import java.awt.BorderLayout;  
import java.awt.Color;  
import java.awt.Font;  
import java.awt.GridLayout;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import javax.swing.JOptionPane;  
import javax.swing.\*;  
  
/\*  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template  
 \*/  
  
*/\*\**  
 *\**  
 *\* @author sominachi*  
 *\*/*  
public class FirstPage extends javax.swing.JFrame {  
  
 @SuppressWarnings("unchecked")  
 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 private void initComponents() {  
  
 jLabel1 = new javax.swing.JLabel();  
 jLabel2 = new javax.swing.JLabel();  
 jTextField1 = new javax.swing.JTextField();  
 jLabel3 = new javax.swing.JLabel();  
 jTextField2 = new javax.swing.JTextField();  
 jButton1 = new javax.swing.JButton();  
 jButton2 = new javax.swing.JButton();  
 jLabel4 = new javax.swing.JLabel();  
  
 setDefaultCloseOperation(javax.swing.WindowConstants.*EXIT\_ON\_CLOSE*);  
 //getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
  
 jLabel1.setFont(new java.awt.Font("Zapf Dingbats", 1, 48)); // NOI18N  
 jLabel1.setForeground(new java.awt.Color(255, 255, 255));  
 jLabel1.setText("LOGIN DETAILS");  
 jLabel1.setBorder(new javax.swing.border.MatteBorder(null));  
 //getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 90, -1, 39));  
  
 jLabel2.setFont(new java.awt.Font("Krub", 1, 18)); // NOI18N  
 jLabel2.setForeground(new java.awt.Color(255, 255, 255));  
 jLabel2.setText("NAME");  
 //getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(370, 230, -1, 20));  
 //getContentPane().add(jTextField1, new org.netbeans.lib.awtextra.AbsoluteConstraints(460, 220, 369, 45));  
  
 jLabel3.setFont(new java.awt.Font("Kailasa", 1, 18)); // NOI18N  
 jLabel3.setForeground(new java.awt.Color(255, 255, 255));  
 jLabel3.setText("MOBILE");  
 /\*getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(370, 310, -1, 20));  
 getContentPane().add(jTextField2, new org.netbeans.lib.awtextra.AbsoluteConstraints(460, 300, 369, 46));\*/  
  
 jButton1.setFont(new java.awt.Font("Yuanti TC", 1, 13)); // NOI18N  
 jButton1.setText("CONFIRM");  
 jButton1.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 jButton1ActionPerformed(evt);  
 }  
 });  
 //getContentPane().add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(730, 370, 102, 32));  
  
 jButton2.setFont(new java.awt.Font("Helvetica Neue", 1, 13)); // NOI18N  
 jButton2.setText("CLOSE");  
 jButton2.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 jButton2ActionPerformed(evt);  
 }  
 });  
 //getContentPane().add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(60, 50, 91, 32));  
  
 jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/backchoice\_1.png"))); // NOI18N  
 jLabel4.setMaximumSize(new java.awt.Dimension(1366, 768));  
 //getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1370, 770));  
  
 pack();  
 }// </editor-fold>//GEN-END:initComponents  
  
 private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed  
 *openChoice*();  
 }//GEN-LAST:event\_jButton1ActionPerformed  
  
 private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed  
 // *TODO add your handling code here:*  
int a = JOptionPane.*showConfirmDialog*(null, "Do you want TO CLOSE","Select",JOptionPane.*YES\_NO\_OPTION*);  
 if(a==0){  
 System.*exit*(0);  
 }  
 }//GEN-LAST:event\_jButton2ActionPerformed  
  
 private static void openChoice() {  
 // Open the Choice window  
 Choice choice = new Choice();  
 choice.setVisible(true);  
 }  
 public FirstPage() {  
 // Frame settings  
 setTitle("Login Details");  
 setSize(400, 300);  
 setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 setLocationRelativeTo(null);  
 setLayout(null);  
   
 // Background color  
 getContentPane().setBackground(new Color(10, 25, 45));  
   
 JLabel backgroundLabel = new JLabel(new javax.swing.ImageIcon(getClass().getResource("/images/backchoice.png")));  
 backgroundLabel.setLayout(null); // Set layout to null for custom positioning  
 setContentPane(backgroundLabel); // Set the backgroundLabel as content pane  
  
 // Title Label  
 JLabel titleLabel = new JLabel("LOGIN DETAILS");  
 titleLabel.setFont(new Font("SansSerif", Font.*BOLD*, 24));  
 titleLabel.setForeground(Color.*WHITE*);  
 titleLabel.setBounds(400, 375, 400, 50);  
 add(titleLabel);  
  
 // Name Label and Field  
 JLabel nameLabel = new JLabel("NAME");  
 nameLabel.setForeground(Color.*WHITE*);  
 nameLabel.setFont(new Font("SansSerif", Font.*BOLD*, 14));  
 nameLabel.setBounds(500, 500, 500, 70);  
 add(nameLabel);  
  
 JTextField nameField = new JTextField();  
 nameField.setBounds(150, 80, 200, 30);  
 add(nameField);  
  
 // Mobile Label and Field  
 JLabel mobileLabel = new JLabel("MOBILE");  
 mobileLabel.setForeground(Color.*WHITE*);  
 mobileLabel.setFont(new Font("SansSerif", Font.*BOLD*, 14));  
 mobileLabel.setBounds(50, 130, 100, 30);  
 add(mobileLabel);  
  
 JTextField mobileField = new JTextField();  
 mobileField.setBounds(150, 130, 200, 30);  
 add(mobileField);  
  
 // Confirm Button  
 JButton confirmButton = new JButton("CONFIRM");  
 confirmButton.setBounds(150, 180, 100, 30);  
 add(confirmButton);  
  
 // Close Button  
 JButton closeButton = new JButton("CLOSE");  
 closeButton.setBounds(10, 10, 80, 30);  
 add(closeButton);  
  
 // Action listeners for buttons  
 confirmButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 *openChoice*();  
 }  
 });  
  
 closeButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 int a = JOptionPane.*showConfirmDialog*(null, "Do you want TO CLOSE","Select",JOptionPane.*YES\_NO\_OPTION*);  
 if(a==0){  
 System.*exit*(0);  
 }  
 }  
 });  
 }  
  
   
   
  
  
   
   
  
 public static void main(String[] args) {  
 // Run the GUI in the Event-Dispatching Thread for thread safety  
 // Run the GUI in the Event-Dispatching Thread for thread safety  
 SwingUtilities.*invokeLater*(new Runnable() {  
 @Override  
 public void run() {  
 new FirstPage().setVisible(true);  
 }  
 });  
 }  
  
