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***dbconnection.java***

package ReusableClasses;

import java.sql.DriverManager;

import java.sql.SQLException;

import javax.swing.JOptionPane;

public class dbconnection {

public static final String connectionstring = "jdbc:mysql://localhost:3306/clinic\_database";

public static final String databaseusername = "root";

public static final String databasepassword = "kokoska12";

public static java.sql.Connection conn= null;

public static java.sql.Connection connection(){

try{

conn = DriverManager.getConnection(connectionstring, databaseusername,databasepassword);

//System.out.println("Connected");

return conn;

} catch(SQLException ex){

JOptionPane.showMessageDialog(null, "There has been an error: " + ex);

}

return null;

}

}

***Sign\_In.java***

package csia;

import java.awt.Color;

import java.sql.\*;

import java.sql.Connection;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

public class Sign\_In extends javax.swing.JFrame {

Connection conn=null;

ResultSet rs = null;

Statement pst=null;

public Sign\_In() {

initComponents();

setLocationRelativeTo(this);

}

public void passwordmatcher(){

try{

String username = txtuser.getText();

String password = String.valueOf(txtpass.getPassword());

String query ="SELECT \* FROM clinic\_database.users WHERE (`Username` = '"+username+"');";

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(query);

rs = pst.executeQuery(query);

while(rs.next()){

String passwordcomparison = rs.getString("Password");

if(password.equals(passwordcomparison)){

this.setVisible(false);

new Dashboard().setVisible(true);

this.dispose();

}else{

JOptionPane.showMessageDialog(null, "Username and password do not match!");

}

}

}catch(SQLException E){

JOptionPane.showMessageDialog(null, "There has been an error:" + E);

}

finally {

try {

conn.close();

pst.close();

rs.close();

} catch (SQLException E) {

}}

}

public int usernamechecker(){

try{

String username = txtuser.getText();

String query ="SELECT \* FROM clinic\_database.users;";

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(query);

rs = pst.executeQuery(query);

while(rs.next()){

String usernamecomparison = rs.getString("Username");

if(usernamecomparison.equals(username)){

return 1;

}

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null, "There has been an error:" + e);

}

return 0;

}

public void setColor(JPanel p){

p.setBackground(new Color(185,160,160));

}

public void removeColor(JPanel p){

p.setBackground(new Color(255,202,212));

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

txtuser = new javax.swing.JTextField();

txtpass = new javax.swing.JPasswordField();

jButton2 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

Login = new javax.swing.JButton();

Panel1 = new javax.swing.JPanel();

jLabel5 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

jLabel2.setIcon(new javax.swing.ImageIcon("C:\\Users\\VivoBook\\Desktop\\logo - Copy.jpg")); // NOI18N

txtuser.setFont(new java.awt.Font("Tw Cen MT", 0, 30)); // NOI18N

txtuser.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

txtuserActionPerformed(evt);

}

});

txtpass.setFont(new java.awt.Font("Tw Cen MT", 0, 30)); // NOI18N

jButton2.setBackground(new java.awt.Color(255, 202, 212));

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton2.setForeground(new java.awt.Color(255, 255, 255));

jButton2.setText("Clear");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jLabel1.setFont(new java.awt.Font("Tw Cen MT", 1, 70)); // NOI18N

jLabel1.setForeground(new java.awt.Color(255, 255, 255));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Welcome!");

jLabel4.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

jLabel4.setForeground(new java.awt.Color(255, 255, 255));

jLabel4.setText("Username");

jLabel6.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

jLabel6.setForeground(new java.awt.Color(255, 255, 255));

jLabel6.setText("Password");

jLabel7.setFont(new java.awt.Font("Tw Cen MT", 1, 48)); // NOI18N

jLabel7.setForeground(new java.awt.Color(255, 255, 255));

jLabel7.setText("Sign In");

Login.setBackground(new java.awt.Color(255, 202, 212));

Login.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

Login.setForeground(new java.awt.Color(255, 255, 255));

Login.setText("Enter");

Login.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LoginActionPerformed(evt);

}

});

Panel1.setBackground(new java.awt.Color(255, 202, 212));

Panel1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseEntered(java.awt.event.MouseEvent evt) {

Panel1MouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

Panel1MouseExited(evt);

}

});

jLabel5.setBackground(new java.awt.Color(255, 255, 255));

jLabel5.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jLabel5.setForeground(new java.awt.Color(255, 255, 255));

jLabel5.setText("Forgot password? Click here.");

jLabel5.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jLabel5MouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

jLabel5MouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

jLabel5MouseExited(evt);

}

});

javax.swing.GroupLayout Panel1Layout = new javax.swing.GroupLayout(Panel1);

Panel1.setLayout(Panel1Layout);

Panel1Layout.setHorizontalGroup(

Panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Panel1Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5)

.addContainerGap())

);

Panel1Layout.setVerticalGroup(

Panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Panel1Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jLabel5))

);

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(136, 136, 136)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(34, 34, 34)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 767, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(24, 24, 24)

.addComponent(Panel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 133, Short.MAX\_VALUE)

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

.addComponent(jLabel7, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 205, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtuser, javax.swing.GroupLayout.DEFAULT\_SIZE, 388, Short.MAX\_VALUE)

.addComponent(txtpass)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(Login, javax.swing.GroupLayout.PREFERRED\_SIZE, 103, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 121, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 205, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(27, 27, 27)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(9, 9, 9)

.addComponent(jLabel4)

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

.addComponent(txtuser, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(36, 36, 36)

.addComponent(jLabel6)

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

.addComponent(txtpass, javax.swing.GroupLayout.PREFERRED\_SIZE, 57, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(31, 31, 31)

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

.addComponent(Login, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 377, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32, Short.MAX\_VALUE)

.addComponent(Panel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {Login, jButton2});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

txtuser.setText("");

txtpass.setText("");

}//GEN-LAST:event\_jButton2ActionPerformed

private void LoginActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LoginActionPerformed

int checker= usernamechecker();

if(checker==1){

passwordmatcher();

}

if(checker==0){

JOptionPane.showMessageDialog(null, "Username does not exist, please try again!");

}

}//GEN-LAST:event\_LoginActionPerformed

private void txtuserActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_txtuserActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_txtuserActionPerformed

private void Panel1MouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_Panel1MouseEntered

}//GEN-LAST:event\_Panel1MouseEntered

private void Panel1MouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_Panel1MouseExited

}//GEN-LAST:event\_Panel1MouseExited

private void jLabel5MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel5MouseClicked

this.setVisible(false);

new Email\_OTP\_Checker().setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel5MouseClicked

private void jLabel5MouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel5MouseEntered

setColor(Panel1);

}//GEN-LAST:event\_jLabel5MouseEntered

private void jLabel5MouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel5MouseExited

removeColor(Panel1);

}//GEN-LAST:event\_jLabel5MouseExited

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Sign\_In().setVisible(true);

}

});

}

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

private javax.swing.JButton Login;

private javax.swing.JPanel Panel1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JPanel jPanel1;

private javax.swing.JPasswordField txtpass;

private javax.swing.JTextField txtuser;

// End of variables declaration//GEN-END:variables

}

***Email\_OTP\_Checker***

package csia;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Properties;

import java.util.Random;

import javax.mail.Message;

import javax.mail.MessagingException;

import javax.mail.PasswordAuthentication;

import javax.mail.Session;

import javax.mail.Transport;

import javax.mail.internet.InternetAddress;

import javax.mail.internet.MimeMessage;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author VivoBook

\*/

public class Email\_OTP\_Checker extends javax.swing.JFrame {

Connection conn=null;

ResultSet rs = null;

Statement pst=null;

int OTP=0;

/\*\*

\* Creates new form OTP\_password

\*/

public Email\_OTP\_Checker() {

initComponents();

}

public void SendEmail(String to,String sub,String msg){

//Get properties object

String from = "dentalclinicsara@gmail.com";

String password = "sifrazasaru12";

Properties props = new Properties();

props.put("mail.smtp.host", "smtp.gmail.com");

props.put("mail.smtp.socketFactory.port", "465");

props.put("mail.smtp.socketFactory.class",

"javax.net.ssl.SSLSocketFactory");

props.put("mail.smtp.auth", "true");

props.put("mail.smtp.port", "465");

//get Session

Session session = Session.getDefaultInstance(props,

new javax.mail.Authenticator() {

protected PasswordAuthentication getPasswordAuthentication() {

return new PasswordAuthentication(from,password);

}

});

//compose message

try {

MimeMessage message = new MimeMessage(session);

message.addRecipient(Message.RecipientType.TO,new InternetAddress(to));

message.setSubject(sub);

message.setText(msg);

//send message

Transport.send(message);

} catch (MessagingException e) {throw new RuntimeException(e);}

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

EmailRecipient = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

OTPCheck = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

jLabel1.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jLabel1.setForeground(new java.awt.Color(102, 102, 102));

jLabel1.setText("Please enter your email. If your email matches the database, you will get the message with the OTP");

jButton1.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Send OTP");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jLabel2.setForeground(new java.awt.Color(102, 102, 102));

jLabel2.setText("Enter email:");

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton2.setForeground(new java.awt.Color(102, 102, 102));

jButton2.setText("Check OTP");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addComponent(jLabel1)

.addContainerGap())

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel2)

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(EmailRecipient, javax.swing.GroupLayout.PREFERRED\_SIZE, 280, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(OTPCheck, javax.swing.GroupLayout.PREFERRED\_SIZE, 280, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(72, 72, 72)

