderValue("Type");
    jTable1.getColumnModel().getColumn(3).setHeaderValue("Dose");
    jTable1.getColumnModel().getColumn(4).setHeaderValue("Quantity");
    jTable1.getColumnModel().getColumn(5).setHeaderValue("Price");
    jTable1.getColumnModel().getColumn(6).setHeaderValue("Amount");
}

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()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 781,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 120, Short.MAX_VALUE)

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```

        .addContainerGap())
    );

    jPanel4.setBackground(new java.awt.Color(51, 51, 51));
    jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Sale_Bill Information",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Tahoma", 1, 12), new java.awt.Color(255, 255, 255))); // NOI18N

    jLabel3.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    jLabel3.setText("Quantity : ");

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    jButton1.setText("Get_Bill");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    quantity.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Quantity : ", "1", "2", "3", "4", "5", "6",
    "7", "8", "9", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29",
    "30", "31", "32", "33", "34", "35", "36", "37", "38", "39", "40" }));

    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    jLabel2.setText("Barcode : ");

    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
                .addGap(18, 18, 18)
                .addComponent(barcode, javax.swing.GroupLayout.PREFERRED_SIZE, 187,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel3)
                .addGap(18, 18, 18)
                .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE, 150,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(75, 75, 75)
            )
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
                .addGap(18, 18, 18)
                .addComponent(barcode, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel3)
                .addGap(18, 18, 18)
                .addComponent(quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            )
    );

```

```

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

jPanel5.setBackground(new java.awt.Color(51, 51, 51));
jPanel5.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

total_amount.setFont(new java.awt.Font("Tahoma", 0, 48)); // NOI18N
total_amount.setText("00.0$");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("Total : ");

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .add(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel4)
                .addGap(18, 18, 18)
                .addComponent(total_amount)
                .addContainerGap())
            .addContainerGap())
);
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .add(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jPanel5Layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(total_amount, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addContainerGap())
                .add(jPanel5Layout.createSequentialGroup()
                    .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel4)
                    .addGap(29, 29, 29))
            .addContainerGap())
);

jPanel6.setBackground(new java.awt.Color(51, 51, 51));
jPanel6.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setText("Cancel");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jButton2.setText("New_Bill");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);

```

```

jPanel6Layout.setHorizontalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel6Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 139,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(33, 33, 33)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 124,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addComponent(jPanel4, 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))
            .addContainerGap(14, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel4, 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)
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,

```

```

Short.MAX_VALUE)
        .addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

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

    setSize(new java.awt.Dimension(843, 445));
    setLocationRelativeTo(null);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    if (barcode.getText().equals("") || quantity.getSelectedIndex() == 0) {
        JOptionPane.showMessageDialog(null, "Complete Bill Information", "Missing Information", 2);
    }
    else {
        boolean check = check_Bill(); // if there is same result so check = true ;
        if (check) {
            int c = JOptionPane.showConfirmDialog(null, "The Same Bill is Exist Before\n\nAre you want to Continue and Repeat it", "Warning", 2);
            if (c == 0) {
                check = false;
            }
        }
        if (!check) {
            String sql = "select BARCODE,NAME,TYPE,DOSE,SELLING_PRICE,QUANTITY,EXPIRY from drugs where BARCODE='" + barcode.getText() + "'";
            try {
                pre = con.prepareStatement(sql);
                res = pre.executeQuery();
                if (res.next()) {
                    if (res.getString("EXPIRY").equals("Expired")) {
                        Renew_Vailidity Renew ;
                        int renew = JOptionPane.showConfirmDialog(null, "Drug Expired \n\nRenew it Validity", "Failed Operation", 2);
                        if (renew == 0) {
                            Renew = new Renew_Vailidity();
                            Renew.setVisible(true);
                            Renew.barcode.setText(barcode.getText());
                        }
                    }
                    else {
                        if (Integer.parseInt(res.getString("QUANTITY")) <= 0) {
                            JOptionPane.showMessageDialog(null, "The Remaining Quantity of this Drug is Zero\n\nYou should Update Quantity of this Drug", "Warning", 2);
                        }
                        String Barcode = res.getString("BARCODE");
                        String NAME = res.getString("NAME");
                        String TYPE = res.getString("TYPE");
                        String DOSE = res.getString("DOSE");
                    }
                }
            }
            catch (Exception e) {
                e.printStackTrace();
            }
        }
    }
}

```

```

String PRICE = res.getString("SELLING_PRICE");
double AMOUNT = Integer.parseInt(quantity.getSelectedItem().toString()) * Integer.parseInt(PRICE);
rest_drug = Integer.parseInt(res.getString("QUANTITY")) - Integer.parseInt(quantity.getSelectedItem().toString());
String sql1 = "insert into sales (BARCODE,NAME,TYPE,DOSE,QUANTITY,PRICE,AMOUNT,DATE) values
("+Barcode+", "+NAME+",
"+TYPE+", "+DOSE+", "+quantity.getSelectedItem()+", "+PRICE+", "+AMOUNT+", "+Pharmacy.today.getText()+")" ;
pre=con.prepareStatement(sql1);
pre.execute();
refresh();
update_quantity();
String sql2 = "insert into history_sales
(USER_NAME,BARCODE,NAME,TYPE,DOSE,QUANTITY,PRICE,AMOUNT,DATE,TIME) values
("+Pharmacy.username1.getText()+", "+Barcode+", "+NAME+",
"+TYPE+", "+DOSE+", "+quantity.getSelectedItem()+", "+PRICE+", "+AMOUNT+", "+Pharmacy.today.getText()+", "+Phar
macy.time.getText()+")" ;
pre=con.prepareStatement(sql2);
pre.execute();
get_Total();
}
} catch (Exception e) {
JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
}
}
} //GEN-LAST:event_jButton1ActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton2ActionPerformed
String sql = "delete from sales";
try {
pre=con.prepareStatement(sql);
pre.execute();
refresh();
total_amount.setText("00.0$");
} catch (Exception e) {
JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
barcode.setText("");
quantity.setSelectedIndex(0);
} //GEN-LAST:event_jButton2ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton3ActionPerformed
this.dispose();
String sql = "delete from sales";
try {
pre=con.prepareStatement(sql);
pre.execute();
} catch (Exception e) {
JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
}
} //GEN-LAST:event_jButton3ActionPerformed

/**
 * @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(Sales_Bill.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(Sales_Bill.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(Sales_Bill.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(Sales_Bill.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 Sales_Bill().setVisible(true);
    }
});
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JTextField barcode;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
public javax.swing.JComboBox<String> quantity;
private javax.swing.JLabel total_amount;
// End of variables declaration//GEN-END:variables
private void refresh(){
    String sql = "select * from sales";
    try{
pre=con.prepareStatement(sql);
res=pre.executeQuery();
jTable1.setModel(DbUtils.resultSetToTableModel(res));
    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e.getMessage(),"Error",2);
    }
}
}

```