   
   
  
   
   
   
 // Mock method to validate login credentials (use real validation in production)  
 public static boolean validateCredentials(String username, String password) {  
 // Hardcoded credentials for demo purposes  
 String validUsername = "admin";  
 String validmobile = "1234567890";  
   
 return username.equals(validUsername) && password.equals(validmobile);  
 }  
   
   
 // Variables declaration - do not modify//GEN-BEGIN:variables  
 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.JTextField jTextField1;  
 private javax.swing.JTextField jTextField2;  
 // End of variables declaration//GEN-END:variables  
  
}

import java.awt.BorderLayout;  
import java.awt.GridLayout;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import javax.swing.JButton;  
import javax.swing.JFrame;  
import javax.swing.JOptionPane;  
import javax.swing.JPanel;  
import javax.swing.SwingUtilities;  
  
/\*  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template  
 \*/  
  
*/\*\**  
 *\**  
 *\* @author sominachi*  
 *\*/*  
public class Choice extends javax.swing.JFrame {  
  
 */\*\**  
 *\* Creates new form Choice*  
 *\*/*  
public Choice() {  
 initComponents();  
 }  
 private static void openUserInterface() {  
 // Open the Choice window  
 UserInterface User = new UserInterface();  
 User.setVisible(true);  
 }  
 */\*\**  
 *\* This method is called from within the constructor to initialize the form.*  
 *\* WARNING: Do NOT modify this code. The content of this method is always*  
 *\* regenerated by the Form Editor.*  
 *\*/*  
@SuppressWarnings("unchecked")  
 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 private void initComponents() {  
  
 jButton1 = new javax.swing.JButton();  
 jButton2 = new javax.swing.JButton();  
 jLabel2 = new javax.swing.JLabel();  
  
 setDefaultCloseOperation(javax.swing.WindowConstants.*EXIT\_ON\_CLOSE*);  
  
 jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/user.png"))); // NOI18N  
 jButton1.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 jButton1ActionPerformed(evt);  
 }  
 });  
  
 jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/imagephar.png"))); // NOI18N  
 jButton2.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 jButton2ActionPerformed(evt);  
 }  
 });  
  
 jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/backchoice.png"))); // NOI18N  
 jLabel2.setText("jLabel2");  
  
 javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
 getContentPane().setLayout(layout);  
 layout.setHorizontalGroup(  
 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(205, 205, 205)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*, false)  
 .addComponent(jButton1, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(jButton2, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*))  
 .addContainerGap(1491, Short.*MAX\_VALUE*))  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(0, 0, Short.*MAX\_VALUE*)  
 .addComponent(jLabel2)  
 .addGap(0, 0, Short.*MAX\_VALUE*)))  
 );  
 layout.setVerticalGroup(  
 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(71, 71, 71)  
 .addComponent(jButton1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 250, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addGap(44, 44, 44)  
 .addComponent(jButton2, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 242, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addContainerGap(385, Short.*MAX\_VALUE*))  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(0, 0, Short.*MAX\_VALUE*)  
 .addComponent(jLabel2)  
 .addGap(0, 0, Short.*MAX\_VALUE*)))  
 );  
  
 pack();  
 }// </editor-fold>//GEN-END:initComponents  
   
 private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed  
 *openUserInterface*();  
 }//GEN-LAST:event\_jButton1ActionPerformed  
  
 private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed  
 // *TODO add your handling code here:*  
 *openPharmacist*();  
 }//GEN-LAST:event\_jButton2ActionPerformed  
  
 private static void openPharmacist() {  
 // Open the Choice window  
 Pharmacist Pharmacist = new Pharmacist();  
 Pharmacist.setVisible(true);  
 }  
  
 */\*\**  
 *\* @param args the command line arguments*  
 *\*/*  
public static void main(String args[]) {  
 /\* Set the Nimbus look and feel \*/  
 //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">  
 /\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.  
 \* For details see <http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html>   
 \*/  
 try {  
 for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.*getInstalledLookAndFeels*()) {  
 if ("Nimbus".equals(info.getName())) {  
 javax.swing.UIManager.*setLookAndFeel*(info.getClassName());  
 break;  
 }  
 }  
 } catch (ClassNotFoundException ex) {  
 java.util.logging.Logger.*getLogger*(Choice.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (InstantiationException ex) {  
 java.util.logging.Logger.*getLogger*(Choice.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (IllegalAccessException ex) {  
 java.util.logging.Logger.*getLogger*(Choice.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (javax.swing.UnsupportedLookAndFeelException ex) {  
 java.util.logging.Logger.*getLogger*(Choice.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 }  
 //</editor-fold>  
 SwingUtilities.*invokeLater*(new Runnable() {  
 @Override  
 public void run() {  
 *showMainMenu*(); // Show the main menu with User and Pharmacist buttons  
 }  
 });  
   
 }  
 public static void showMainMenu() {  
 JFrame mainMenuFrame = new JFrame("Pharmacy Management System");  
 mainMenuFrame.setSize(400, 300);  
 mainMenuFrame.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 mainMenuFrame.setLocationRelativeTo(null); // Center the window  
  
 // Panel to hold buttons  
 JPanel mainMenuPanel = new JPanel();  
 mainMenuPanel.setLayout(new GridLayout(2, 1)); // Two rows, one column for buttons  
  
 // Create User Button  
 JButton userButton = new JButton("User");  
 userButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 *showUserUI*(); // Show the User UI when the button is clicked  
 mainMenuFrame.dispose(); // Close the main menu  
 }  
 });  
  
 // Create Pharmacist Button  
 JButton pharmacistButton = new JButton("Pharmacist");  
 pharmacistButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 *showPharmacistUI*(); // Show the Pharmacist UI when the button is clicked  
 mainMenuFrame.dispose(); // Close the main menu  
 }  
 });  
  
 // Add buttons to the panel  
 mainMenuPanel.add(userButton);  
 mainMenuPanel.add(pharmacistButton);  
  
 // Add the panel to the frame and display it  
 mainMenuFrame.add(mainMenuPanel);  
 mainMenuFrame.setVisible(true);  
 }  
 public static void showUserUI() {  
 UserInterface User = new UserInterface();  
 User.setVisible(true);  
 }  
  
 // Method to display the Pharmacist UI  
 public static void showPharmacistUI() {  
 Pharmacist Pharmacist = new Pharmacist();  
 Pharmacist.setVisible(true);  
 }  
  
  
  
 // Variables declaration - do not modify//GEN-BEGIN:variables  
 private javax.swing.JButton jButton1;  
 private javax.swing.JButton jButton2;  
 private javax.swing.JLabel jLabel2;  
 // End of variables declaration//GEN-END:variables  
  