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

.addComponent(jButton2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 172, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 172, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(109, 109, 109))))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(36, 36, 36)

.addComponent(jLabel1)

.addGap(36, 36, 36)

.addComponent(jLabel2)

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

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

.addComponent(EmailRecipient, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1))

.addGap(18, 18, 18)

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

.addComponent(jButton2)

.addComponent(OTPCheck, 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.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

OTP = new Random().nextInt(900000) + 100000;

String EmailR = EmailRecipient.getText();

String searchquerry = "SELECT Email FROM clinic\_database.users WHERE (`Email`='"+ EmailR + "');";

try{

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery(searchquerry);

if (!rs.next()){

JOptionPane.showMessageDialog(null, "Email not found!");

}else{

String email= rs.getString("Email");

String subject = "OTP Request";

String content = String.valueOf(OTP);

SendEmail(email, subject, content);

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null, e);

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

String otp = OTPCheck.getText();

int i =Integer.parseInt(otp);

if (i==OTP){

JOptionPane.showMessageDialog(null, "OTP match!");

this.setVisible(false);

new Software\_User\_Update().setVisible(true);

this.dispose();

}else{

JOptionPane.showMessageDialog(null, "OTP does not match! Please try again.");

}

}//GEN-LAST:event\_jButton2ActionPerformed

/\*\*

\* @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(Email\_OTP\_Checker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Email\_OTP\_Checker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Email\_OTP\_Checker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Email\_OTP\_Checker.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 Email\_OTP\_Checker().setVisible(true);

}

});

}

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

public static javax.swing.JTextField EmailRecipient;

private javax.swing.JTextField OTPCheck;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JPanel jPanel1;

// End of variables declaration//GEN-END:variables

}

***Software\_User\_Update.java***

/\*

\* 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 csia;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author VivoBook

\*/

public class Software\_User\_Update extends javax.swing.JFrame {

public Connection conn=null;

public ResultSet rs = null;

public PreparedStatement pst=null;

/\*\*

\* Creates new form Edit\_Users

\*/

public Software\_User\_Update() {

initComponents();

displayuser();

}

public final String fetchemail(){

String budalica = Email\_OTP\_Checker.EmailRecipient.getText();

return budalica;

}

public final void displayuser(){

try{

String getdata = "SELECT \* FROM `clinic\_database`.`users` WHERE (Email = '" + fetchemail() + "');";

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(getdata, ResultSet.TYPE\_SCROLL\_INSENSITIVE, ResultSet.CONCUR\_READ\_ONLY);

rs = pst.executeQuery(getdata);

rs.first();

EmailTF.setText(rs.getString("Email"));

UsernameTF.setText(rs.getString("Username"));

PasswordTF.setText(rs.getString("Password"));

rs.close();

conn.close();

}catch(SQLException e){

JFrame f = new JFrame();

JOptionPane.showMessageDialog(f,e);

}

}

//ResultSet.TYPE\_SCROLL\_INSENSITIVE,

/\*\*

\* 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();

PasswordTF = new javax.swing.JTextField();

Username = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

EmailTF = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

UsernameTF = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

Username.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

Username.setForeground(new java.awt.Color(102, 102, 102));

Username.setText("Username");

jLabel2.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jLabel2.setForeground(new java.awt.Color(102, 102, 102));

jLabel2.setText("Password");

jButton1.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Update");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jLabel1.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jLabel1.setForeground(new java.awt.Color(102, 102, 102));

jLabel1.setText("Email");

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(21, 21, 21)

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

.addComponent(jLabel2)

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(Username)

.addComponent(UsernameTF, javax.swing.GroupLayout.DEFAULT\_SIZE, 226, Short.MAX\_VALUE)

.addComponent(PasswordTF))

.addGap(105, 105, 105)

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

.addComponent(EmailTF)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 222, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 57, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(45, 45, 45)

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

.addComponent(Username)

.addComponent(jLabel1))

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

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

.addComponent(UsernameTF, javax.swing.GroupLayout.PREFERRED\_SIZE, 44, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(EmailTF, javax.swing.GroupLayout.PREFERRED\_SIZE, 44, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(20, 20, 20)

.addComponent(jLabel2)

.addGap(18, 18, 18)

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

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(PasswordTF, javax.swing.GroupLayout.PREFERRED\_SIZE, 46, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(33, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

try{

String updatequerry= "UPDATE `clinic\_database`.`users` SET `Username` = '"+UsernameTF.getText()+"',"

+ " `Password` ='"+PasswordTF.getText()+"',"

+ " `Email` = '"+EmailTF.getText()+"' WHERE (`Email` = '" + fetchemail() + "');";

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(updatequerry);

//pst.setString(1, UsernameTF.getText());

//pst.setString(2, PasswordTF.getText());

//pst.setString(3, EmailTF.getText());

pst.executeUpdate(updatequerry);

JFrame f = new JFrame();

JOptionPane.showMessageDialog(f,"Change made succesfully");

} catch(SQLException e){

JFrame f = new JFrame();

JOptionPane.showMessageDialog(f,e);

}

int f=0;

int dialogButton = JOptionPane.YES\_NO\_OPTION;

JOptionPane.showConfirmDialog (null, "Proceed to login?", null, dialogButton);

if(dialogButton == JOptionPane.YES\_OPTION) {

Sign\_In a= new Sign\_In();

a.setVisible(true);

this.setVisible(false);

this.dispose();

if(dialogButton == JOptionPane.NO\_OPTION) {

this.setVisible(false);

this.dispose();

}

}

}//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(Software\_User\_Update.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Software\_User\_Update.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Software\_User\_Update.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Software\_User\_Update.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 Software\_User\_Update().setVisible(true);

}

});

}

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

private volatile javax.swing.JTextField EmailTF;

private volatile javax.swing.JTextField PasswordTF;

private javax.swing.JLabel Username;

private javax.swing.JTextField UsernameTF;

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JPanel jPanel1;

// End of variables declaration//GEN-END:variables

}

***Dashboard.java***

/\*

\* 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 csia;

import java.awt.Color;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

/\*\*

\*

\* @author VivoBook

\*/

public class Dashboard extends javax.swing.JFrame {

/\*\*

\* Creates new form Dashboard

\*/

public Dashboard() {

initComponents();

time();

}

public void time(){

Thread t;

t = new Thread(){

public void run(){

while(true){

DateFormat dateFormat1 = new SimpleDateFormat("dd:MM:yyyy");

DateFormat dateFormat2 = new SimpleDateFormat("HH:mm:ss");

Date date1 = new Date();

Date date2 = new Date();

String formateddate1= dateFormat1.format(date1);

String formateddate2= dateFormat2.format(date2);

jLabel5.setText("Date: " + formateddate1);

jLabel6.setText("Time: " + formateddate2);

try{sleep(1000);

}catch(InterruptedException e){

JOptionPane.showMessageDialog(null, "There has been an error:" + e);

}

}

}

};

t.start();

}

/\*\*

\* 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() {

Panel2 = new javax.swing.JPanel();

jPanel5 = new javax.swing.JPanel();

DashboardLabel = new javax.swing.JLabel();

jPanel1 = new javax.swing.JPanel();

UpdateDatabasejFrame = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

ViewPatientDatabasejFrame = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

InvoiceCreatorjFrame = new javax.swing.JLabel();

jPanel4 = new javax.swing.JPanel();

AppointmentCreatorjFrame = new javax.swing.JLabel();

jPanel6 = new javax.swing.JPanel();

jLabel6 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

Panel2.setBackground(new java.awt.Color(255, 202, 212));

Panel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel5.setBackground(new java.awt.Color(157, 129, 139));

DashboardLabel.setBackground(new java.awt.Color(157, 129, 139));

DashboardLabel.setFont(new java.awt.Font("Tw Cen MT", 1, 60)); // NOI18N

DashboardLabel.setForeground(new java.awt.Color(255, 255, 255));

DashboardLabel.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

DashboardLabel.setText("Dashboard");

jPanel1.setBackground(new java.awt.Color(244, 172, 183));

UpdateDatabasejFrame.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

UpdateDatabasejFrame.setForeground(new java.awt.Color(255, 255, 255));

UpdateDatabasejFrame.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

UpdateDatabasejFrame.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icons/icons8\_database\_administrator\_26px.png"))); // NOI18N

UpdateDatabasejFrame.setText("Update patient database");

UpdateDatabasejFrame.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

UpdateDatabasejFrameMouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

UpdateDatabasejFrameMouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

UpdateDatabasejFrameMouseExited(evt);

}

public void mousePressed(java.awt.event.MouseEvent evt) {

UpdateDatabasejFrameMousePressed(evt);

}

});

UpdateDatabasejFrame.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

UpdateDatabasejFrameKeyPressed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(UpdateDatabasejFrame, javax.swing.GroupLayout.PREFERRED\_SIZE, 686, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(UpdateDatabasejFrame, javax.swing.GroupLayout.DEFAULT\_SIZE, 72, Short.MAX\_VALUE))

);

jPanel2.setBackground(new java.awt.Color(244, 172, 183));

ViewPatientDatabasejFrame.setBackground(new java.awt.Color(244, 172, 183));

ViewPatientDatabasejFrame.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

ViewPatientDatabasejFrame.setForeground(new java.awt.Color(255, 255, 255));

ViewPatientDatabasejFrame.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

ViewPatientDatabasejFrame.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icons/icons8\_database\_26px.png"))); // NOI18N

ViewPatientDatabasejFrame.setText("View patient database");

ViewPatientDatabasejFrame.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

ViewPatientDatabasejFrameMouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

ViewPatientDatabasejFrameMouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

ViewPatientDatabasejFrameMouseExited(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(ViewPatientDatabasejFrame, javax.swing.GroupLayout.PREFERRED\_SIZE, 651, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

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

.addComponent(ViewPatientDatabasejFrame, javax.swing.GroupLayout.DEFAULT\_SIZE, 80, Short.MAX\_VALUE)

);

jPanel3.setBackground(new java.awt.Color(244, 172, 183));

InvoiceCreatorjFrame.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

InvoiceCreatorjFrame.setForeground(new java.awt.Color(255, 255, 255));

InvoiceCreatorjFrame.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

InvoiceCreatorjFrame.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icons/icons8\_bill\_26px.png"))); // NOI18N

InvoiceCreatorjFrame.setText("Invoice creator");

InvoiceCreatorjFrame.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

InvoiceCreatorjFrameMouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

InvoiceCreatorjFrameMouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

InvoiceCreatorjFrameMouseExited(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addComponent(InvoiceCreatorjFrame, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel3Layout.setVerticalGroup(

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

.addComponent(InvoiceCreatorjFrame, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 80, Short.MAX\_VALUE)

);

jPanel4.setBackground(new java.awt.Color(244, 172, 183));

AppointmentCreatorjFrame.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

AppointmentCreatorjFrame.setForeground(new java.awt.Color(255, 255, 255));

AppointmentCreatorjFrame.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

AppointmentCreatorjFrame.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icons/icons8\_planner\_26px.png"))); // NOI18N

AppointmentCreatorjFrame.setText("Appointment creator");

AppointmentCreatorjFrame.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

AppointmentCreatorjFrameMouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

AppointmentCreatorjFrameMouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

AppointmentCreatorjFrameMouseExited(evt);

}

});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(AppointmentCreatorjFrame, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(AppointmentCreatorjFrame, javax.swing.GroupLayout.DEFAULT\_SIZE, 80, Short.MAX\_VALUE)

);

jPanel6.setBackground(new java.awt.Color(157, 129, 139));

jLabel6.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel6.setForeground(new java.awt.Color(255, 255, 255));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setVerticalAlignment(javax.swing.SwingConstants.TOP);

jLabel5.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel5.setForeground(new java.awt.Color(255, 255, 255));

jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel5.setVerticalAlignment(javax.swing.SwingConstants.BOTTOM);

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

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)))

);

jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel6Layout.createSequentialGroup()

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 60, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel5Layout.createSequentialGroup()

.addGap(201, 201, 201)

.addComponent(DashboardLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 277, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jPanel1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.LEADING, 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)

.addComponent(jPanel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(0, 0, Short.MAX\_VALUE))

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(DashboardLabel, 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))

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.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(18, 18, 18)

.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))

);

Panel2.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(Panel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(Panel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

public void setColor(JPanel p){

p.setBackground(new Color(255,218,220));

}

public void removeColor(JPanel p){

p.setBackground(new Color(244,172,183));

}

private void UpdateDatabasejFrameMouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_UpdateDatabasejFrameMouseEntered

setColor(jPanel1);

}//GEN-LAST:event\_UpdateDatabasejFrameMouseEntered

private void UpdateDatabasejFrameMouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_UpdateDatabasejFrameMouseExited

removeColor(jPanel1);

}//GEN-LAST:event\_UpdateDatabasejFrameMouseExited

private void ViewPatientDatabasejFrameMouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_ViewPatientDatabasejFrameMouseEntered

setColor(jPanel2);

}//GEN-LAST:event\_ViewPatientDatabasejFrameMouseEntered

private void ViewPatientDatabasejFrameMouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_ViewPatientDatabasejFrameMouseExited

removeColor(jPanel2);

}//GEN-LAST:event\_ViewPatientDatabasejFrameMouseExited

private void InvoiceCreatorjFrameMouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_InvoiceCreatorjFrameMouseEntered

setColor(jPanel3);

}//GEN-LAST:event\_InvoiceCreatorjFrameMouseEntered

private void InvoiceCreatorjFrameMouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_InvoiceCreatorjFrameMouseExited

removeColor(jPanel3);

}//GEN-LAST:event\_InvoiceCreatorjFrameMouseExited

private void AppointmentCreatorjFrameMouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_AppointmentCreatorjFrameMouseEntered

setColor(jPanel4);

}//GEN-LAST:event\_AppointmentCreatorjFrameMouseEntered

private void AppointmentCreatorjFrameMouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_AppointmentCreatorjFrameMouseExited

removeColor(jPanel4);

}//GEN-LAST:event\_AppointmentCreatorjFrameMouseExited

private void UpdateDatabasejFrameKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_UpdateDatabasejFrameKeyPressed

// TODO add your handling code here:

}//GEN-LAST:event\_UpdateDatabasejFrameKeyPressed

private void UpdateDatabasejFrameMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_UpdateDatabasejFrameMouseClicked

}//GEN-LAST:event\_UpdateDatabasejFrameMouseClicked

private void ViewPatientDatabasejFrameMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_ViewPatientDatabasejFrameMouseClicked

Access\_Patient\_Database edit= new Access\_Patient\_Database ();

edit.setVisible(true);

this.setVisible(false);

this.dispose();

}//GEN-LAST:event\_ViewPatientDatabasejFrameMouseClicked

private void InvoiceCreatorjFrameMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_InvoiceCreatorjFrameMouseClicked

Invoice\_Manager a= new Invoice\_Manager();

a.setVisible(true);

this.setVisible(false);

}//GEN-LAST:event\_InvoiceCreatorjFrameMouseClicked

private void UpdateDatabasejFrameMousePressed(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_UpdateDatabasejFrameMousePressed

Modify\_Patient\_Database a= new Modify\_Patient\_Database();

a.setVisible(true);

this.setVisible(false);

this.dispose();

}//GEN-LAST:event\_UpdateDatabasejFrameMousePressed

private void AppointmentCreatorjFrameMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_AppointmentCreatorjFrameMouseClicked

Appointment\_Database a= new Appointment\_Database();

a.setVisible(true);

this.setVisible(false);

}//GEN-LAST:event\_AppointmentCreatorjFrameMouseClicked

/\*\*

\* @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(Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(() -> {

new Dashboard().setVisible(true);

});

}

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

private javax.swing.JLabel AppointmentCreatorjFrame;

private javax.swing.JLabel DashboardLabel;

private javax.swing.JLabel InvoiceCreatorjFrame;

private javax.swing.JPanel Panel2;

private javax.swing.JLabel UpdateDatabasejFrame;

private javax.swing.JLabel ViewPatientDatabasejFrame;

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.JPanel jPanel5;

private javax.swing.JPanel jPanel6;

// End of variables declaration//GEN-END:variables

}

***Modify\_Patient\_Database.java***

package csia;

import java.awt.HeadlessException;

import java.io.File;

import java.sql.\*;

import java.sql.Connection;

import java.sql.ResultSet;

import java.util.Random;

import javax.swing.JFileChooser;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

import net.proteanit.sql.DbUtils;

public class Modify\_Patient\_Database extends javax.swing.JFrame {

public Connection conn=null;

public ResultSet rs = null;

public PreparedStatement pst=null;

public final void ShowTableData(){

try{

conn = ReusableClasses.dbconnection.connection();

String populatedatabase = "SELECT \* FROM clinic\_database.patients;";

pst = conn.prepareStatement(populatedatabase);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.getColumnModel().getColumn(8).setMinWidth(0);

jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

} catch(SQLException e){

}

}

public Modify\_Patient\_Database() {

initComponents();

ShowTableData();

}

public void search(){

String SearchID = ID.getText();

String searchquerry="Select \* FROM `clinic\_database`.`patients` WHERE (`ID` = '" + SearchID +"');" ;

try{

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.getColumnModel().getColumn(8).setMinWidth(0);

jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

}catch(SQLException E){

JOptionPane.showMessageDialog(null, "There has been an error: " + E);

}

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

ID = new javax.swing.JTextField();

fname = new javax.swing.JTextField();

email = new javax.swing.JTextField();

phonenumber = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

AddIntoDatabase = new javax.swing.JButton();

UpdateDatabase = new javax.swing.JButton();

DeleteFromDatabase = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel5 = new javax.swing.JLabel();

gender = new javax.swing.JComboBox<>();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

address = new javax.swing.JTextField();

designateddoctor = new javax.swing.JComboBox<>();

age = new javax.swing.JTextField();

jButton4 = new javax.swing.JButton();

dentalscanpath = new javax.swing.JTextField();

verify\_attachment = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

ResetTable = new javax.swing.JButton();

ExitButton = new javax.swing.JButton();

jLabel9 = new javax.swing.JLabel();

lname = new javax.swing.JTextField();

Clear = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

jLabel2.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel2.setForeground(new java.awt.Color(102, 102, 102));

jLabel2.setText("First Name");

jLabel3.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel3.setForeground(new java.awt.Color(102, 102, 102));

jLabel3.setText("Last Name");

ID.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

ID.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

IDActionPerformed(evt);

}

});

ID.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

IDKeyReleased(evt);

}

});

fname.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

fname.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fnameActionPerformed(evt);

}

});

email.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

email.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

emailActionPerformed(evt);

}

});

phonenumber.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

phonenumber.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

phonenumberActionPerformed(evt);

}

});

jLabel4.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel4.setForeground(new java.awt.Color(102, 102, 102));

jLabel4.setText("Age");

AddIntoDatabase.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

AddIntoDatabase.setForeground(new java.awt.Color(102, 102, 102));