```

private void update_quantity(){
    String sql = "update drugs set QUANTITY='"+rest_drug+"' where BARCODE='"+barcode.getText()+" ";
    try {
        pre=con.prepareStatement(sql);
        pre.execute();
    } catch (Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
private void get_Total(){
    double amount=0;
    String sql = "select AMOUNT from sales";
    try {
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        while(res.next()){
            amount += Double.parseDouble(res.getString("AMOUNT"));
            total_amount.setText(String.valueOf(amount)+"$");
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
        }
    }
}
private boolean check_Bill(){
    boolean found = false ;
    String sql = "select BARCODE,QUANTITY from sales where BARCODE ='"+barcode.getText()+" and
QUANTITY='"+quantity.getSelectedText()+" ";
    try {
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        if(res.next()){
            found=true;
        }
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }
}
return found;}
}

```

## 11. USER DETAILS

```

package main;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

public class User extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pre= null;
    ResultSet res= null;
    String t ;
    public User() {
        initComponents();
        con=Connect.connect();
    }
}

```



```

    refresh();
}

/**
 * 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">//GEN-BEGIN: initComponents
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    day = new javax.swing.JComboBox<>();
    phone = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    address = new javax.swing.JTextArea();
    jLabel2 = new javax.swing.JLabel();
    name = new javax.swing.JTextField();
    salary = new javax.swing.JTextField();
    month = new javax.swing.JComboBox<>();
    jLabel4 = new javax.swing.JLabel();
    year = new javax.swing.JComboBox<>();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    password = new javax.swing.JPasswordField();
    jLabel8 = new javax.swing.JLabel();
    id = new javax.swing.JTextField();
    jSeparator1 = new javax.swing.JSeparator();
    jPanel4 = new javax.swing.JPanel();
    deleteuser = new javax.swing.JButton();
    adduser = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    updateuser = new javax.swing.JButton();
    jButton6 = new javax.swing.JButton();
    jPanel5 = new javax.swing.JPanel();
    jScrollPane2 = new javax.swing.JScrollPane();
    users = new javax.swing.JTable();
    jPanel6 = new javax.swing.JPanel();
    jLabel9 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    setTitle("User Form");
    setResizable(false);

    jPanel1.setBackground(new java.awt.Color(51, 51, 51));
    jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

    jPanel2.setBackground(new java.awt.Color(102, 102, 102));

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N

```

```

jLabel1.setText("User Form");

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(398, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel1)
            .addGap(392, 392, 392))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(20, 20, 20)
            .addComponent(jLabel1)
            .addGap(24, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

jPanel3.setBackground(new java.awt.Color(51, 51, 51));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "User Details",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Tahoma", 1, 12), new java.awt.Color(255, 255, 255))); // NOI18N
jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("DOB : ");
jPanel3.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 113, -1, -1));

day.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Day : ", "1", "2", "3", "4", "5", "6", "7", "8",
    "9", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29", "30",
    "31" }));
jPanel3.add(day, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 110, -1, -1));
jPanel3.add(phone, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 243, 188, -1));

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Phone : ");
jPanel3.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 246, -1, -1));

address.setColumns(20);
address.setRows(5);
jScrollPane1.setViewportView(address);

jPanel3.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 148, 188, 72));

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("User_Name : ");
jPanel3.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 72, -1, -1));
jPanel3.add(name, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 69, 188, -1));
jPanel3.add(salary, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 291, 188, -1));

month.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Month : ", "1", "2", "3", "4", "5", "6", "7",
    "8", "9", "10", "11", "12" }));
jPanel3.add(month, new org.netbeans.lib.awtextra.AbsoluteConstraints(211, 110, -1, -1));

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N

```

```

jLabel4.setText("Address : ");
jPanel3.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 160, -1, -1));

year.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Year : ", "1970", "1971", "1972", "1973",
"1974", "1975", "1976", "1977", "1978", "1979", "1980", "1981", "1982", "1983", "1984", "1985", "1986", "1987", "1988",
"1989", "1990", "1991", "1992", "1993", "1994", "1995", "1996", "1997", "1998", "1999", "2000", "2001", "2002", "2003",
"2004", "2005", "2006", " " }));
jPanel3.add(year, new org.netbeans.lib.awtextra.AbsoluteConstraints(282, 110, -1, -1));

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel6.setText("Salary : ");
jPanel3.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 294, -1, -1));

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel7.setText("Password : ");
jPanel3.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 341, -1, -1));
jPanel3.add(password, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 338, 188, -1));

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel8.setText("User_Id : ");
jPanel3.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(16, 31, -1, -1));
jPanel3.add(id, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 28, 188, -1));

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(24, 91, 406, 390));
jPanel1.add(jSeparator1, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 490, 406, -1));

jPanel4.setBackground(new java.awt.Color(51, 51, 51));
jPanel4.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));
jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

deleteuser.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
deleteuser.setText("Delete User");
deleteuser.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        deleteuserActionPerformed(evt);
    }
});
jPanel4.add(deleteuser, new org.netbeans.lib.awtextra.AbsoluteConstraints(220, 13, -1, -1));

adduser.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
adduser.setText("Add User");
adduser.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adduserActionPerformed(evt);
    }
});
jPanel4.add(adduser, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 13, 89, -1));

jButton4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton4.setText("Clear");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});
jPanel4.add(jButton4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 50, 90, -1));

updateuser.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N

```

```

updateuser.setText("Update User");
updateuser.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updateuserActionPerformed(evt);
    }
});
jPanel4.add(updateuser, new org.netbeans.lib.awtextra.AbsoluteConstraints(107, 13, -1, -1));

jButton6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton6.setText("Cancel");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});
jPanel4.add(jButton6, new org.netbeans.lib.awtextra.AbsoluteConstraints(325, 13, -1, -1));

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 510, 406, 80));

jPanel5.setBackground(new java.awt.Color(51, 51, 51));
jPanel5.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Users Table",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Tahoma", 1, 12), new java.awt.Color(255, 255, 255))); // NOI18N

users.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
users.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 [] {
        "ID", "NAME", "DOB", "ADDRESS", "PHONE", "SALARY"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
users.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        usersMouseClicked(evt);
    }
});
jScrollPane2.setViewportViewView(users);
if (users.getColumnModel().getColumnCount() > 0) {
    users.getColumnModel().getColumn(0).setResizable(false);
    users.getColumnModel().getColumn(1).setResizable(false);
    users.getColumnModel().getColumn(2).setResizable(false);
    users.getColumnModel().getColumn(3).setResizable(false);
    users.getColumnModel().getColumn(4).setResizable(false);
    users.getColumnModel().getColumn(5).setResizable(false);
}

```