}

/\*  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template  
 \*/  
  
*/\*\**  
 *\**  
 *\* @author sominachi*  
 *\*/*  
public class UserInterface extends javax.swing.JFrame {  
  
 */\*\**  
 *\* Creates new form UserInterface*  
 *\*/*  
public UserInterface() {  
 initComponents();  
 }  
  
 */\*\**  
 *\* This method is called from within the constructor to initialize the form.*  
 *\* WARNING: Do NOT modify this code. The content of this method is always*  
 *\* regenerated by the Form Editor.*  
 *\*/*  
@SuppressWarnings("unchecked")  
 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 private void initComponents() {  
  
 jLabel1 = new javax.swing.JLabel();  
 textField1 = new java.awt.TextField();  
 jLabel2 = new javax.swing.JLabel();  
 textField3 = new java.awt.TextField();  
 jLabel3 = new javax.swing.JLabel();  
  
 setDefaultCloseOperation(javax.swing.WindowConstants.*EXIT\_ON\_CLOSE*);  
 //getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
  
 jLabel1.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel1.setText("LOCATION");  
 //getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(83, 78, -1, -1));  
  
 textField1.setBackground(new java.awt.Color(255, 255, 255));  
 textField1.setCursor(new java.awt.Cursor(java.awt.Cursor.*TEXT\_CURSOR*));  
 textField1.setText("textField1");  
 textField1.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField1ActionPerformed(evt);  
 }  
 });  
 textField1.addTextListener(new java.awt.event.TextListener() {  
 public void textValueChanged(java.awt.event.TextEvent evt) {  
 textField1TextValueChanged(evt);  
 }  
 });  
 //getContentPane().add(textField1, new org.netbeans.lib.awtextra.AbsoluteConstraints(388, 130, 470, 39));  
  
 jLabel2.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel2.setText("MEDICINE");  
 //getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 140, -1, -1));  
  
 textField3.setBackground(new java.awt.Color(255, 255, 255));  
 textField3.setCursor(new java.awt.Cursor(java.awt.Cursor.*TEXT\_CURSOR*));  
 textField3.setText("textField1");  
 textField3.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField3ActionPerformed(evt);  
 }  
 });  
 textField3.addTextListener(new java.awt.event.TextListener() {  
 public void textValueChanged(java.awt.event.TextEvent evt) {  
 textField3TextValueChanged(evt);  
 }  
 });  
 //getContentPane().add(textField3, new org.netbeans.lib.awtextra.AbsoluteConstraints(386, 61, 468, 39));  
 //getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 190, 170, 160));  
  
 pack();  
 }// </editor-fold>//GEN-END:initComponents  
  
 private void textField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField1ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField1ActionPerformed  
  
 private void textField1TextValueChanged(java.awt.event.TextEvent evt) {//GEN-FIRST:event\_textField1TextValueChanged  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField1TextValueChanged  
  
 private void textField3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField3ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField3ActionPerformed  
  
 private void textField3TextValueChanged(java.awt.event.TextEvent evt) {//GEN-FIRST:event\_textField3TextValueChanged  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField3TextValueChanged  
  
 */\*\**  
 *\* @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*(UserInterface.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (InstantiationException ex) {  
 java.util.logging.Logger.*getLogger*(UserInterface.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (IllegalAccessException ex) {  
 java.util.logging.Logger.*getLogger*(UserInterface.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (javax.swing.UnsupportedLookAndFeelException ex) {  
 java.util.logging.Logger.*getLogger*(UserInterface.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 UserInterface().setVisible(true);  
 }  
 });  
 }  
  
 // Variables declaration - do not modify//GEN-BEGIN:variables  
 private javax.swing.JLabel jLabel1;  
 private javax.swing.JLabel jLabel2;  
 private javax.swing.JLabel jLabel3;  
 private java.awt.TextField textField1;  
 private java.awt.TextField textField3;  
 // End of variables declaration//GEN-END:variables  
}

import java.io.IOException;  
import java.net.URLEncoder;  
import java.nio.charset.StandardCharsets;  
import java.util.Arrays;  
import java.util.List;  
import java.util.Arrays;  
import java.util.List;  
import org.json.JSONArray;  
import org.json.JSONObject;  
import java.io.BufferedReader;  
import java.io.InputStreamReader;  
import java.net.HttpURLConnection;  
import java.net.URL;  
  
public class GeoLocationUtil {  
 private static final String GEOCODE\_API\_URL = "<https://api.opencagedata.com/geocode/v1/json>";  
 private static final String API\_KEY = "73bf8369f88c49b4b4af0652cb78f54c";  
 public static double[] getCoordinates(String address) throws Exception {  
 String encodedAddress = URLEncoder.encode(address, StandardCharsets.UTF\_8);  
 String url = GEOCODE\_API\_URL + "?q=" + encodedAddress + "&key=" + API\_KEY + "&limit=1";  
 String response = HttpUtil.get(url);  
 // Assume HttpUtil.get() fetches a URL as a string   
 // Parse JSON response   
 JSONObject json = new JSONObject(response);  
 System.out.println(json);  
 JSONArray results = json.getJSONArray("results");  
 JSONObject location = results.getJSONObject(0).getJSONObject("geometry");  
 double latitude = location.getDouble("lat");  
 double longitude = location.getDouble("lng");  
 return new double[]{latitude, longitude};  
 }  
}  
  
public class HttpUtil {  
 public static String get(String urlString) throws Exception  
 { URL url = new URL(urlString);  
 HttpURLConnection conn = (HttpURLConnection) url.openConnection();  
 conn.setRequestMethod("GET");  
 try (BufferedReader reader = new BufferedReader(new InputStreamReader(conn.getInputStream()))) {  
 StringBuilder response = new StringBuilder();  
 String line; while ((line = reader.readLine()) != null) { response.append(line); }  
 return response.toString(); } } }  
  
  
public class Main {  
 public static void main(String[] args) {  
 try {  
 String address = "MG Road, Bangalore";  
 // Example address  
 String medicineName = "Paracetamol";  
 double searchRadius = 10.0; // in km  
 // Get latitude and longitude from address  
 double[] coordinates = GeoLocationUtil.getCoordinates(address);  
 double userLatitude = coordinates[0];  
 double userLongitude = coordinates[1];  
 // Find nearby stores with the medicine  
 List<Store> stores = Arrays.asList(new Store("Dolo", 1, 9,3),  
 new Store("Paracetamel", 3, 5, 6));  
 for (Store store : stores) {  
 System.out.println(store);  
 }  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
// Rest of the findMedicineNearby method remains the same  
 }  
}  
  