AddIntoDatabase.setText("Add patient");

AddIntoDatabase.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

AddIntoDatabaseActionPerformed(evt);

}

});

UpdateDatabase.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

UpdateDatabase.setForeground(new java.awt.Color(102, 102, 102));

UpdateDatabase.setText("Update");

UpdateDatabase.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateDatabaseActionPerformed(evt);

}

});

DeleteFromDatabase.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

DeleteFromDatabase.setForeground(new java.awt.Color(102, 102, 102));

DeleteFromDatabase.setText("Delete");

DeleteFromDatabase.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteFromDatabaseActionPerformed(evt);

}

});

jTable1.setAutoCreateRowSorter(true);

jTable1.setBackground(new java.awt.Color(204, 204, 204));

jTable1.setFont(new java.awt.Font("Tw Cen MT", 0, 20)); // NOI18N

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

}

));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

public void mouseReleased(java.awt.event.MouseEvent evt) {

jTable1MouseReleased(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jLabel5.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel5.setForeground(new java.awt.Color(102, 102, 102));

jLabel5.setText("Sex");

gender.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

gender.setForeground(new java.awt.Color(102, 102, 102));

gender.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Male", "Female", "Prefer not to state" }));

gender.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

genderActionPerformed(evt);

}

});

jLabel6.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel6.setForeground(new java.awt.Color(102, 102, 102));

jLabel6.setText("Phone number");

jLabel7.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel7.setForeground(new java.awt.Color(102, 102, 102));

jLabel7.setText("Address");

jLabel8.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel8.setForeground(new java.awt.Color(102, 102, 102));

jLabel8.setText("Designated doctor");

address.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

address.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

addressActionPerformed(evt);

}

});

designateddoctor.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

designateddoctor.setForeground(new java.awt.Color(102, 102, 102));

designateddoctor.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Dr Sara", "Dr Ema", "Dr Anita" }));

age.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jButton4.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jButton4.setForeground(new java.awt.Color(102, 102, 102));

jButton4.setText("Attach a dental scan");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

dentalscanpath.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

dentalscanpath.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

dentalscanpathActionPerformed(evt);

}

});

verify\_attachment.setBackground(new java.awt.Color(255, 255, 255));

verify\_attachment.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

jButton1.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Search by ID");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

ResetTable.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

ResetTable.setForeground(new java.awt.Color(102, 102, 102));

ResetTable.setText("Show all patients");

ResetTable.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ResetTableActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

ExitButton.setForeground(new java.awt.Color(102, 102, 102));

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

jLabel9.setForeground(new java.awt.Color(102, 102, 102));

jLabel9.setText("Email");

lname.setFont(new java.awt.Font("Tw Cen MT", 0, 22)); // NOI18N

lname.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

lnameActionPerformed(evt);

}

});

Clear.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

Clear.setForeground(new java.awt.Color(102, 102, 102));

Clear.setText("Clear");

Clear.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(12, 12, 12)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 1059, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

.addComponent(DeleteFromDatabase, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(AddIntoDatabase, javax.swing.GroupLayout.PREFERRED\_SIZE, 215, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(ResetTable, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(Clear, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(UpdateDatabase, javax.swing.GroupLayout.PREFERRED\_SIZE, 190, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 215, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(10, 10, 10)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jButton1)

.addGap(18, 18, 18)

.addComponent(ID, javax.swing.GroupLayout.PREFERRED\_SIZE, 143, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel3)

.addComponent(jLabel2))

.addGap(29, 29, 29)

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

.addComponent(fname, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(lname, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(38, 38, 38)

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addComponent(jLabel4)

.addGap(20, 20, 20)

.addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addComponent(jLabel6)

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

.addComponent(phonenumber, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addComponent(jLabel5)

.addGap(18, 18, 18)

.addComponent(gender, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jButton4)

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

.addComponent(dentalscanpath, javax.swing.GroupLayout.PREFERRED\_SIZE, 140, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel7)

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

.addComponent(address, javax.swing.GroupLayout.PREFERRED\_SIZE, 140, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(78, 78, 78)

.addComponent(jLabel8)

.addGap(13, 13, 13)

.addComponent(designateddoctor, javax.swing.GroupLayout.PREFERRED\_SIZE, 140, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(282, 282, 282)

.addComponent(verify\_attachment, javax.swing.GroupLayout.PREFERRED\_SIZE, 279, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(443, 443, 443)

.addComponent(jLabel9)

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

.addComponent(email, javax.swing.GroupLayout.PREFERRED\_SIZE, 319, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {address, age, dentalscanpath, designateddoctor, fname, gender, phonenumber});

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {AddIntoDatabase, DeleteFromDatabase, ResetTable, UpdateDatabase});

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 409, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(AddIntoDatabase)

.addGap(33, 33, 33)

.addComponent(UpdateDatabase)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(DeleteFromDatabase)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ResetTable)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ExitButton)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(Clear)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(verify\_attachment, javax.swing.GroupLayout.PREFERRED\_SIZE, 18, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(17, 17, 17)

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

.addComponent(ID, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(gender, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(address, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(18, 18, Short.MAX\_VALUE)

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

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

.addComponent(fname, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2))

.addComponent(jLabel4)

.addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8)

.addComponent(designateddoctor, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel3)

.addComponent(jButton4)

.addComponent(dentalscanpath, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel6)

.addComponent(lname, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(phonenumber, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(18, 18, 18)

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

.addComponent(jLabel9)

.addComponent(email, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(4, 4, 4))))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {ID, address, age, dentalscanpath, designateddoctor, email, fname, gender, phonenumber});

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {AddIntoDatabase, DeleteFromDatabase, ResetTable, UpdateDatabase});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 1306, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void addressActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_addressActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_addressActionPerformed

private void genderActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_genderActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_genderActionPerformed

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

}//GEN-LAST:event\_jTable1MouseClicked

private void DeleteFromDatabaseActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteFromDatabaseActionPerformed

try{

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int rownumber = jTable1.getSelectedRow();

String temporaryidentity= model.getValueAt(rownumber, 0).toString();

int finalidentity = Integer.parseInt(temporaryidentity);

String deletequerry="DELETE FROM `clinic\_database`.`patients` WHERE (`ID` = '" + finalidentity +"');" ;

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(deletequerry);

pst.executeUpdate();

ShowTableData();

} catch(NumberFormatException | SQLException e){

JOptionPane.showMessageDialog(null,e);

}

}//GEN-LAST:event\_DeleteFromDatabaseActionPerformed

private void UpdateDatabaseActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateDatabaseActionPerformed

try{

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int identity = jTable1.getSelectedRow();

String temporaryID= model.getValueAt(identity, 0).toString();

int ID = Integer.parseInt(temporaryID);

String insertquerry= "UPDATE `clinic\_database`.`patients` SET `First name` = ?, `Last name` = ?, `Sex` = ?, `Age` = ?, `Phone number` = ?, `Address` = ?, `Dentist` = ?,`Email` = ? WHERE (`ID` =" +ID +" );";

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(insertquerry);

pst.setString(1, fname.getText());

pst.setString(2, lname.getText());

pst.setString(3, gender.getSelectedItem().toString());

pst.setString(4, age.getText());

pst.setString(5, phonenumber.getText());

pst.setString(6, address.getText());

pst.setString(7, designateddoctor.getSelectedItem().toString());

pst.setString(8, email.getText());

if(dentalscanpath.getText().isEmpty()){

}else{

String attachmentquerry= "UPDATE `clinic\_database`.`patients` SET `Dental scan` = ? WHERE (`ID` =" +ID +" );";

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(attachmentquerry);

pst.setString(1,dentalscanpath.getText());

pst.executeUpdate();

}

pst.executeUpdate();

ShowTableData();

} catch(SQLException e){

JOptionPane.showMessageDialog(null,"There has been an error: " +e);

}

}//GEN-LAST:event\_UpdateDatabaseActionPerformed

private void AddIntoDatabaseActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_AddIntoDatabaseActionPerformed

try{

String insertquerry= "INSERT INTO `clinic\_database`.`patients` (`ID`, `First name`, `Last name`, `Sex`, `Age`, `Phone number`, `Address`,"+

" `Dentist`, `Dental scan`, `Email` ) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?);" ;

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(insertquerry);

int i = new Random().nextInt(90000) + 1000;

String str = String.valueOf(i);

pst.setString(1, str);

pst.setString(2, fname.getText());

pst.setString(3, lname.getText());

pst.setString(4, gender.getSelectedItem().toString());

pst.setString(5, age.getText());

pst.setString(6, phonenumber.getText());

pst.setString(7, address.getText());

pst.setString(8, designateddoctor.getSelectedItem().toString());

pst.setString(9, dentalscanpath.getText());

pst.setString(10, email.getText());

pst.executeUpdate();

ShowTableData();

if(dentalscanpath.getText().isEmpty()){

}else{

verify\_attachment.setText("Image succesfully inserted!");}

} catch(SQLException e){

JOptionPane.showMessageDialog(null,e);

}

}//GEN-LAST:event\_AddIntoDatabaseActionPerformed

private void phonenumberActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_phonenumberActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_phonenumberActionPerformed

private void emailActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_emailActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_emailActionPerformed

private void fnameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_fnameActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_fnameActionPerformed

private void IDActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_IDActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_IDActionPerformed

private void IDKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_IDKeyReleased

}//GEN-LAST:event\_IDKeyReleased

private void jTable1MouseReleased(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseReleased

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

fname.setText(model.getValueAt(selectedRowIndex, 1).toString());

lname.setText(model.getValueAt(selectedRowIndex, 2).toString());

email.setText(model.getValueAt(selectedRowIndex, 9).toString());

String genders= model.getValueAt(selectedRowIndex, 3).toString();

switch(genders){

case "Male":

gender.setSelectedIndex(0);

break;

case "Female":

gender.setSelectedIndex(1);

break;

}

age.setText(model.getValueAt(selectedRowIndex, 4).toString());

phonenumber.setText(model.getValueAt(selectedRowIndex, 5).toString());

address.setText(model.getValueAt(selectedRowIndex, 6).toString());

String doctor =model.getValueAt(selectedRowIndex, 7).toString();

switch(doctor){

case "Dr Sara":

designateddoctor.setSelectedIndex(0);

break;

case "Dr Ema":

designateddoctor.setSelectedIndex(1);

break;

case "Dr Anita":

designateddoctor.setSelectedIndex(2);

break;

}

}//GEN-LAST:event\_jTable1MouseReleased

private void dentalscanpathActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_dentalscanpathActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_dentalscanpathActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

try{

JFileChooser chooser = new JFileChooser();

chooser.showOpenDialog(null);

File dentalscan = chooser.getSelectedFile();

String dentalscanfilename = dentalscan.getAbsolutePath();

dentalscanpath.setText(dentalscanfilename);

} catch (HeadlessException e){

JOptionPane.showMessageDialog(null, "Failed to attach the image, try again");

}

}//GEN-LAST:event\_jButton4ActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

search();

}//GEN-LAST:event\_jButton1ActionPerformed

private void ResetTableActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ResetTableActionPerformed

ShowTableData();

}//GEN-LAST:event\_ResetTableActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

Dashboard Dash= new Dashboard ();

Dash.setVisible(true);

this.setVisible(false);

this.dispose();

}//GEN-LAST:event\_ExitButtonActionPerformed

private void lnameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_lnameActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_lnameActionPerformed

private void ClearActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearActionPerformed

fname.setText("");

lname.setText("");

age.setText("");

phonenumber.setText("");

address.setText("");

email.setText("");

}//GEN-LAST:event\_ClearActionPerformed

/\*\*

\* @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(Modify\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Modify\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Modify\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Modify\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

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/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Modify\_Patient\_Database().setVisible(true);

}

});

}

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

private javax.swing.JButton AddIntoDatabase;

private javax.swing.JButton Clear;

private javax.swing.JButton DeleteFromDatabase;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField ID;

private javax.swing.JButton ResetTable;

private javax.swing.JButton UpdateDatabase;

private javax.swing.JTextField address;

private javax.swing.JTextField age;

private javax.swing.JTextField dentalscanpath;

private javax.swing.JComboBox<String> designateddoctor;

private javax.swing.JTextField email;

private javax.swing.JTextField fname;

private javax.swing.JComboBox<String> gender;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

private javax.swing.JTextField lname;

private javax.swing.JTextField phonenumber;

private javax.swing.JLabel verify\_attachment;

// End of variables declaration//GEN-END:variables

}

***Access\_Patient\_Database.java***

/\*

\* 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 csia;

import java.sql.\*;

import java.sql.Connection;

import java.sql.ResultSet;

import javax.swing.JFrame;

import javax.swing.table.DefaultTableModel;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author VivoBook

\*/

public class Access\_Patient\_Database extends javax.swing.JFrame {

public Connection conn=null;

public ResultSet rs = null;

public PreparedStatement pst=null;

public final void ShowTableData(){

try{

conn = ReusableClasses.dbconnection.connection();

String populatedatabase = "SELECT \* FROM `clinic\_database`.patients;";

pst = conn.prepareStatement(populatedatabase);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.getColumnModel().getColumn(3).setMinWidth(0);

jTable1.getColumnModel().getColumn(3).setMaxWidth(0);

jTable1.getColumnModel().getColumn(5).setMinWidth(0);

jTable1.getColumnModel().getColumn(5).setMaxWidth(0);

jTable1.getColumnModel().getColumn(6).setMinWidth(0);

jTable1.getColumnModel().getColumn(6).setMaxWidth(0);

jTable1.getColumnModel().getColumn(7).setMinWidth(0);

jTable1.getColumnModel().getColumn(7).setMaxWidth(0);

jTable1.getColumnModel().getColumn(8).setMinWidth(0);

jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

jTable1.getColumnModel().getColumn(9).setMinWidth(0);

jTable1.getColumnModel().getColumn(9).setMaxWidth(0);

} catch(SQLException e){

}

}

Patient\_Data SelectedData = new Patient\_Data();

public Access\_Patient\_Database()

{

initComponents();

ShowTableData();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jMenuItem1 = new javax.swing.JMenuItem();

jPanel1 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

ID = new javax.swing.JTextField();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jMenuItem1.setText("jMenuItem1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"ID", "First name", "Last name", "Gender", "Age", "Phone number", "Address", "Designated doctor"

}

));

jTable1.setColumnSelectionAllowed(true);

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

public void mouseReleased(java.awt.event.MouseEvent evt) {

jTable1MouseReleased(evt);

}

});

jTable1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

jTable1KeyReleased(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable1.getColumnModel().getSelectionModel().setSelectionMode(javax.swing.ListSelectionModel.SINGLE\_SELECTION);

jLabel1.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

jLabel1.setForeground(new java.awt.Color(102, 102, 102));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Select patient");

jLabel1.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

jButton1.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Search by ID");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

ID.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton2.setForeground(new java.awt.Color(102, 102, 102));

jButton2.setText("Show all");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton3.setForeground(new java.awt.Color(102, 102, 102));

jButton3.setText("Exit");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(436, 436, 436)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 301, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(21, 21, 21)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 179, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(44, 44, 44)

.addComponent(ID, javax.swing.GroupLayout.PREFERRED\_SIZE, 302, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(139, 139, 139)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 201, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 194, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 1122, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(29, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 506, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 25, Short.MAX\_VALUE)

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

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

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ID, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jButton3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(37, 37, 37))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jTable1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_jTable1KeyReleased

}//GEN-LAST:event\_jTable1KeyReleased

private void jTable1MouseReleased(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseReleased

}//GEN-LAST:event\_jTable1MouseReleased

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

try{

int selectedRowIndex = jTable1.getSelectedRow();

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

String ID = model.getValueAt(selectedRowIndex, 0).toString();

String firstname = model.getValueAt(selectedRowIndex, 1).toString();

String lastname = model.getValueAt(selectedRowIndex, 2).toString();

String genders= model.getValueAt(selectedRowIndex, 3).toString();

String age = model.getValueAt(selectedRowIndex, 4).toString();

String phonenumber = model.getValueAt(selectedRowIndex, 5).toString();

String address = model.getValueAt(selectedRowIndex, 6).toString();

String doctor =model.getValueAt(selectedRowIndex, 7).toString();

String filep = model.getValueAt(selectedRowIndex, 8).toString();

Patient\_Data dataframe = new Patient\_Data ();

dataframe.setVisible(true);

SelectedData.pack();

SelectedData.setLocationRelativeTo(null);

SelectedData.setDefaultCloseOperation(JFrame.DISPOSE\_ON\_CLOSE);

Patient\_Data.IDdat.setText(ID);

Patient\_Data.fnamedata.setText(firstname);

Patient\_Data.lnamedata.setText(lastname);

Patient\_Data.agedata.setText(age);

switch(genders){

case "Male":

Patient\_Data.genderdata.setText("Male");

break;

case "Female":

Patient\_Data.genderdata.setText("Female");

break;

}

Patient\_Data.phonenumberdata.setText(phonenumber);

Patient\_Data.addressdata.setText(address);

switch(doctor){

case "Dr Sara":

Patient\_Data.designateddoctordata.setText("Dr Sara");

break;

case "Dr Ema":

Patient\_Data.designateddoctordata.setText("Dr Ema");

break;

case "Dr Anita":

Patient\_Data.designateddoctordata.setText("Dr Anita");

break;

}

Patient\_Data.filepathdata.setText(filep);

}catch(Exception e){

System.out.println(e);

}

}//GEN-LAST:event\_jTable1MouseClicked

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

String SearchID = ID.getText();

String searchquerry="SELECT \* FROM `clinic\_database`.`patients` WHERE (`ID` = '" + SearchID +"');" ;

try{

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.getColumnModel().getColumn(3).setMinWidth(0);

jTable1.getColumnModel().getColumn(3).setMaxWidth(0);

jTable1.getColumnModel().getColumn(5).setMinWidth(0);

jTable1.getColumnModel().getColumn(5).setMaxWidth(0);

jTable1.getColumnModel().getColumn(6).setMinWidth(0);

jTable1.getColumnModel().getColumn(6).setMaxWidth(0);

jTable1.getColumnModel().getColumn(7).setMinWidth(0);

jTable1.getColumnModel().getColumn(7).setMaxWidth(0);

jTable1.getColumnModel().getColumn(8).setMinWidth(0);

jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

jTable1.getColumnModel().getColumn(9).setMinWidth(0);

jTable1.getColumnModel().getColumn(9).setMaxWidth(0);

}catch(SQLException E){

System.out.println(E);

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

try{

conn = ReusableClasses.dbconnection.connection();