```

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
            .addGap(10, 10, 10)
        )
);
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT_SIZE, 365, Short.MAX_VALUE)
            .addGap(10, 10, 10)
        )
);

jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(436, 91, 467, -1));

jPanel6.setBackground(new java.awt.Color(51, 51, 51));
jPanel6.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(255, 255, 255)));

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel9.setText("(1-) User_Password Should be at least 6 Charcters");

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel10.setText("(2-) User_ID is Non-Adjustable , thanks");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel11.setText("Notes : ");

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel10)
                .addComponent(jLabel9)
                .addComponent(jLabel11))
            .addGap(141, 141, 141)
        )
);
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel11)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel9)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel10)
            .addGap(10, 10, 10)
        )
);

jPanel1.add(jPanel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(440, 510, 460, 80));

```

```

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 613, Short.MAX_VALUE)
    );

    setSize(new java.awt.Dimension(929, 652));
    setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_jButton4ActionPerformed
    id.setText("");
    password.setText("");
    name.setText("");
    address.setText("");
    phone.setText("");
    salary.setText("");
    day.setSelectedIndex(0);
    month.setSelectedIndex(0);
    year.setSelectedIndex(0);
} // GEN-LAST:event_jButton4ActionPerformed

private void addUserActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_addUserActionPerformed
    if(id.getText().equals("") || name.getText().equals("") || day.getSelectedIndex() == 0 ||
month.getSelectedIndex() == 0 || year.getSelectedIndex() == 0 || address.getText().equals("") ||
phone.getText().equals("") || password.getText().equals("") ||
salary.getText().equals("")) {
        JOptionPane.showMessageDialog(null, "Complete Your Information", "Missing Information", 2);
    }
    else if(!checkid()) {
        if(password.getText().length() < 6) {
            JOptionPane.showMessageDialog(null, "User Password Should be at least 6 Characters", "Wrong Operation", 2);
        }
        else {
            String sql = "insert into users (ID,NAME,DOB,ADDRESS,PHONE,SALARY,PASSWORD) values ("
            + id.getText() + " , " + name.getText() + " , " + day.getSelectedItem() + " - " + month.getSelectedItem() + " - " + year.getSelectedItem() + " "
            + address.getText() + " , " + phone.getText() + " , " + salary.getText() + " , " + password.getText() + " )";
            try {
                pre = con.prepareStatement(sql);
                pre.execute();
                JOptionPane.showMessageDialog(null, "User has been Added Successfully", "Success", 1);
                clear();
            } catch (Exception e) {
                JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
            }
            refresh();
        }
    }
    else {
        JOptionPane.showMessageDialog(null, "User is Already inserted", "Wrong Operation", 2);
    }
} // GEN-LAST:event_addUserActionPerformed

private void deleteUserActionPerformed(java.awt.event.ActionEvent evt) { // GEN-FIRST:event_deleteUserActionPerformed
    if(id.getText().equals("")) {
        JOptionPane.showMessageDialog(null, "Enter ID You Want to delete", "Missing Information", 2);
    }
    else if(checkid()) {
        String sql = "delete from users where ID=" + id.getText() + " ";
    }
}

```

```

try{
    int check = JOptionPane.showConfirmDialog(null,"Are You Sure From Deleting This User");
    if(check==0){
        pre=con.prepareStatement(sql);
        pre.execute();
        JOptionPane.showMessageDialog(null,"User has been Deleted Successfully","Success",1);
    } }catch(Exception e){
        JOptionPane.showMessageDialog(null, e.getMessage(),"Error",2);
    }
refresh();}else {
    JOptionPane.showMessageDialog(null,"User is not Found","Wrong Operation",2);
}
} //GEN-LAST:event_deleteuserActionPerformed

private void updateUserActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_updateuserActionPerformed
if(id.getText().equals("")||name.getText().equals("")||day.getSelectedIndex()==0||
month.getSelectedIndex()==0||year.getSelectedIndex()==0||address.getText().equals("")||
phone.getText().equals("")||salary.getText().equals("")){
    JOptionPane.showMessageDialog(null,"Complete Your Information","Missing Information",2);
} else {
    String sql = "update users set NAME='"+name.getText()+"',ADDRESS='"+address.getText()+"',PHONE='"+phone.getText()+"'
,SALARY='"+salary.getText()+"' where ID='"+id.getText()+"' ";
    try{
        pre=con.prepareStatement(sql);
        pre.execute();
        JOptionPane.showMessageDialog(null,"User has been added Successfully","Success",1);
    } catch(Exception e){
        JOptionPane.showMessageDialog(null, e.getMessage(),"Error",2);
    }refresh();}
} //GEN-LAST:event_updateuserActionPerformed

private void usersMouseClicked(java.awt.event.MouseEvent evt) { //GEN-FIRST:event_usersMouseClicked
int row = users.getSelectedRow();
t = users.getModel().getValueAt(row,0).toString();
String sql = "select * from users where ID='"+t+"' ";
try{
    pre=con.prepareStatement(sql);
    res=pre.executeQuery();
    if(res.next()){
        String Id = res.getString("ID");
        id.setText(Id);

        String Name = res.getString("NAME");
        name.setText(Name);

        String Day = res.getString("DOB").split("-")[0];
        day.setSelectedItem(Day);
        String Month = res.getString("DOB").split("-")[1];
        month.setSelectedItem(Month);
        String Year = res.getString("DOB").split("-")[2];
        year.setSelectedItem(Year);

        String Address = res.getString("ADDRESS");
        address.setText(Address);

        String Phone = res.getString("PHONE");
        phone.setText(Phone);

```

```

String Salary = res.getString("SALARY");
salary.setText(Salary);

String Password = res.getString("PASSWORD");
password.setText(Password);
password.setEchoChar('*');
}
} catch (Exception e) {
    JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
}
} //GEN-LAST:event_usersMouseClicked

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton6ActionPerformed
this.dispose();
} //GEN-LAST:event_jButton6ActionPerformed

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(User.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(User.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(User.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(User.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 User().setVisible(true);
    }
});
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JTextArea address;
public javax.swing.JButton adduser;
public static javax.swing.JComboBox<String> day;
public javax.swing.JButton deleteuser;
public static javax.swing.JTextField id;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton6;
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 jLabel6;
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.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JSeparator jSeparator1;
public static javax.swing.JComboBox<String> month;
private javax.swing.JTextField name;
private javax.swing.JPasswordField password;
private javax.swing.JTextField phone;
private javax.swing.JTextField salary;
public javax.swing.JButton updateUser;
private javax.swing.JTable users;
public static javax.swing.JComboBox<String> year;
// End of variables declaration//GEN-END:variables

private boolean checkid(){
    boolean check =false;
    String sql = "select ID from users where ID='"+id.getText()+"' ";
    try{
        pre=con.prepareStatement(sql);
        res=pre.executeQuery();
        if(res.next()){
            check=true;
        }
    }catch(Exception e){
        JOptionPane.showMessageDialog(null,e.getMessage(),"Error",2);
    }return check;
}

private void refresh(){
    String sql = "select ID,NAME,DOB,ADDRESS,PHONE,SALARY from users";
    try{
pre=con.prepareStatement(sql);
res=pre.executeQuery();
users.setModel(DbUtils.resultSetToTableModel(res));
    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e.getMessage(),"Error",2);
    }
}

private void clear(){
    id.setText("");
    name.setText("");
    address.setText("");
    phone.setText("");
    salary.setText("");
    password.setText("");
}

```