public class Store  
{  
 String medicineName;  
  
 public Store(String medicineName, int userLatitude, int userLongitude, int searchRadius) {  
 this.medicineName = medicineName;  
 this.userLatitude = userLatitude;  
 this.userLongitude = userLongitude;  
 this.searchRadius = searchRadius;  
 }  
  
 int userLatitude;  
 int userLongitude;  
 int searchRadius;  
  
 public String getMedicineName() {  
 return medicineName;  
 }  
  
 public void setMedicineName(String medicineName) {  
 this.medicineName = medicineName;  
 }  
  
 public int getUserLatitude() {  
 return userLatitude;  
 }  
  
 public void setUserLatitude(int userLatitude) {  
 this.userLatitude = userLatitude;  
 }  
  
 public int getUserLongitude() {  
 return userLongitude;  
 }  
  
 public void setUserLongitude(int userLongitude) {  
 this.userLongitude = userLongitude;  
 }  
  
 public int getSearchRadius() {  
 return searchRadius;  
 }  
  
 public void setSearchRadius(int searchRadius) {  
 this.searchRadius = searchRadius;  
 }  
}

/\*  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template  
 \*/  
  
*/\*\**  
 *\**  
 *\* @author sominachi*  
 *\*/*  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.\*;  
import java.net.HttpURLConnection;  
import java.net.URL;  
import java.sql.\*;  
import javax.swing.table.DefaultTableModel;  
  
public class Pharmacist extends JFrame {  
  
 private JTextField shopNameField, shopLocationField, medicineNameField, stockCountField, supplierField, manufacturerField;  
 private JFormattedTextField expiryDateField;  
 private JButton saveButton,showDetailsButton;  
 private JTable resultTable;  
   
  
 */\*\**  
 *\* Creates new form Pharmacist*  
 *\*/*  
public Pharmacist() {  
 setTitle("Pharmacist Interface");  
 setSize(1000, 800);  
 setLayout(new GridLayout(10, 2));  
  
 // Initialize Components  
 shopNameField = new JTextField();  
 shopLocationField = new JTextField();  
 medicineNameField = new JTextField();  
 stockCountField = new JTextField();  
 supplierField = new JTextField();  
 manufacturerField = new JTextField();  
 expiryDateField = new JFormattedTextField("yyyy-mm-dd");  
 saveButton = new JButton("Save Medicine Details");  
 showDetailsButton = new JButton("Show Details");  
   
 DefaultTableModel tableModel = new DefaultTableModel(new Object[]{"ID", "Medicine Name", "Expiry Date", "Stock Count", "Supplier", "Manufacturer"}, 0);  
 JTable detailsTable = new JTable(tableModel);  
 JScrollPane scrollPane = new JScrollPane(detailsTable);  
  
 // Add components to JFrame  
 add(new JLabel("Shop Name:"));  
 add(shopNameField);  
 add(new JLabel("Shop Location (Google Address Link):"));  
 add(shopLocationField);  
 add(new JLabel("Medicine Name:"));  
 add(medicineNameField);  
 add(new JLabel("Expiry Date (yyyy-MM-dd):"));  
 add(expiryDateField);  
 add(new JLabel("Stock Count:"));  
 add(stockCountField);  
 add(new JLabel("Supplier:"));  
 add(supplierField);  
 add(new JLabel("Manufacturer:"));  
 add(manufacturerField);  
 add(saveButton);  
 add(showDetailsButton);  
 add(scrollPane);  
 showDetailsButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 fetchAndShowMedicineDetails(); // Fetch data and update the table  
 }  
 });  
  
 saveButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if (isLocationAuthenticated(shopLocationField.getText())) {  
 saveMedicineDetails();  
 } else {  
 JOptionPane.*showMessageDialog*(Pharmacist.this, "Invalid location URL. Please enter a valid URL.");  
 }  
 }  
 });  
 resultTable.addMouseListener(new MouseAdapter() {  
 @Override  
 public void mouseClicked(MouseEvent e) {  
 int selectedRow = resultTable.getSelectedRow();  
 if (selectedRow != -1) {  
 int selectedMedicineId = (int) tableModel.getValueAt(selectedRow, 0);  
 int confirmDelete = JOptionPane.*showConfirmDialog*(Pharmacist.this, "Do you want to delete this medicine?", "Delete", JOptionPane.*YES\_NO\_OPTION*);  
 if (confirmDelete == JOptionPane.*YES\_OPTION*) {  
 deleteMedicineDetails(selectedMedicineId); // Delete the selected medicine from the DB  
 }  
 }  
 }  
 });  
  
 // Add the scroll pane for the table  
 add(scrollPane);  
  
 this.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 this.setLocationRelativeTo(null);  
 }  
  
 // Mouse Listener for table row click (to delete)  
 detailsTable.addMouseListener(new MouseAdapter() {  
 @Override  
 public void mouseClicked(MouseEvent e) {  
 int selectedRow = detailsTable.getSelectedRow();  
 if (selectedRow != -1) {  
 int selectedMedicineId = (int) tableModel.getValueAt(selectedRow, 0);  
 int confirmDelete = JOptionPane.*showConfirmDialog*(Pharmacist.this, "Do you want to delete this medicine?", "Delete", JOptionPane.*YES\_NO\_OPTION*);  
 if (confirmDelete == JOptionPane.*YES\_OPTION*) {  
 deleteMedicineDetails(selectedMedicineId);  
 }  
 }  
 }  
 });  
  
 this.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 this.setLocationRelativeTo(null);  
 }  
 private boolean isLocationAuthenticated(String locationUrl) {  
 try {  
 URL url = new URL(locationUrl);  
 HttpURLConnection connection = (HttpURLConnection) url.openConnection();  
 connection.setRequestMethod("GET");  
 connection.setConnectTimeout(5000);  
 connection.setReadTimeout(5000);  
  
 int responseCode = connection.getResponseCode();  
 return responseCode == HttpURLConnection.*HTTP\_OK*; // 200 OK means the URL is accessible  
 } catch (Exception e) {  
 return false; // If any exception occurs, the URL is considered invalid  
 }  
 }  
  
 private void saveMedicineDetails() {  
 String shopName = shopNameField.getText();  
 String shopLocation = shopLocationField.getText();  
 String medicineName = medicineNameField.getText();  
 String expiryDate = expiryDateField.getText();  
 int stockCount = Integer.*parseInt*(stockCountField.getText());  
 String supplier = supplierField.getText();  
 String manufacturer = manufacturerField.getText();  
  
 try (Connection conn = DataBaseConnection.*getConnection*()) {  
 // Insert Pharmacy Details  
 String insertPharmacySql = "INSERT INTO pharmacy\_details (shop\_name, shop\_location) VALUES (?, ?)";  
 try (PreparedStatement pst = conn.prepareStatement(insertPharmacySql, Statement.*RETURN\_GENERATED\_KEYS*)) {  
 pst.setString(1, shopName);  
 pst.setString(2, shopLocation);  
 pst.executeUpdate();  
  