String populatedatabase = "SELECT \* FROM clinic\_database.patients;";

pst = conn.prepareStatement(populatedatabase);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.getColumnModel().getColumn(3).setMinWidth(0);

jTable1.getColumnModel().getColumn(3).setMaxWidth(0);

jTable1.getColumnModel().getColumn(5).setMinWidth(0);

jTable1.getColumnModel().getColumn(5).setMaxWidth(0);

jTable1.getColumnModel().getColumn(6).setMinWidth(0);

jTable1.getColumnModel().getColumn(6).setMaxWidth(0);

jTable1.getColumnModel().getColumn(7).setMinWidth(0);

jTable1.getColumnModel().getColumn(7).setMaxWidth(0);

jTable1.getColumnModel().getColumn(8).setMinWidth(0);

jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

jTable1.getColumnModel().getColumn(9).setMinWidth(0);

jTable1.getColumnModel().getColumn(9).setMaxWidth(0);

jTable1.getColumnModel().getColumn(8).setMinWidth(0);

jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

} catch(SQLException e){

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

Dashboard Dash= new Dashboard ();

Dash.setVisible(true);

this.setVisible(false);

this.dispose();

}//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(Access\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Access\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Access\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Access\_Patient\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

//</editor-fold>

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//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Access\_Patient\_Database().setVisible(true);

}

});

}

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

private javax.swing.JTextField ID;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JLabel jLabel1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

public javax.swing.JTable jTable1;

// End of variables declaration//GEN-END:variables

}

***Patient\_Data.java***

/\*

\* 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 csia;

import java.io.IOException;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author VivoBook

\*/

public class Patient\_Data extends javax.swing.JFrame {

String filepath;

public Connection conn=null;

public ResultSet rs = null;

public PreparedStatement pst=null;

/\*\*

\* Creates new form PatientData

\*/

public Patient\_Data() {

initComponents();

}

void ShowTableData(String s){

try{

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(s);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

}catch(SQLException e){

System.out.println(e);

}

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel3 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

Exit = new javax.swing.JButton();

jButton1 = new javax.swing.JButton();

IDdat = new javax.swing.JTextField();

fnamedata = new javax.swing.JTextField();

lnamedata = new javax.swing.JTextField();

genderdata = new javax.swing.JTextField();

agedata = new javax.swing.JTextField();

phonenumberdata = new javax.swing.JTextField();

addressdata = new javax.swing.JTextField();

designateddoctordata = new javax.swing.JTextField();

filepathdata = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

jScrollPane2 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

area = new javax.swing.JTextArea();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

jLabel3.setBackground(new java.awt.Color(0, 0, 0));

jLabel3.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel3.setForeground(new java.awt.Color(102, 102, 102));

jLabel3.setText("Last name:");

jLabel8.setBackground(new java.awt.Color(0, 0, 0));

jLabel8.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel8.setForeground(new java.awt.Color(102, 102, 102));

jLabel8.setText("Designated doctor:");

jLabel6.setBackground(new java.awt.Color(0, 0, 0));

jLabel6.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel6.setForeground(new java.awt.Color(102, 102, 102));

jLabel6.setText("Phone number:");

jLabel2.setBackground(new java.awt.Color(0, 0, 0));

jLabel2.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel2.setForeground(new java.awt.Color(102, 102, 102));

jLabel2.setText("First name:");

jLabel7.setBackground(new java.awt.Color(0, 0, 0));

jLabel7.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel7.setForeground(new java.awt.Color(102, 102, 102));

jLabel7.setText("Address:");

jLabel4.setBackground(new java.awt.Color(0, 0, 0));

jLabel4.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel4.setForeground(new java.awt.Color(102, 102, 102));

jLabel4.setText("Sex:");

jLabel5.setBackground(new java.awt.Color(0, 0, 0));

jLabel5.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel5.setForeground(new java.awt.Color(102, 102, 102));

jLabel5.setText("Age:");

jLabel1.setBackground(new java.awt.Color(0, 0, 0));

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

jLabel1.setForeground(new java.awt.Color(102, 102, 102));

jLabel1.setText("ID:");

Exit.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

Exit.setForeground(new java.awt.Color(102, 102, 102));

Exit.setText("Exit");

Exit.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitActionPerformed(evt);

}

});

jButton1.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Show dental scan");

jButton1.setBorder(null);

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

fnamedata.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fnamedataActionPerformed(evt);

}

});

lnamedata.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

lnamedataActionPerformed(evt);

}

});

agedata.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

agedataActionPerformed(evt);

}

});

phonenumberdata.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

phonenumberdataActionPerformed(evt);

}

});

addressdata.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

addressdataActionPerformed(evt);

}

});

filepathdata.setForeground(new java.awt.Color(255, 202, 212));

filepathdata.setText("ewqwqewqewqe");

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton2.setForeground(new java.awt.Color(102, 102, 102));

jButton2.setText("Print patient data");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

}

));

jScrollPane2.setViewportView(jTable1);

jButton3.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton3.setForeground(new java.awt.Color(102, 102, 102));

jButton3.setText("Check upcoming appointments");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jButton4.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton4.setForeground(new java.awt.Color(102, 102, 102));

jButton4.setText("Check invoices");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

area.setColumns(20);

area.setRows(5);

jScrollPane1.setViewportView(area);

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

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

.addGap(74, 74, 74)

.addComponent(filepathdata, javax.swing.GroupLayout.PREFERRED\_SIZE, 133, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addGap(508, 508, 508)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 281, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(37, 37, 37)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(55, 55, 55)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 203, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(126, 126, 126)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 214, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(127, 127, 127)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel2)

.addComponent(jLabel8)

.addComponent(jLabel7)

.addComponent(jLabel6)

.addComponent(jLabel3)

.addComponent(jLabel4)

.addComponent(jLabel5)

.addComponent(jLabel1))

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

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

.addComponent(IDdat, javax.swing.GroupLayout.PREFERRED\_SIZE, 211, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fnamedata)

.addComponent(lnamedata)

.addComponent(addressdata)

.addComponent(genderdata)

.addComponent(agedata)

.addComponent(phonenumberdata)

.addComponent(designateddoctordata))

.addGap(43, 43, 43)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 514, javax.swing.GroupLayout.PREFERRED\_SIZE))))))

.addContainerGap(54, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 405, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(72, 72, 72))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {IDdat, addressdata, agedata, designateddoctordata, fnamedata, genderdata, lnamedata, phonenumberdata});

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {Exit, jButton1, jButton2});

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(52, 52, 52)

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(IDdat, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel2)

.addComponent(fnamedata, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addComponent(jLabel3))

.addComponent(lnamedata, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

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

.addComponent(jLabel4)

.addComponent(genderdata, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

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

.addComponent(jLabel5)

.addComponent(agedata, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

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

.addComponent(jLabel6)

.addComponent(phonenumberdata, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

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

.addComponent(jLabel7)

.addComponent(addressdata, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

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

.addComponent(designateddoctordata, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8)))

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))

.addGap(18, 18, 18)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 23, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(15, 15, 15)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

.addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 44, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 44, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(filepathdata, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(9, 9, 9))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {addressdata, agedata, designateddoctordata, phonenumberdata});

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {Exit, jButton1, jButton2});

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {jButton3, jButton4});

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.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void ExitActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitActionPerformed

this.setVisible(false);

this.dispose();

}//GEN-LAST:event\_ExitActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

String path = filepathdata.getText();

String expr = "rundll32 \"C:\\Program Files (x86)\\Windows Photo Viewer\\PhotoViewer.dll\", ImageView\_Fullscreen " + path;

try {

Runtime.getRuntime().exec(expr);

} catch (IOException ex) {

Logger.getLogger(Patient\_Data.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jTextField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_jTextField1ActionPerformed

private void agedataActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_agedataActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_agedataActionPerformed

private void phonenumberdataActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_phonenumberdataActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_phonenumberdataActionPerformed

private void addressdataActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_addressdataActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_addressdataActionPerformed

private void fnamedataActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_fnamedataActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_fnamedataActionPerformed

private void lnamedataActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_lnamedataActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_lnamedataActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

area.setText(area.getText()+"First name:\t\t\t"+ fnamedata.getText() + "\n\n" );

area.setText(area.getText()+"Last name:\t\t\t"+ lnamedata.getText() + "\n\n" );

area.setText(area.getText()+"Age:\t\t\t"+ agedata.getText() + "\n\n");

area.setText(area.getText()+"Sex:\t\t\t"+ genderdata.getText() + "\n\n" );

area.setText(area.getText()+"Phone number:\t\t"+ phonenumberdata.getText() +"\n\n");

area.setText(area.getText()+"Address:\t\t\t"+ addressdata.getText() + "\n\n");

area.setText(area.getText()+"Designated doctor:\t\t"+ designateddoctordata.getText() +"\n\n");

try{

area.print();

}catch(Exception e){

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

String populatedatabase = "SELECT `Doctor`, `Chair`, `Time slot`, `Date` FROM clinic\_database.appointments WHERE (`Patient ID` = '" + IDdat.getText() +"');";

ShowTableData(populatedatabase);

}//GEN-LAST:event\_jButton3ActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

String populatedatabase2 = "SELECT `Price`, `Date` FROM clinic\_database.invoicetable WHERE (`PatientID` = '" + IDdat.getText() +"');";

ShowTableData(populatedatabase2);

}//GEN-LAST:event\_jButton4ActionPerformed

/\*\*

\* @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(Patient\_Data.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Patient\_Data.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Patient\_Data.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Patient\_Data.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

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//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Patient\_Data().setVisible(true);

}

});