```

    day.setSelectedIndex(0);
    month.setSelectedIndex(0);
    year.setSelectedIndex(0);
}
}

```

## 13. SQL

```

-- phpMyAdmin SQL Dump
-- version 4.5.1
-- http://www.phpmyadmin.net
--
-- Host: 127.0.0.1
-- Generation Time: Apr 03, 2018 at 09:09 PM
-- Server version: 10.1.16-MariaDB
-- PHP Version: 5.6.24

```

```

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";

```

```

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

```

```

--
-- Database: `pharmacy`
--

```

```

-----

```

```

--
-- Table structure for table `company`
--

```

```

CREATE TABLE `company` (
  `NAME` varchar(50) NOT NULL,
  `ADDRESS` varchar(50) NOT NULL,
  `PHONE` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

--
-- Dumping data for table `company`
--

```

```

INSERT INTO `company` (`NAME`, `ADDRESS`, `PHONE`) VALUES
('Elshark', 'Egypt\nElmansoura', '12903'),
('El_Horia', 'Damanhour\nShobra\nBus_Station', '01289078443'),
('Med_City', 'Damanhour \nShobra \nBus Station', '010114367832');

```

```

-----

```

```

--
-- Table structure for table `drugs`
--

```

```

CREATE TABLE `drugs` (

```

```

`NAME` varchar(50) NOT NULL,
`TYPE` varchar(20) NOT NULL,
`BARCODE` varchar(20) NOT NULL,
`DOSE` varchar(10) NOT NULL,
`CODE` varchar(10) NOT NULL,
`COST_PRICE` double NOT NULL,
`SELLING_PRICE` double NOT NULL,
`EXPIRY` varchar(20) NOT NULL,
`COMPANY_NAME` varchar(50) NOT NULL,
`PRODUCTION_DATE` date NOT NULL,
`EXPIRATION_DATE` date NOT NULL,
`PLACE` varchar(20) NOT NULL,
`QUANTITY` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

--
-- Dumping data for table `drugs`
--

```

```

INSERT INTO `drugs` (`NAME`, `TYPE`, `BARCODE`, `DOSE`, `CODE`, `COST_PRICE`, `SELLING_PRICE`, `EXPIRY`,
`COMPANY_NAME`, `PRODUCTION_DATE`, `EXPIRATION_DATE`, `PLACE`, `QUANTITY`) VALUES
('Novalo', 'Bills', 'fsdgjfhjorodsf', 'normal', '3d00', 2, 3, 'Available for use', 'Med_City', '2017-03-03', '2019-03-03', 'N-Right', 40),
('novafol', 'Bills', 'ftrkl432432md', 'normal', '2xaa', 33, 40, 'Available for use', 'Med_City', '2016-01-01', '2017-01-01', 'N-Left',
27);

```

```

-----

```

```

--
-- Table structure for table `expiry`
--

```

```

CREATE TABLE `expiry` (
  `PRODUCT_NAME` varchar(50) NOT NULL,
  `PRODUCT_CODE` varchar(20) NOT NULL,
  `DATE_OF_EXPIRY` varchar(10) NOT NULL,
  `QUANTITY_REMAIN` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

-----

```

```

--
-- Table structure for table `history_sales`
--

```

```

CREATE TABLE `history_sales` (
  `USER_NAME` varchar(20) NOT NULL,
  `BARCODE` varchar(20) NOT NULL,
  `NAME` varchar(50) NOT NULL,
  `TYPE` varchar(10) NOT NULL,
  `DOSE` varchar(10) NOT NULL,
  `QUANTITY` int(11) NOT NULL,
  `PRICE` double NOT NULL,
  `AMOUNT` double NOT NULL,
  `DATE` varchar(15) NOT NULL,
  `TIME` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

--

```

-- Dumping data for table `history\_sales`

--

```
INSERT INTO `history_sales` (`USER_NAME`, `BARCODE`, `NAME`, `TYPE`, `DOSE`, `QUANTITY`, `PRICE`,  
`AMOUNT`, `DATE`, `TIME`) VALUES
```