 // Get the last inserted pharmacy ID  
 ResultSet rs = pst.getGeneratedKeys();  
 int pharmacyId = -1;  
 if (rs.next()) {  
 pharmacyId = rs.getInt(1);  
 }  
  
 // Insert Medicine Details  
 String insertMedicineSql = "INSERT INTO medicine\_stock (medicine\_name, expiry\_date, stock\_count, supplier, manufacturer, pharmacy\_id) VALUES (?, ?, ?, ?, ?, ?)";  
 try (PreparedStatement pst2 = conn.prepareStatement(insertMedicineSql)) {  
 pst2.setString(1, medicineName);  
 pst2.setString(2, expiryDate);  
 pst2.setInt(3, stockCount);  
 pst2.setString(4, supplier);  
 pst2.setString(5, manufacturer);  
 pst2.setInt(6, pharmacyId);  
 pst2.executeUpdate();  
 JOptionPane.*showMessageDialog*(this, "Medicine details saved successfully!");  
 }  
 }  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 JOptionPane.*showMessageDialog*(this, "Error saving data: " + ex.getMessage());  
 }  
 }  
  
   
 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 private void initComponents() {  
  
 jLabel1 = new javax.swing.JLabel();  
 jLabel2 = new javax.swing.JLabel();  
 jLabel3 = new javax.swing.JLabel();  
 jLabel4 = new javax.swing.JLabel();  
 jLabel5 = new javax.swing.JLabel();  
 jLabel6 = new javax.swing.JLabel();  
 jLabel7 = new javax.swing.JLabel();  
 textField1 = new java.awt.TextField();  
 textField2 = new java.awt.TextField();  
 textField3 = new java.awt.TextField();  
 textField4 = new java.awt.TextField();  
 textField5 = new java.awt.TextField();  
 textField6 = new java.awt.TextField();  
 textField7 = new java.awt.TextField();  
 jLabel8 = new javax.swing.JLabel();  
 scrollPane1 = new java.awt.ScrollPane();  
  
 setDefaultCloseOperation(javax.swing.WindowConstants.*EXIT\_ON\_CLOSE*);  
  
 jLabel1.setFont(new java.awt.Font("Phosphate", 0, 18)); // NOI18N  
 jLabel1.setText("SHOP NAME");  
  
 jLabel2.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel2.setText("SHOP LOCATION LINK");  
  
 jLabel3.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel3.setText("MEDICINE NAME");  
  
 jLabel4.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel4.setText("EXPIRE DATE DD/MM/YYYY");  
  
 jLabel5.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel5.setText("SUPPLIER NAME");  
  
 jLabel6.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel6.setText("MANUFACTURER NAME");  
  
 jLabel7.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel7.setText("IN-STOCK COUNT");  
  
 textField1.setText("textField1");  
 textField1.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField1ActionPerformed(evt);  
 }  
 });  
  
 textField2.setText("textField2");  
  
 textField3.setText("textField3");  
  
 textField4.setText("textField4");  
 textField4.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField4ActionPerformed(evt);  
 }  
 });  
  
 textField5.setText("textField5");  
 textField5.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField5ActionPerformed(evt);  
 }  
 });  
  
 textField6.setText("textField6");  
  
 textField7.setText("textField7");  
  
 jLabel8.setText("jLabel8");  
  
 javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
 getContentPane().setLayout(layout);  
 layout.setHorizontalGroup(  
 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(javax.swing.GroupLayout.Alignment.*TRAILING*, layout.createSequentialGroup()  
 .addGap(273, 273, 273)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 112, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addComponent(jLabel7)  
 .addComponent(jLabel6)  
 .addComponent(jLabel5)  
 .addComponent(jLabel4)  
 .addComponent(jLabel3)  
 .addComponent(jLabel2))  
 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.*RELATED*, 113, Short.*MAX\_VALUE*)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*, false)  
 .addComponent(textField3, javax.swing.GroupLayout.*DEFAULT\_SIZE*, 478, Short.*MAX\_VALUE*)  
 .addComponent(textField2, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField1, javax.swing.GroupLayout.Alignment.*TRAILING*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField4, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField5, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField6, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField7, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*))  
 .addGap(204, 204, 204)  
 .addComponent(scrollPane1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 12, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addGap(23, 23, 23))  
 .addGroup(layout.createSequentialGroup()  
 .addGap(236, 236, 236)  
 .addComponent(jLabel8)  
 .addContainerGap(javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*))  
 );  
 layout.setVerticalGroup(  
 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(116, 116, 116)  
 .addComponent(jLabel8, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 42, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addGap(18, 18, 18)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(textField1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addComponent(jLabel1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 31, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(35, 35, 35)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(textField2, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addComponent(jLabel2))  
 .addGap(26, 26, 26)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel3)  
 .addComponent(textField3, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 36, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(33, 33, 33)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel7)  
 .addComponent(textField4, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 41, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(24, 24, 24)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel4)  
 .addComponent(textField5, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 44, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(27, 27, 27)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel5)  
 .addComponent(textField6, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(41, 41, 41)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel6)  
 .addComponent(textField7, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*)))  
 .addGroup(layout.createSequentialGroup()  
 .addGap(9, 9, 9)  
 .addComponent(scrollPane1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 515, javax.swing.GroupLayout.*PREFERRED\_SIZE*)))  
 .addContainerGap(28, Short.*MAX\_VALUE*))  
 );  
  
 pack();  
 }// </editor-fold>//GEN-END:initComponents  
  
 private void textField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField1ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField1ActionPerformed  
  
 private void textField5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField5ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField5ActionPerformed  
  
 private void textField4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField4ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField4ActionPerformed  
  
 private void fetchAndShowMedicineDetails() {  
 try (Connection conn = DataBaseConnection.*getConnection*()) {  
 String selectSql = "SELECT \* FROM medicine\_stock";  
 try (PreparedStatement pst = conn.prepareStatement(selectSql);  
 ResultSet rs = pst.executeQuery()) {  
 DefaultTableModel tableModel = (DefaultTableModel) resultTable.getModel();  
 // Clear existing table data  
 tableModel.setRowCount(0);  
  