}

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

private javax.swing.JButton Exit;

public static javax.swing.JTextField IDdat;

public static javax.swing.JTextField addressdata;

public static javax.swing.JTextField agedata;

private javax.swing.JTextArea area;

public static javax.swing.JTextField designateddoctordata;

public static javax.swing.JLabel filepathdata;

public static javax.swing.JTextField fnamedata;

public static javax.swing.JTextField genderdata;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

public static javax.swing.JTextField lnamedata;

public static javax.swing.JTextField phonenumberdata;

// End of variables declaration//GEN-END:variables

}

***Invoice\_Manager.java***

/\*

\* 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 csia;

import java.awt.Color;

import java.awt.print.PrinterException;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.text.SimpleDateFormat;

import java.util.Date;

import java.util.Random;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

import javax.swing.table.DefaultTableModel;

import net.proteanit.sql.DbUtils;

import java.util.ArrayList;

import java.util.Iterator;

/\*\*

\*

\* @author VivoBook

\*/

public class Invoice\_Manager extends javax.swing.JFrame {

public Connection conn=null;

public ResultSet rs = null;

public PreparedStatement pst=null;

// public void ShowTableData(){

// try{

// conn = ReusableClasses.dbconnection.connection();

// String populatedatabase = "SELECT \* FROM clinic\_database.patients;";

// pst = conn.prepareStatement(populatedatabase);

// rs = pst.executeQuery();

// jTable1.setModel(DbUtils.resultSetToTableModel(rs));

// jTable1.getColumnModel().getColumn(3).setMinWidth(0);

// jTable1.getColumnModel().getColumn(3).setMaxWidth(0);

// jTable1.getColumnModel().getColumn(5).setMinWidth(0);

// jTable1.getColumnModel().getColumn(5).setMaxWidth(0);

// jTable1.getColumnModel().getColumn(6).setMinWidth(0);

// jTable1.getColumnModel().getColumn(6).setMaxWidth(0);

// jTable1.getColumnModel().getColumn(7).setMinWidth(0);

// jTable1.getColumnModel().getColumn(7).setMaxWidth(0);

// jTable1.getColumnModel().getColumn(8).setMinWidth(0);

// jTable1.getColumnModel().getColumn(8).setMaxWidth(0);

// } catch(SQLException e){

// }

// }

public void ShowTableData(){

try{

conn = ReusableClasses.dbconnection.connection();

String populatedatabase = "SELECT \* FROM clinic\_database.invoicetable;";

pst = conn.prepareStatement(populatedatabase);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

} catch(SQLException e){

}

}

Invoice\_Viewer SelectedData = new Invoice\_Viewer();

public Invoice\_Manager(){

initComponents();

// ShowTableData();

ShowTableData();

}

/\*\*

\* 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() {

MainPanelReceipt = new javax.swing.JPanel();

OptionsPanel = new javax.swing.JPanel();

InvoicePanelColorChange1 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

InvoicePanelColorChange2 = new javax.swing.JPanel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

InvoicePanelColorChange3 = new javax.swing.JPanel();

jLabel13 = new javax.swing.JLabel();

jPanel5 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

jTabbedPane1 = new javax.swing.JTabbedPane();

jPanel3 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

ExaminationCheckbox = new javax.swing.JCheckBox();

jLabel3 = new javax.swing.JLabel();

HeliofillCheckbox = new javax.swing.JCheckBox();

jLabel2 = new javax.swing.JLabel();

receiptage = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

Dentalcheckbox = new javax.swing.JCheckBox();

receiptlastname = new javax.swing.JTextField();

TartarCheckbox = new javax.swing.JCheckBox();

receiptname = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

area = new javax.swing.JTextArea();

receiptID = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jLabel7 = new javax.swing.JLabel();

NumberCheck = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

receiptadditionalprocedure = new javax.swing.JTextField();

receiptadditionalprice = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

jButton3 = new javax.swing.JButton();

jButton7 = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jScrollPane3 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton4 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

ID = new javax.swing.JTextField();

jButton6 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

MainPanelReceipt.setBackground(new java.awt.Color(255, 202, 212));

MainPanelReceipt.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

OptionsPanel.setBackground(new java.awt.Color(229, 152, 155));

InvoicePanelColorChange1.setBackground(new java.awt.Color(181, 131, 141));

jLabel10.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel10.setForeground(new java.awt.Color(255, 255, 255));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setText("Create an invoice");

jLabel10.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jLabel10MouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

jLabel10MouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

jLabel10MouseExited(evt);

}

});

javax.swing.GroupLayout InvoicePanelColorChange1Layout = new javax.swing.GroupLayout(InvoicePanelColorChange1);

InvoicePanelColorChange1.setLayout(InvoicePanelColorChange1Layout);

InvoicePanelColorChange1Layout.setHorizontalGroup(

InvoicePanelColorChange1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, InvoicePanelColorChange1Layout.createSequentialGroup()

.addContainerGap(21, Short.MAX\_VALUE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 198, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(21, 21, 21))

);

InvoicePanelColorChange1Layout.setVerticalGroup(

InvoicePanelColorChange1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, InvoicePanelColorChange1Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 53, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

InvoicePanelColorChange2.setBackground(new java.awt.Color(181, 131, 141));

jLabel11.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel11.setForeground(new java.awt.Color(255, 255, 255));

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel11.setText("View invoices");

jLabel11.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jLabel11MouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

jLabel11MouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

jLabel11MouseExited(evt);

}

});

javax.swing.GroupLayout InvoicePanelColorChange2Layout = new javax.swing.GroupLayout(InvoicePanelColorChange2);

InvoicePanelColorChange2.setLayout(InvoicePanelColorChange2Layout);

InvoicePanelColorChange2Layout.setHorizontalGroup(

InvoicePanelColorChange2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, InvoicePanelColorChange2Layout.createSequentialGroup()

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

InvoicePanelColorChange2Layout.setVerticalGroup(

InvoicePanelColorChange2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, InvoicePanelColorChange2Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 53, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jLabel12.setFont(new java.awt.Font("Tw Cen MT", 1, 36)); // NOI18N

jLabel12.setForeground(new java.awt.Color(255, 255, 255));

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel12.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icons/icons8\_settings\_26px.png"))); // NOI18N

jLabel12.setText("Options");

InvoicePanelColorChange3.setBackground(new java.awt.Color(181, 131, 141));

jLabel13.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jLabel13.setForeground(new java.awt.Color(255, 255, 255));

jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel13.setText("Exit");

jLabel13.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jLabel13MouseClicked(evt);

}

public void mouseEntered(java.awt.event.MouseEvent evt) {

jLabel13MouseEntered(evt);

}

public void mouseExited(java.awt.event.MouseEvent evt) {

jLabel13MouseExited(evt);

}

});

javax.swing.GroupLayout InvoicePanelColorChange3Layout = new javax.swing.GroupLayout(InvoicePanelColorChange3);

InvoicePanelColorChange3.setLayout(InvoicePanelColorChange3Layout);

InvoicePanelColorChange3Layout.setHorizontalGroup(

InvoicePanelColorChange3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, InvoicePanelColorChange3Layout.createSequentialGroup()

.addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

InvoicePanelColorChange3Layout.setVerticalGroup(

InvoicePanelColorChange3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, InvoicePanelColorChange3Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 53, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

javax.swing.GroupLayout OptionsPanelLayout = new javax.swing.GroupLayout(OptionsPanel);

OptionsPanel.setLayout(OptionsPanelLayout);

OptionsPanelLayout.setHorizontalGroup(

OptionsPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(InvoicePanelColorChange1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel12, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(InvoicePanelColorChange2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(InvoicePanelColorChange3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

OptionsPanelLayout.setVerticalGroup(

OptionsPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(OptionsPanelLayout.createSequentialGroup()

.addGap(111, 111, 111)

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 91, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(33, 33, 33)

.addComponent(InvoicePanelColorChange1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(64, 64, 64)

.addComponent(InvoicePanelColorChange2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(54, 54, 54)

.addComponent(InvoicePanelColorChange3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(138, Short.MAX\_VALUE))

);

MainPanelReceipt.add(OptionsPanel, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 240, 650));

jPanel5.setBackground(new java.awt.Color(255, 202, 212));

jLabel9.setBackground(new java.awt.Color(255, 255, 255));

jLabel9.setFont(new java.awt.Font("Tw Cen MT", 1, 52)); // NOI18N

jLabel9.setForeground(new java.awt.Color(102, 102, 102));

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel9.setText("Invoice manager");

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel5Layout.createSequentialGroup()

.addContainerGap(30, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 1088, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 76, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(61, Short.MAX\_VALUE))

);

MainPanelReceipt.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(226, -1, 1130, 150));

jPanel3.setBackground(new java.awt.Color(255, 202, 212));

jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jLabel1.setForeground(new java.awt.Color(102, 102, 102));

jLabel1.setText("ID");

jPanel3.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 21, 96, 22));

ExaminationCheckbox.setBackground(new java.awt.Color(255, 202, 212));

ExaminationCheckbox.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

ExaminationCheckbox.setForeground(new java.awt.Color(102, 102, 102));

ExaminationCheckbox.setText("Examination");

ExaminationCheckbox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExaminationCheckboxActionPerformed(evt);

}

});

jPanel3.add(ExaminationCheckbox, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 201, -1, -1));

jLabel3.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jLabel3.setForeground(new java.awt.Color(102, 102, 102));

jLabel3.setText("Last name");

jPanel3.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 112, 96, -1));

HeliofillCheckbox.setBackground(new java.awt.Color(255, 202, 212));

HeliofillCheckbox.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

HeliofillCheckbox.setForeground(new java.awt.Color(102, 102, 102));

HeliofillCheckbox.setText("Helio fill");