```
('Ebrahim Samer', 'sgnfsjksfnsdjfkb', 'Breofin', 'Bills', 'Free used', 2, 6, 12, '12-02-2017', '05:02:06'),  
( 'Ebrahim Samer', 'sgnfsjksfnsdjfkb', 'Breofin', 'Bills', 'Free used', 2, 6, 12, '12-02-2017', '05:02:26'),  
( 'Ebrahim Samer', 'sgnfsjksfnsdjfkb', 'Breofin', 'Bills', 'Free used', 4, 6, 24, '12-02-2017', '05:02:40'),  
( 'Ebrahim Samer', 'nbhdl4978549', 'Morfin', 'Injection', '1 (Day)', 2, 14, 28, '13-02-2017', '01:38:00'),  
( 'Ebrahim Samer', 'nbhdl4978549', 'Morfin', 'Injection', '1 (Day)', 2, 14, 28, '13-02-2017', '01:38:10'),  
( 'Ebrahim Samer', 'nbhdl4978549', 'Morfin', 'Injection', '1 (Day)', 7, 14, 98, '13-02-2017', '01:38:28'),  
( 'Ebrahim Samer', 'nbhdl4978549', 'Morfin', 'Injection', '1 (Day)', 1, 14, 14, '13-02-2017', '01:38:46'),  
( 'Shimaa Ahmed', 'sgnfsjksfnsdjfkb', 'Breofin', 'Bills', 'Free used', 2, 6, 12, '13-02-2017', '01:59:34'),  
( 'Shimaa Ahmed', 'sgnfsjksfnsdjfkb', 'Breofin', 'Bills', 'Free used', 5, 6, 30, '13-02-2017', '01:59:43'),  
( 'Ebrahim Samer', 'sgnfsjksfnsdjfkb', 'Breofin', 'Bills', 'Free used', 1, 6, 6, '13-02-2017', '02:12:33'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 2, 14, 28, '17-02-2017', '09:55:43'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 2, 14, 28, '17-02-2017', '09:55:58'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 5, 14, 70, '17-02-2017', '09:56:11'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 2, 17, 34, '17-02-2017', '10:04:58'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 2, 17, 34, '17-02-2017', '10:05:15'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 5, 17, 85, '17-02-2017', '10:05:26'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 4, 20, 80, '18-02-2017', '11:16:08'),  
( 'Ebrahim Samer', 'fsdjkbdfjkffds', 'Declofien', 'Injection', 'Free', 4, 20, 80, '18-02-2017', '11:16:28'),  
( 'Ebrahim Samer', 'AnyBarcodedaf', 'AnyName', 'Drink', '2 Days', 4, 14, 56, '18-02-2017', '11:17:06'),  
( 'Ebrahim Samer', 'AnyBarcodedaf', 'AnyName', 'Drink', '2 Days', 4, 14, 56, '18-02-2017', '11:17:15'),  
( 'Ebrahim Samer', 'AnyBarcodedaf', 'AnyName', 'Drink', '2 Days', 7, 14, 98, '18-02-2017', '11:17:24'),  
( 'Shimaa Ahmed', 'AnyBarcodedaf', 'AnyName', 'Drink', '2 Days', 6, 14, 84, '18-02-2017', '11:18:29'),  
( 'Shimaa Ahmed', 'AnyBarcodedaf', 'AnyName', 'Drink', '2 Days', 2, 14, 28, '18-02-2017', '11:18:41'),  
( 'Shimaa Ahmed', 'AnyBarcodedaf', 'AnyName', 'Drink', '2 Days', 2, 14, 28, '18-02-2017', '11:18:45'),  
( 'Ebrahim Samer', 'ftrkl432432md', 'novafol', 'Bills', 'normal', 2, 40, 80, '14-04-2017', '04:50:32'),  
( 'Ebrahim Samer', 'ftrkl432432md', 'novafol', 'Bills', 'normal', 2, 40, 80, '14-04-2017', '04:50:53'),  
( 'Ebrahim Samer', 'ftrkl432432md', 'novafol', 'Bills', 'normal', 6, 40, 240, '14-04-2017', '04:51:01'),  
( 'Ebrahim Samer', 'ftrkl432432md', 'novafol', 'Bills', 'normal', 1, 40, 40, '03-05-2017', '03:33:30'),  
( 'Ebrahim Samer', 'ftrkl432432md', 'novafol', 'Bills', 'normal', 1, 40, 40, '03-05-2017', '03:33:36'),  
( 'Ebrahim Samer', 'ftrkl432432md', 'novafol', 'Bills', 'normal', 1, 40, 40, '03-05-2017', '03:33:41');
```

-----

--

-- Table structure for table `inbox`

--

```
CREATE TABLE `inbox` (  
  `MESSAGE_FROM` varchar(20) NOT NULL,  
  `MESSAGE_TO` varchar(20) NOT NULL,  
  `MESSAGE_TEXT` varchar(200) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

--

-- Dumping data for table `inbox`

--

```
INSERT INTO `inbox` (`MESSAGE_FROM`, `MESSAGE_TO`, `MESSAGE_TEXT`) VALUES
```

```
('Ebrahim Samer', 'Shimaa Ahmed', 'Welcome shimaa'),  
( 'Shimaa Ahmed', 'Ebrahim Samer', 'Welcome sir'),  
( 'Ebrahim Samer', 'Shimaa Ahmed', 'Hay , Shimaa '),  
( 'Shimaa Ahmed', 'Ebrahim Samer', 'Hay Doctor Ebrahim'),  
( 'Shimaa Ahmed', 'Ebrahim Samer', 'Welcome Doctor Ebrahim'),
```

```

('Ebrahim Samer', 'Shimaa Ahmed', 'Hello , Shimaa'),
('Ebrahim Samer', 'Shimaa Ahmed', 'Shimaa , Please go and update\nthe drug roof'),
('Ebrahim Samer', 'Ali Mostafa', 'Welcome'),
('Ebrahim Samer', 'Shimaa Ahmed', 'This is your salary on the disk , \n3000 , close in 12 ; good luck'),
('Ebrahim Samer', 'Shimaa Ahmed', 'good job meet me in five'),
('Shimaa Ahmed', 'Ebrahim Samer', 'Ok i will '),
('Ebrahim Samer', 'Shimaa Ahmed', 'gdfgfdgfdgfdg'),
('Ebrahim Samer', 'Shimaa Ahmed', 'haaaaaaaaaaaaaai'),
('Ebrahim Samer', 'Shimaa Ahmed', 'What is wrong ? '),
('Shimaa Ahmed', 'Ebrahim Samer', 'I am okay thanks ');

```

```

-----

```

```

--
-- Table structure for table `login`
--

```

```

CREATE TABLE `login` (
  `NAME` varchar(50) NOT NULL,
  `TYPE` varchar(20) NOT NULL,
  `DATE` varchar(20) NOT NULL,
  `TIME` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

--
-- Dumping data for table `login`
--

```

```

INSERT INTO `login` (`NAME`, `TYPE`, `DATE`, `TIME`) VALUES
('Prajein', 'Employee', '14-11-2024', '10:30:24'),
('Ebrahim Samer', 'Admin', '17-02-2017', '10:30:24'),
('Ebrahim Samer', 'Admin', '17-02-2017', '10:32:48'),
('Shimaa Ahmed', 'Employee', '17-02-2017', '10:32:56'),
('Ebrahim Samer', 'Admin', '17-02-2017', '10:33:10'),
('Shimaa Ahmed', 'Employee', '17-02-2017', '10:33:37'),
('Ebrahim Samer', 'Admin', '17-02-2017', '10:36:21'),
('Ebrahim Samer', 'Admin', '17-02-2017', '10:36:53'),
('Ebrahim Samer', 'Admin', '17-02-2017', '10:49:27'),
('Ebrahim Samer', 'Admin', '17-02-2017', '11:02:23'),
('Ebrahim Samer', 'Admin', '17-02-2017', '01:40:08'),
('Ebrahim Samer', 'Admin', '18-02-2017', '10:50:29'),
('Ebrahim Samer', 'Admin', '18-02-2017', '10:51:50'),
('Ebrahim Samer', 'Admin', '18-02-2017', '10:53:33'),
('Ebrahim Samer', 'Admin', '18-02-2017', '10:58:41'),
('Ebrahim Samer', 'Admin', '18-02-2017', '11:15:39'),
('Shimaa Ahmed', 'Employee', '18-02-2017', '11:18:19'),
('Ebrahim Samer', 'Admin', '18-02-2017', '11:23:25'),
('Shimaa Ahmed', 'Employee', '18-02-2017', '11:24:19'),
('Ebrahim Samer', 'Admin', '04-04-2017', '06:32:57'),
('Shimaa Ahmed', 'Employee', '04-04-2017', '06:39:00'),
('Ebrahim Samer', 'Admin', '13-04-2017', '02:57:26'),
('Ebrahim Samer', 'Admin', '13-04-2017', '03:06:11'),
('Ebrahim Samer', 'Admin', '13-04-2017', '03:08:31'),
('Ebrahim Samer', 'Admin', '13-04-2017', '03:09:40'),
('Ebrahim Samer', 'Admin', '13-04-2017', '03:13:24'),
('Ebrahim Samer', 'Admin', '13-04-2017', '05:04:26'),
('Ebrahim Samer', 'Admin', '13-04-2017', '05:07:20'),
('Ebrahim Samer', 'Admin', '13-04-2017', '05:10:11'),