 // Add rows to the table model  
 while (rs.next()) {  
 int id = rs.getInt("id");  
 String medicineName = rs.getString("medicine\_name");  
 String expiryDate = rs.getString("expiry\_date");  
 int stockCount = rs.getInt("stock\_count");  
 String supplier = rs.getString("supplier");  
 String manufacturer = rs.getString("manufacturer");  
 tableModel.addRow(new Object[]{id, medicineName, expiryDate, stockCount, supplier, manufacturer});  
 }  
 }  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 JOptionPane.*showMessageDialog*(this, "Error fetching data: " + ex.getMessage());  
 }  
 }  
  
 // Method to delete a medicine record from the database  
 private void deleteMedicineDetails(int medicineId) {  
 Connection db = null;  
 try{  
 db = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/pharmacy\_system","root", "SomiKarthi1995");}  
 catch(SQLException e){  
 System.*out*.println(e.getMessage());  
 }  
 try (Connection conn = db) {  
 String deleteSql = "DELETE FROM medicine\_stock WHERE id = ?";  
 try (PreparedStatement pst = conn.prepareStatement(deleteSql)) {  
 pst.setInt(1, medicineId);  
 int rowsDeleted = pst.executeUpdate();  
 if (rowsDeleted > 0) {  
 JOptionPane.*showMessageDialog*(this, "Medicine record deleted successfully!");  
 fetchAndShowMedicineDetails(); // Refresh table after deletion  
 } else {  
 JOptionPane.*showMessageDialog*(this, "Error deleting record.");  
 }  
 }  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 JOptionPane.*showMessageDialog*(this, "Error deleting data: " + ex.getMessage());  
 }  
 }  
 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*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (InstantiationException ex) {  
 java.util.logging.Logger.*getLogger*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (IllegalAccessException ex) {  
 java.util.logging.Logger.*getLogger*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (javax.swing.UnsupportedLookAndFeelException ex) {  
 java.util.logging.Logger.*getLogger*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 }  
 //</editor-fold>  
 SwingUtilities.*invokeLater*(new Runnable() {  
 @Override  
 public void run() {  
 new Pharmacist().setVisible(true);  
 }  
 });  
   
   
   
  
  
 }  
  
  
 // Variables declaration - do not modify//GEN-BEGIN:variables  
 private javax.swing.JLabel jLabel1;  
 private javax.swing.JLabel jLabel2;  
 private javax.swing.JLabel jLabel3;  
 private javax.swing.JLabel jLabel4;  
 private javax.swing.JLabel jLabel5;  
 private javax.swing.JLabel jLabel6;  
 private javax.swing.JLabel jLabel7;  
 private javax.swing.JLabel jLabel8;  
 private java.awt.ScrollPane scrollPane1;  
 private java.awt.TextField textField1;  
 private java.awt.TextField textField2;  
 private java.awt.TextField textField3;  
 private java.awt.TextField textField4;  
 private java.awt.TextField textField5;  
 private java.awt.TextField textField6;  
 private java.awt.TextField textField7;  
 // End of variables declaration//GEN-END:variables  
}

/\*  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template  
 \*/  
  
*/\*\**  
 *\**  
 *\* @author sominachi*  
 *\*/*  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.\*;  
import java.net.HttpURLConnection;  
import java.net.URL;  
import java.sql.\*;  
import javax.swing.table.DefaultTableModel;  
  
public class Pharmacist extends JFrame {  
  
 private JTextField shopNameField, shopLocationField, medicineNameField, stockCountField, supplierField, manufacturerField;  
 private JFormattedTextField expiryDateField;  
 private JButton saveButton,showDetailsButton;  
 private JTable resultTable;  
   
  
 */\*\**  
 *\* Creates new form Pharmacist*  
 *\*/*  
public Pharmacist() {  
 setTitle("Pharmacist Interface");  
 setSize(1000, 800);  
 setLayout(new GridLayout(10, 2));  
  
 // Initialize Components  
 shopNameField = new JTextField();  
 shopLocationField = new JTextField();  
 medicineNameField = new JTextField();  
 stockCountField = new JTextField();  
 supplierField = new JTextField();  
 manufacturerField = new JTextField();  
 expiryDateField = new JFormattedTextField("yyyy-mm-dd");  
 saveButton = new JButton("Save Medicine Details");  
 showDetailsButton = new JButton("Show Details");  
   
 DefaultTableModel tableModel = new DefaultTableModel(new Object[]{"ID", "Medicine Name", "Expiry Date", "Stock Count", "Supplier", "Manufacturer"}, 0);  
 JTable detailsTable = new JTable(tableModel);  
 JScrollPane scrollPane = new JScrollPane(detailsTable);  
  
 // Add components to JFrame  
 add(new JLabel("Shop Name:"));  
 add(shopNameField);  
 add(new JLabel("Shop Location (Google Address Link):"));  
 add(shopLocationField);  
 add(new JLabel("Medicine Name:"));  
 add(medicineNameField);  
 add(new JLabel("Expiry Date (yyyy-MM-dd):"));  
 add(expiryDateField);  
 add(new JLabel("Stock Count:"));  
 add(stockCountField);  
 add(new JLabel("Supplier:"));  
 add(supplierField);  
 add(new JLabel("Manufacturer:"));  
 add(manufacturerField);  
 add(saveButton);  
 add(showDetailsButton);  
 add(scrollPane);  
 showDetailsButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 fetchAndShowMedicineDetails(); // Fetch data and update the table  
 }  
 });  
  
 saveButton.addActionListener(new ActionListener() {  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if (isLocationAuthenticated(shopLocationField.getText())) {  
 saveMedicineDetails();  
 } else {  
 JOptionPane.*showMessageDialog*(Pharmacist.this, "Invalid location URL. Please enter a valid URL.");  
 }  
 }  
 });  
 resultTable.addMouseListener(new MouseAdapter() {  
 @Override  
 public void mouseClicked(MouseEvent e) {  
 int selectedRow = resultTable.getSelectedRow();  
 if (selectedRow != -1) {  
 int selectedMedicineId = (int) tableModel.getValueAt(selectedRow, 0);  
 int confirmDelete = JOptionPane.*showConfirmDialog*(Pharmacist.this, "Do you want to delete this medicine?", "Delete", JOptionPane.*YES\_NO\_OPTION*);  
 if (confirmDelete == JOptionPane.*YES\_OPTION*) {  
 deleteMedicineDetails(selectedMedicineId); // Delete the selected medicine from the DB  
 }  
 }  
 }  
 });  
  
 // Add the scroll pane for the table  
 add(scrollPane);  
  
 this.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 this.setLocationRelativeTo(null);  
 }  
  