```

('Ebrahim Samer', 'Admin', '13-04-2017', '05:21:53'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:11:57'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:13:44'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:17:42'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:19:38'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:22:00'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:28:37'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:30:48'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:35:00'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:39:54'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:41:53'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:44:29'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:47:08'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:48:24'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:49:36'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:51:28'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '05:53:15'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '06:22:53'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '06:30:59'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:32:24'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:40:18'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:43:43'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:46:41'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:48:26'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:49:19'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '02:52:01'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '02:58:36'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '03:14:22'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '03:17:23'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '03:19:28'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '03:27:34'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '04:49:24'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '04:55:06'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:01:50'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:03:59'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:14:50'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:17:01'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:17:50'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:21:19'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:23:30'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:26:03'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:28:53'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:32:36'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:35:04'),  
('Shimaa Ahmed', 'Employee', '14-04-2017', '05:37:17'),  
('Ebrahim Samer', 'Admin', '14-04-2017', '07:19:33'),  
('Shimaa Ahmed', 'Employee', '15-04-2017', '02:03:12'),  
('Ebrahim Samer', 'Admin', '15-04-2017', '02:47:28'),  
('Ebrahim Samer', 'Admin', '15-04-2017', '02:56:16'),  
('Ebrahim Samer', 'Admin', '15-04-2017', '03:06:20'),  
('Ebrahim Samer', 'Admin', '15-04-2017', '03:36:58'),  
('Ebrahim Samer', 'Admin', '15-04-2017', '03:42:44'),  
('Ebrahim Samer', 'Admin', '03-05-2017', '01:23:14'),  
('Ebrahim Samer', 'Admin', '03-05-2017', '01:51:20'),  
('Ebrahim Samer', 'Admin', '03-05-2017', '01:52:35'),  
('Ebrahim Samer', 'Admin', '03-05-2017', '03:31:40'),  
('Ebrahim Samer', 'Admin', '03-05-2017', '03:47:32'),  
('Ebrahim Samer', 'Admin', '05-05-2017', '01:24:00'),

```
(('Ebrahim Samer', 'Admin', '05-05-2017', '03:06:19'),
('Ebrahim Samer', 'Admin', '05-05-2017', '07:54:02'),
('Shimaa Ahmed', 'Employee', '05-05-2017', '07:55:52'),
('Ebrahim Samer', 'Admin', '05-05-2017', '08:01:50'),
('Ebrahim Samer', 'Admin', '05-05-2017', '08:02:44'),
('Ebrahim Samer', 'Admin', '05-05-2017', '08:05:37'),
('Ebrahim Samer', 'Admin', '05-05-2017', '08:07:37'),
('Shimaa Ahmed', 'Employee', '05-05-2017', '08:09:23'),
('Ebrahim Samer', 'Admin', '05-05-2017', '08:14:18'),
('Shimaa Ahmed', 'Employee', '05-05-2017', '08:15:44'),
('Ebrahim Samer', 'Admin', '05-05-2017', '08:16:15'),
('Ebrahim Samer', 'Admin', '06-05-2017', '09:51:33'),
('Shimaa Ahmed', 'Employee', '06-05-2017', '09:52:46'),
('Shimaa Ahmed', 'Employee', '06-05-2017', '09:54:33'),
('Ebrahim Samer', 'Admin', '07-05-2017', '04:44:39'),
('Ebrahim Samer', 'Admin', '07-05-2017', '10:02:15'),
('Ebrahim Samer', 'Admin', '07-05-2017', '10:12:11'),
('Ebrahim Samer', 'Admin', '27-05-2017', '03:53:36'),
('Ebrahim Samer', 'Admin', '27-05-2017', '03:54:05'),
('Ebrahim Samer', 'Admin', '27-05-2017', '04:05:04'),
('Shimaa Ahmed', 'Employee', '27-05-2017', '04:06:02'),
('Ebrahim Samer', 'Admin', '30-05-2017', '03:13:41'),
('Ebrahim Samer', 'Admin', '31-05-2017', '10:57:35'),
('Ebrahim Samer', 'Admin', '31-05-2017', '11:00:02'),
('Ebrahim Samer', 'Admin', '31-05-2017', '11:06:32'),
('Ebrahim Samer', 'Admin', '07-06-2017', '08:38:00'),
('Ebrahim Samer', 'Admin', '07-06-2017', '08:40:43'),
('Ebrahim Samer', 'Admin', '07-06-2017', '08:41:28'),
('Shimaa Ahmed', 'Employee', '19-09-2017', '06:10:07'),
('Ebrahim Samer', 'Admin', '07-10-2017', '04:39:50'),
('Ebrahim Samer', 'Admin', '07-10-2017', '04:40:39'),
('Ebrahim Samer', 'Admin', '21-11-2017', '09:06:10'),
('Ebrahim Samer', 'Admin', '21-11-2017', '09:15:39'),
('Shimaa Ahmed', 'Employee', '14-12-2017', '02:56:45'),
('Ebrahim Samer', 'Admin', '24-03-2018', '07:20:36'),
('Ebrahim Samer', 'Admin', '24-03-2018', '08:47:14'),
('Ebrahim Samer', 'Admin', '24-03-2018', '08:51:01'),
('Shimaa Ahmed', 'Employee', '24-03-2018', '08:52:17'),
('Ebrahim Samer', 'Admin', '24-03-2018', '08:52:50');
```

```
-----
```

```
--
-- Table structure for table `message_history`
--
```

```
CREATE TABLE `message_history` (
  `MESSAGE_FROM` varchar(20) NOT NULL,
  `MESSAGE_TO` varchar(20) NOT NULL,
  `MESSAGE_TEXT` varchar(200) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
-----
```

```
--
-- Table structure for table `purchase`
--
```

```

CREATE TABLE `purchase` (
  `BARCODE` varchar(20) NOT NULL,
  `NAME` varchar(50) NOT NULL,
  `TYPE` varchar(20) NOT NULL,
  `COMPANY_NAME` varchar(20) NOT NULL,
  `QUANTITY` int(11) NOT NULL,
  `PRICE` double NOT NULL,
  `AMOUNT` double NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `purchase`
--

INSERT INTO `purchase` (`BARCODE`, `NAME`, `TYPE`, `COMPANY_NAME`, `QUANTITY`, `PRICE`, `AMOUNT`) VALUES
('fsdgjfhjorodsf', 'Novalo', 'Bills', 'Med_City', 40, 2, 80);

-----

--
-- Table structure for table `sales`
--

CREATE TABLE `sales` (
  `BARCODE` varchar(20) NOT NULL,
  `NAME` varchar(50) NOT NULL,
  `TYPE` varchar(10) NOT NULL,
  `DOSE` varchar(10) NOT NULL,
  `QUANTITY` int(11) NOT NULL,
  `PRICE` double NOT NULL,
  `AMOUNT` double NOT NULL,
  `DATE` varchar(15) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-----

--
-- Table structure for table `users`
--

CREATE TABLE `users` (
  `ID` int(11) NOT NULL,
  `NAME` varchar(50) NOT NULL,
  `DOB` varchar(20) NOT NULL,
  `ADDRESS` varchar(100) NOT NULL,
  `PHONE` varchar(20) NOT NULL,
  `SALARY` double NOT NULL,
  `PASSWORD` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `users`
--

INSERT INTO `users` (`ID`, `NAME`, `DOB`, `ADDRESS`, `PHONE`, `SALARY`, `PASSWORD`) VALUES
(1, 'Awinthika S', '23-12-2005', 'Chennai/\r\nst/India', '01128284736', 5000, 'awin123'),
(2, 'Aboorvan', '3-2-2005', 'Damanhour/\nShobra', '01290789432', 2000, 'aboo123'),

```



```
(3, 'Prajein', '3-2-1971', 'Egypt\nElmanaoura', '01147893423', 4000, 'praj123'),
(4, 'Ali Mostafa', '7-8-1977', 'Egypt\nEl_mansoura\nshobra', '011804368743', 3000, 'alimohammed');
```

```
--
-- Indexes for dumped tables
--

--
-- Indexes for table `company`
--
ALTER TABLE `company`
  ADD PRIMARY KEY (`NAME`);

--
-- Indexes for table `drugs`
--
ALTER TABLE `drugs`
  ADD PRIMARY KEY (`BARCODE`);

--
-- Indexes for table `purchase`
--
ALTER TABLE `purchase`
  ADD PRIMARY KEY (`BARCODE`);

--
-- Indexes for table `users`
--
ALTER TABLE `users`
  ADD PRIMARY KEY (`ID`);

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

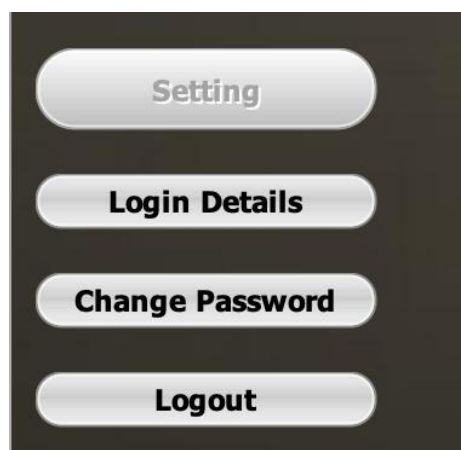
## 14. JAVA SQL CONNECTION

```
package main;