 // Mouse Listener for table row click (to delete)  
 detailsTable.addMouseListener(new MouseAdapter() {  
 @Override  
 public void mouseClicked(MouseEvent e) {  
 int selectedRow = detailsTable.getSelectedRow();  
 if (selectedRow != -1) {  
 int selectedMedicineId = (int) tableModel.getValueAt(selectedRow, 0);  
 int confirmDelete = JOptionPane.*showConfirmDialog*(Pharmacist.this, "Do you want to delete this medicine?", "Delete", JOptionPane.*YES\_NO\_OPTION*);  
 if (confirmDelete == JOptionPane.*YES\_OPTION*) {  
 deleteMedicineDetails(selectedMedicineId);  
 }  
 }  
 }  
 });  
  
 this.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 this.setLocationRelativeTo(null);  
 }  
 private boolean isLocationAuthenticated(String locationUrl) {  
 try {  
 URL url = new URL(locationUrl);  
 HttpURLConnection connection = (HttpURLConnection) url.openConnection();  
 connection.setRequestMethod("GET");  
 connection.setConnectTimeout(5000);  
 connection.setReadTimeout(5000);  
  
 int responseCode = connection.getResponseCode();  
 return responseCode == HttpURLConnection.*HTTP\_OK*; // 200 OK means the URL is accessible  
 } catch (Exception e) {  
 return false; // If any exception occurs, the URL is considered invalid  
 }  
 }  
  
 private void saveMedicineDetails() {  
 String shopName = shopNameField.getText();  
 String shopLocation = shopLocationField.getText();  
 String medicineName = medicineNameField.getText();  
 String expiryDate = expiryDateField.getText();  
 int stockCount = Integer.*parseInt*(stockCountField.getText());  
 String supplier = supplierField.getText();  
 String manufacturer = manufacturerField.getText();  
  
 try (Connection conn = DataBaseConnection.*getConnection*()) {  
 // Insert Pharmacy Details  
 String insertPharmacySql = "INSERT INTO pharmacy\_details (shop\_name, shop\_location) VALUES (?, ?)";  
 try (PreparedStatement pst = conn.prepareStatement(insertPharmacySql, Statement.*RETURN\_GENERATED\_KEYS*)) {  
 pst.setString(1, shopName);  
 pst.setString(2, shopLocation);  
 pst.executeUpdate();  
  
 // Get the last inserted pharmacy ID  
 ResultSet rs = pst.getGeneratedKeys();  
 int pharmacyId = -1;  
 if (rs.next()) {  
 pharmacyId = rs.getInt(1);  
 }  
  
 // Insert Medicine Details  
 String insertMedicineSql = "INSERT INTO medicine\_stock (medicine\_name, expiry\_date, stock\_count, supplier, manufacturer, pharmacy\_id) VALUES (?, ?, ?, ?, ?, ?)";  
 try (PreparedStatement pst2 = conn.prepareStatement(insertMedicineSql)) {  
 pst2.setString(1, medicineName);  
 pst2.setString(2, expiryDate);  
 pst2.setInt(3, stockCount);  
 pst2.setString(4, supplier);  
 pst2.setString(5, manufacturer);  
 pst2.setInt(6, pharmacyId);  
 pst2.executeUpdate();  
 JOptionPane.*showMessageDialog*(this, "Medicine details saved successfully!");  
 }  
 }  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 JOptionPane.*showMessageDialog*(this, "Error saving data: " + ex.getMessage());  
 }  
 }  
  
   
 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 private void initComponents() {  
  
 jLabel1 = new javax.swing.JLabel();  
 jLabel2 = new javax.swing.JLabel();  
 jLabel3 = new javax.swing.JLabel();  
 jLabel4 = new javax.swing.JLabel();  
 jLabel5 = new javax.swing.JLabel();  
 jLabel6 = new javax.swing.JLabel();  
 jLabel7 = new javax.swing.JLabel();  
 textField1 = new java.awt.TextField();  
 textField2 = new java.awt.TextField();  
 textField3 = new java.awt.TextField();  
 textField4 = new java.awt.TextField();  
 textField5 = new java.awt.TextField();  
 textField6 = new java.awt.TextField();  
 textField7 = new java.awt.TextField();  
 jLabel8 = new javax.swing.JLabel();  
 scrollPane1 = new java.awt.ScrollPane();  
  
 setDefaultCloseOperation(javax.swing.WindowConstants.*EXIT\_ON\_CLOSE*);  
  
 jLabel1.setFont(new java.awt.Font("Phosphate", 0, 18)); // NOI18N  
 jLabel1.setText("SHOP NAME");  
  
 jLabel2.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel2.setText("SHOP LOCATION LINK");  
  
 jLabel3.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel3.setText("MEDICINE NAME");  
  
 jLabel4.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel4.setText("EXPIRE DATE DD/MM/YYYY");  
  
 jLabel5.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel5.setText("SUPPLIER NAME");  
  
 jLabel6.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel6.setText("MANUFACTURER NAME");  
  
 jLabel7.setFont(new java.awt.Font(".AppleSystemUIFont", 3, 18)); // NOI18N  
 jLabel7.setText("IN-STOCK COUNT");  
  
 textField1.setText("textField1");  
 textField1.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField1ActionPerformed(evt);  
 }  
 });  
  
 textField2.setText("textField2");  
  
 textField3.setText("textField3");  
  
 textField4.setText("textField4");  
 textField4.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField4ActionPerformed(evt);  
 }  
 });  
  
 textField5.setText("textField5");  
 textField5.addActionListener(new java.awt.event.ActionListener() {  
 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 textField5ActionPerformed(evt);  
 }  
 });  
  
 textField6.setText("textField6");  
  
 textField7.setText("textField7");  
  
 jLabel8.setText("jLabel8");  
  
 javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
 getContentPane().setLayout(layout);  
 layout.setHorizontalGroup(  
 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(javax.swing.GroupLayout.Alignment.*TRAILING*, layout.createSequentialGroup()  
 .addGap(273, 273, 273)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 112, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addComponent(jLabel7)  
 .addComponent(jLabel6)  
 .addComponent(jLabel5)  
 .addComponent(jLabel4)  
 .addComponent(jLabel3)  
 .addComponent(jLabel2))  
 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.*RELATED*, 113, Short.*MAX\_VALUE*)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*, false)  
 .addComponent(textField3, javax.swing.GroupLayout.*DEFAULT\_SIZE*, 478, Short.*MAX\_VALUE*)  
 .addComponent(textField2, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField1, javax.swing.GroupLayout.Alignment.*TRAILING*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField4, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField5, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField6, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*)  
 .addComponent(textField7, javax.swing.GroupLayout.*DEFAULT\_SIZE*, javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*))  
 .addGap(204, 204, 204)  
 .addComponent(scrollPane1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 12, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addGap(23, 23, 23))  
 .addGroup(layout.createSequentialGroup()  
 .addGap(236, 236, 236)  
 .addComponent(jLabel8)  
 .addContainerGap(javax.swing.GroupLayout.*DEFAULT\_SIZE*, Short.*MAX\_VALUE*))  
 );  
 layout.setVerticalGroup(  
 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(116, 116, 116)  
 .addComponent(jLabel8, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 42, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addGap(18, 18, 18)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(textField1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addComponent(jLabel1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 31, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addGroup(layout.createSequentialGroup()  
 .addGap(35, 35, 35)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(textField2, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*)  
 .addComponent(jLabel2))  
 .addGap(26, 26, 26)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel3)  
 .addComponent(textField3, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 36, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(33, 33, 33)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel7)  
 .addComponent(textField4, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 41, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(24, 24, 24)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel4)  
 .addComponent(textField5, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 44, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(27, 27, 27)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel5)  
 .addComponent(textField6, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*))  
 .addGap(41, 41, 41)  
 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.*LEADING*)  
 .addComponent(jLabel6)  
 .addComponent(textField7, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 40, javax.swing.GroupLayout.*PREFERRED\_SIZE*)))  
 .addGroup(layout.createSequentialGroup()  
 .addGap(9, 9, 9)  
 .addComponent(scrollPane1, javax.swing.GroupLayout.*PREFERRED\_SIZE*, 515, javax.swing.GroupLayout.*PREFERRED\_SIZE*)))  
 .addContainerGap(28, Short.*MAX\_VALUE*))  
 );  
  
 pack();  
 }// </editor-fold>//GEN-END:initComponents  
  
 private void textField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField1ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField1ActionPerformed  
  
 private void textField5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField5ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField5ActionPerformed  
  
 private void textField4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_textField4ActionPerformed  
 // *TODO add your handling code here:*  
}//GEN-LAST:event\_textField4ActionPerformed  
  
 private void fetchAndShowMedicineDetails() {  
 try (Connection conn = DataBaseConnection.*getConnection*()) {  
 String selectSql = "SELECT \* FROM medicine\_stock";  
 try (PreparedStatement pst = conn.prepareStatement(selectSql);  
 ResultSet rs = pst.executeQuery()) {  
 DefaultTableModel tableModel = (DefaultTableModel) resultTable.getModel();  
 // Clear existing table data  
 tableModel.setRowCount(0);  
  
 // Add rows to the table model  
 while (rs.next()) {  
 int id = rs.getInt("id");  
 String medicineName = rs.getString("medicine\_name");  
 String expiryDate = rs.getString("expiry\_date");  
 int stockCount = rs.getInt("stock\_count");  
 String supplier = rs.getString("supplier");  
 String manufacturer = rs.getString("manufacturer");  
 tableModel.addRow(new Object[]{id, medicineName, expiryDate, stockCount, supplier, manufacturer});  
 }  
 }  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 JOptionPane.*showMessageDialog*(this, "Error fetching data: " + ex.getMessage());  
 }  
 }  
  
 // Method to delete a medicine record from the database  
 private void deleteMedicineDetails(int medicineId) {  
 Connection db = null;  
 try{  
 db = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/pharmacy\_system","root", "SomiKarthi1995");}  
 catch(SQLException e){  
 System.*out*.println(e.getMessage());  
 }  
 try (Connection conn = db) {  
 String deleteSql = "DELETE FROM medicine\_stock WHERE id = ?";  
 try (PreparedStatement pst = conn.prepareStatement(deleteSql)) {  
 pst.setInt(1, medicineId);  
 int rowsDeleted = pst.executeUpdate();  
 if (rowsDeleted > 0) {  
 JOptionPane.*showMessageDialog*(this, "Medicine record deleted successfully!");  
 fetchAndShowMedicineDetails(); // Refresh table after deletion  
 } else {  
 JOptionPane.*showMessageDialog*(this, "Error deleting record.");  
 }  
 }  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 JOptionPane.*showMessageDialog*(this, "Error deleting data: " + ex.getMessage());  
 }  
 }  
 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*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (InstantiationException ex) {  
 java.util.logging.Logger.*getLogger*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (IllegalAccessException ex) {  
 java.util.logging.Logger.*getLogger*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 } catch (javax.swing.UnsupportedLookAndFeelException ex) {  
 java.util.logging.Logger.*getLogger*(Pharmacist.class.getName()).log(java.util.logging.Level.*SEVERE*, null, ex);  
 }  
 //</editor-fold>  
 SwingUtilities.*invokeLater*(new Runnable() {  
 @Override  
 public void run() {  
 new Pharmacist().setVisible(true);  
 }  
 });  
   
   
   
  
  
 }  
  
  
 // Variables declaration - do not modify//GEN-BEGIN:variables  
 private javax.swing.JLabel jLabel1;  
 private javax.swing.JLabel jLabel2;  
 private javax.swing.JLabel jLabel3;  
 private javax.swing.JLabel jLabel4;  
 private javax.swing.JLabel jLabel5;  
 private javax.swing.JLabel jLabel6;  
 private javax.swing.JLabel jLabel7;  
 private javax.swing.JLabel jLabel8;  
 private java.awt.ScrollPane scrollPane1;  
 private java.awt.TextField textField1;  
 private java.awt.TextField textField2;  
 private java.awt.TextField textField3;  
 private java.awt.TextField textField4;  
 private java.awt.TextField textField5;  
 private java.awt.TextField textField6;  
 private java.awt.TextField textField7;  
 // End of variables declaration//GEN-END:variables  
}

import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.SQLException;  
  
/\*  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
 \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  
 \*/  
  
*/\*\**  
 *\**  
 *\* @author sominachi*  
 *\*/*  
public class DataBaseConnection {  
 private static final String *URL* = "jdbc:mysql://localhost:3306/pharmacy\_system";  
 private static final String *USER* = "root";  
 private static final String *PASSWORD* = "SomiKarthi1995";  
  
   
 // Update your MySQL password  
 //return DriverManager.getConnection(url, username, password);  
 public static Connection getConnection() throws SQLException {  
 try{  
 Class.*forName*("com.mysql.cj.jdbc.Driver");  
 }  
 catch(ClassNotFoundException e){  
 System.*out*.println(e.getMessage());  
 }  
 return DriverManager.*getConnection*(*URL*, *USER*, *PASSWORD*);  
   
   
   
}  
   
}