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

public class Connect {
    public static Connection connect(){
        try{
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3307/pharmacy", "admin", "admin");
            if(con!=null)return con ;
        }catch(Exception e){
            JOptionPane.showMessageDialog(null, e.getMessage(), "Error", 2);
        }
        return null ;
    }
}
```

## SNAPSHOTS



(a) settings

Company

## Company\_Form

**Company Information**

Compnay\_Name :

Compnay\_Address :

Compnay\_Phone :

| NAME     | ADDRESS           | PHONE        |
|----------|-------------------|--------------|
| Elshark  | Egypt/ Elmanso... | 12903        |
| El_Horia | Damanhour/ Sh...  | 01289078443  |
| Med_City | Damanhour / S...  | 010114367832 |

Save\_Info Update\_Info Delete\_Info Clear

Note : You must save Your Companys Information that You Want to Deal With

(b) Company form

Sale\_Bill

## Sale\_Bill Form

**Sale\_Bill Information**

Barcode :  Quantity :


| Barcode | Name | Type | Dose | Quantity | Price | Amount |
|---------|------|------|------|----------|-------|--------|
|         |      |      |      |          |       |        |
|         |      |      |      |          |       |        |
|         |      |      |      |          |       |        |
|         |      |      |      |          |       |        |

Total: 00.0\$

© sales bill form

Login

Login Form



Login Information

User\_ID :

User\_Password :

Login

Cancel

Note : Password should be at least 6 Characters

User Form

User Details

User\_Id :

User\_Name :

DOB :

Day : ▾Month : ▾Year : ▾

Address :

Phone :

Salary :

Password :

Users Table

| ID | NAME        | DOB        | ADDRESS      | PHONE      | SALARY   |
|----|-------------|------------|--------------|------------|----------|
| 1  | Awinthik... | 23-12-1... | Chennai/...  | 0112828... | 500000.0 |
| 2  | ABOORV...   | 3-2-1972   | Muscat/...   | 0129078... | 200000.0 |
| 3  | Ahmed Ali   | 3-2-1971   | Egypt/ El... | 0114789... | 4000.0   |
| 4  | Ali Mostafa | 7-8-1977   | Egypt/ El... | 0118043... | 3000.0   |

Add User

Update User

Delete User

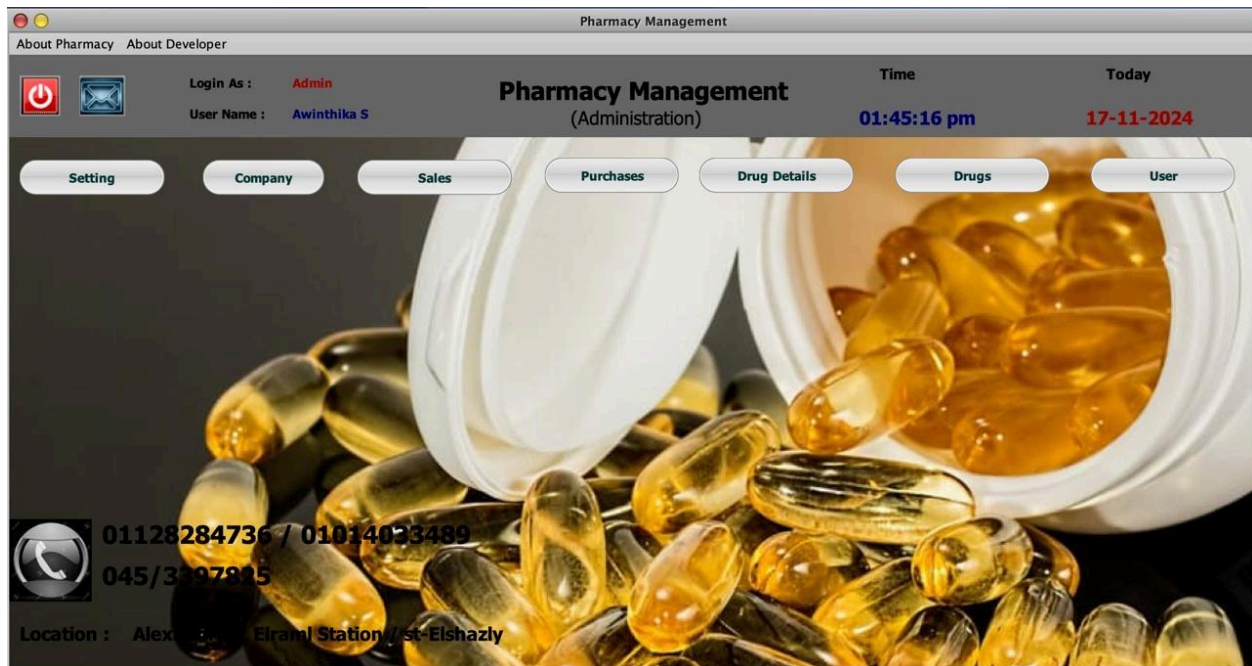
Cancel

Clear

Notes :

(1-) User\_Password Should be at least 6 Charcters  
(2-) User\_ID is Non-Adjustable , thanks

## (e) user form



Pharmacy Management

About Pharmacy About Developer

Login As : Admin

User Name : Awinthika S

Time 01:45:16 pm

Today 17-11-2024

Setting Company Sales Purchases Drug Details Drugs User

01128284736 / 01014033489

045/3997895

Location : Alexandria, Elraml Station / st-Elshazly

## (f) dashboard

Server: db » Database: pharmacy » Table: users

Browse Structure SQL Search Insert Export Import Operations Triggers

Showing rows 0 - 3 (4 total, Query took 0.0006 seconds.)

SELECT \* FROM `users`

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

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

Extra options

|   | ID | NAME                        | DOB        | ADDRESS                  | PHONE        | SALARY | PASSWORD    |
|---|----|-----------------------------|------------|--------------------------|--------------|--------|-------------|
| <input type="checkbox"/> Edit Copy Delete | 1  | Awinthika S                 | 23-12-1995 | Chennai/India            | 01128284736  | 500000 | awin123     |
| <input type="checkbox"/> Edit Copy Delete | 2  | ABOORVAN SHANMUGAPRIYA BABU | 3-2-1972   | Muscat/Oman              | 01290789432  | 200000 | aboorvan123 |
| <input type="checkbox"/> Edit Copy Delete | 3  | Ahmed Ali                   | 3-2-1971   | Egypt/Elmanaoura         | 01147893423  | 4000   | ahmedali    |
| <input type="checkbox"/> Edit Copy Delete | 4  | Ali Mostafa                 | 7-8-1977   | Egypt/El_mansoura/shobra | 011804368743 | 3000   | alimohammed |

☐ Check all | With selected: Edit Copy Delete Export

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

## (g) users table

**Company**

## Company\_Form

**Company Information**

Compnay\_Name :

Compnay\_Address :

Compnay\_Phone :

| NAME     | ADDRESS           | PHONE        |
|----------|-------------------|--------------|
| Elshark  | Egypt/ Elmanso... | 12903        |
| El_Horia | Damanhour/ Sh...  | 01289078443  |
| Med_City | Damanhour / S...  | 010114367832 |

Note : You must save Your Companys Information that You Want to Deal With

**(h) company form**

Server: db » Database: pharmacy

[Structure](#)
[SQL](#)
[Search](#)
[Query](#)
[Export](#)
[Import](#)
[Operations](#)
[Routines](#)
[Events](#)
[More](#)

**Filters**

Containing the word:

| Table                                    | Action                                      | Rows       | Type          | Collation                 | Size             |
|--|---|------------|---------------|---------------------------|------------------|
| <input type="checkbox"/> company         | ★ Browse Structure Search Insert Empty Drop | 3          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> drugs           | ★ Browse Structure Search Insert Empty Drop | 4          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> expiry          | ★ Browse Structure Search Insert Empty Drop | 0          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> history_sales   | ★ Browse Structure Search Insert Empty Drop | 30         | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> inbox           | ★ Browse Structure Search Insert Empty Drop | 15         | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> login           | ★ Browse Structure Search Insert Empty Drop | 142        | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> message_history | ★ Browse Structure Search Insert Empty Drop | 0          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> purchase        | ★ Browse Structure Search Insert Empty Drop | 1          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> sales           | ★ Browse Structure Search Insert Empty Drop | 0          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <input type="checkbox"/> users           | ★ Browse Structure Search Insert Empty Drop | 4          | InnoDB        | latin1_swedish_ci         | 16.0 KiB         |
| <b>10 tables</b>                         | <b>Sum</b>                                  | <b>199</b> | <b>InnoDB</b> | <b>utf8mb4_0900_ai_ci</b> | <b>160.0 KiB</b> |

**(i) pharmacy DB structure view in myphpadmin**

**Buy\_Drug Form**

**Buy Drugs**

Drug\_Barcode :  Quantity :

Drug\_Name :  Cost\_Price :

Drug\_Type :  Amount :

Company\_Name :

(j) buy drug form

**Drug Form**

**Drug Information**

Drug\_Name :  Company\_Name :

Drug\_Type :  Production\_Date :

Drug\_Barcode :  Expiration\_Date :

Drug\_Dose :  Drug\_Place :

Drug\_Code :  Drug\_Quantity :

Drug\_Cost\_Price :

Drug\_Selling\_Price :

(k) form to add drug

## CONCLUSION

The **Pharmacy Management System** provides an efficient and streamlined solution for managing pharmacy inventory, focusing on essential aspects such as medicine details, manufacturer information, expiration and manufacture dates, and pricing. Developed using Java Swing for the user interface, MySQL for the backend database, and Docker for deployment, this system is a robust, scalable application tailored for pharmacy needs. By automating the tracking and updating of medicine stock, the system minimizes manual workload, reduces errors, and ensures that accurate, up-to-date information is always available.

The integration of Docker containerization enhances the system's flexibility and ease of deployment, making it adaptable to various environments without compatibility issues. This approach not only saves time but also provides a stable, reliable platform for pharmacy staff. Overall, the Pharmacy Management System stands out as a user-friendly, highly functional application that significantly improves inventory management, supporting better organization, accuracy, and productivity in pharmacies.



## REFERENCES

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4. Example Pharmacy Management System Projects (for reference code and structure):

- [GitHub - Java Pharmacy Management System Examples](#)
- FreeProjectz - Pharmacy Management System Java Project