HeliofillCheckbox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

HeliofillCheckboxActionPerformed(evt);

}

});

jPanel3.add(HeliofillCheckbox, new org.netbeans.lib.awtextra.AbsoluteConstraints(243, 201, 125, -1));

jLabel2.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jLabel2.setForeground(new java.awt.Color(102, 102, 102));

jLabel2.setText("First name");

jPanel3.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 66, 96, 25));

receiptage.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

jPanel3.add(receiptage, new org.netbeans.lib.awtextra.AbsoluteConstraints(165, 159, 176, -1));

jLabel4.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jLabel4.setForeground(new java.awt.Color(102, 102, 102));

jLabel4.setText("Age");

jPanel3.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 160, 96, -1));

Dentalcheckbox.setBackground(new java.awt.Color(255, 202, 212));

Dentalcheckbox.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

Dentalcheckbox.setForeground(new java.awt.Color(102, 102, 102));

Dentalcheckbox.setText("Dental treatment");

Dentalcheckbox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DentalcheckboxActionPerformed(evt);

}

});

jPanel3.add(Dentalcheckbox, new org.netbeans.lib.awtextra.AbsoluteConstraints(243, 264, -1, -1));

receiptlastname.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

receiptlastname.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

receiptlastnameActionPerformed(evt);

}

});

jPanel3.add(receiptlastname, new org.netbeans.lib.awtextra.AbsoluteConstraints(165, 111, 176, -1));

TartarCheckbox.setBackground(new java.awt.Color(255, 202, 212));

TartarCheckbox.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

TartarCheckbox.setForeground(new java.awt.Color(102, 102, 102));

TartarCheckbox.setText("Tartar removal");

TartarCheckbox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

TartarCheckboxActionPerformed(evt);

}

});

jPanel3.add(TartarCheckbox, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 264, -1, -1));

receiptname.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

jPanel3.add(receiptname, new org.netbeans.lib.awtextra.AbsoluteConstraints(165, 66, 176, -1));

area.setColumns(20);

area.setRows(5);

jScrollPane1.setViewportView(area);

jPanel3.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(483, 0, 523, 414));

receiptID.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

receiptIDActionPerformed(evt);

}

});

receiptID.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

receiptIDKeyReleased(evt);

}

});

jPanel3.add(receiptID, new org.netbeans.lib.awtextra.AbsoluteConstraints(165, 21, 176, 27));

jButton1.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Generate invoice");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jPanel3.add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(197, 455, -1, 41));

jLabel7.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jLabel7.setForeground(new java.awt.Color(102, 102, 102));

jLabel7.setText("Pricing");

jPanel3.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(243, 347, 63, -1));

NumberCheck.setFont(new java.awt.Font("Tw Cen MT", 0, 20)); // NOI18N

NumberCheck.setForeground(new java.awt.Color(102, 102, 102));

jPanel3.add(NumberCheck, new org.netbeans.lib.awtextra.AbsoluteConstraints(472, 421, 405, 26));

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jButton2.setForeground(new java.awt.Color(102, 102, 102));

jButton2.setText("Print invoice");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jPanel3.add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(527, 454, 175, 41));

receiptadditionalprocedure.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

jPanel3.add(receiptadditionalprocedure, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 313, 115, -1));

receiptadditionalprice.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

receiptadditionalprice.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

receiptadditionalpriceActionPerformed(evt);

}

});

receiptadditionalprice.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyTyped(java.awt.event.KeyEvent evt) {

receiptadditionalpriceKeyTyped(evt);

}

});

jPanel3.add(receiptadditionalprice, new org.netbeans.lib.awtextra.AbsoluteConstraints(243, 313, 123, -1));

jLabel6.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jLabel6.setForeground(new java.awt.Color(102, 102, 102));

jLabel6.setText("Procedure");

jPanel3.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(64, 347, -1, -1));

jButton3.setFont(new java.awt.Font("Tw Cen MT", 1, 16)); // NOI18N

jButton3.setForeground(new java.awt.Color(102, 102, 102));

jButton3.setText("Search by ID");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jPanel3.add(jButton3, new org.netbeans.lib.awtextra.AbsoluteConstraints(348, 21, -1, -1));

jButton7.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jButton7.setForeground(new java.awt.Color(102, 102, 102));

jButton7.setText("Clear");

jButton7.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton7ActionPerformed(evt);

}

});

jPanel3.add(jButton7, new org.netbeans.lib.awtextra.AbsoluteConstraints(832, 454, 175, 41));

jTabbedPane1.addTab("tab1", jPanel3);

jPanel4.setBackground(new java.awt.Color(255, 202, 212));

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

}

));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable1);

jButton4.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jButton4.setForeground(new java.awt.Color(102, 102, 102));

jButton4.setText("Print Table");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

jButton5.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jButton5.setForeground(new java.awt.Color(102, 102, 102));

jButton5.setText("Search by User ID");

jButton5.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton5ActionPerformed(evt);

}

});

jButton6.setFont(new java.awt.Font("Tw Cen MT", 1, 20)); // NOI18N

jButton6.setForeground(new java.awt.Color(102, 102, 102));

jButton6.setText("Show all");

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(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addContainerGap(113, Short.MAX\_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(jPanel4Layout.createSequentialGroup()

.addComponent(ID, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton5)

.addGap(45, 45, 45)

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 161, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 858, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(54, 54, 54))

);

jPanel4Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {jButton4, jButton5, jButton6});

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(7, 7, 7)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 431, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton4, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 56, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 56, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 56, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(ID))

.addContainerGap())

);

jPanel4Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {jButton4, jButton5, jButton6});

jTabbedPane1.addTab("tab2", jPanel4);

MainPanelReceipt.add(jTabbedPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(230, 110, 1030, 540));

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(MainPanelReceipt, javax.swing.GroupLayout.PREFERRED\_SIZE, 1256, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

layout.setVerticalGroup(

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

.addComponent(MainPanelReceipt, javax.swing.GroupLayout.PREFERRED\_SIZE, 649, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

public void setColor(JPanel p){

p.setBackground(new Color(185,148,155));

}

public void removeColor(JPanel p){

p.setBackground(new Color(181,131,141));

}

private void receiptlastnameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_receiptlastnameActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_receiptlastnameActionPerformed

private void HeliofillCheckboxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_HeliofillCheckboxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_HeliofillCheckboxActionPerformed

private void DentalcheckboxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DentalcheckboxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DentalcheckboxActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

if(receiptname.getText().isEmpty() || receiptID.getText().isEmpty() || receiptlastname.getText().isEmpty() || receiptage.getText().isEmpty()){

JOptionPane.showMessageDialog(null,"There are empty fields, please try again!");

}else{

int f=0;

int i = new Random().nextInt(1000000) + 100000;

Date obj= new Date();

SimpleDateFormat formatter = new SimpleDateFormat("yyyy/MM/dd");

String date= obj.toString();

String strDate= formatter.format(obj);

area.setText(area.getText()+ date);

int finalPrice=0;

if(ExaminationCheckbox.isSelected()){

finalPrice= finalPrice+ 10;

}

if(HeliofillCheckbox.isSelected()){

finalPrice= finalPrice+ 25;

}

if(TartarCheckbox.isSelected()){

finalPrice= finalPrice+ 35;

}

if(Dentalcheckbox.isSelected()){

finalPrice= finalPrice+ 20;

}

String temp1 = receiptadditionalprice.getText();

if(temp1.isEmpty()){

}

else{

int additionalprice = Integer.parseInt(temp1);

finalPrice = finalPrice+additionalprice;

}

area.setText( "\n================================================================================\n" );

area.setText(area.getText()+"Date:\t\t\t "+ date + "\n\n" );

area.setText(area.getText()+"Invoice ID:\t\t\t "+ i + "\n\n" );

area.setText(area.getText()+"Patient ID:\t\t\t "+ receiptID.getText() + "\n\n" );

area.setText(area.getText()+"First name:\t\t\t "+ receiptname.getText() + "\n\n" );

area.setText(area.getText()+"Last name :\t\t\t "+ receiptlastname.getText() + "\n\n");

area.setText(area.getText()+"Age:\t\t\t "+ receiptage.getText() + "\n\n" );

if(receiptadditionalprocedure.getText().isEmpty()){

area.setText(area.getText()+"Additional procedure:\t\t "+ "No additional procedures" + "\n\n");

}

else{

area.setText(area.getText()+"Additional procedure:\t\t "+ receiptadditionalprocedure.getText() + "\n\n");

}

area.setText(area.getText()+"Final price:\t\t\t "+ finalPrice + "€" + "\n\n");

area.setText(area.getText()+"Procedures done:");

if(ExaminationCheckbox.isSelected()){

area.setText(area.getText() +"\t\t"+ "Examination" + "\n\n");

}

if(HeliofillCheckbox.isSelected()){

area.setText(area.getText()+"\t\t\t"+ "Heliofill" + "\n\n");

}

if(TartarCheckbox.isSelected()){

area.setText(area.getText()+"\t\t\t"+ "Tartar removal" + "\n\n");

}

if(Dentalcheckbox.isSelected()){

area.setText(area.getText()+"\t\t\t"+ "Dental treatment" + "\n\n");

}

area.setText(area.getText()+"\t\t\t"+ receiptadditionalprocedure.getText() + "\n\n");

SimpleDateFormat receiptdateobject = new SimpleDateFormat("dd/MM/yyyy");

int dialogButton = JOptionPane.YES\_NO\_OPTION;

JOptionPane.showConfirmDialog (null, "Are you sure?","WARNING", dialogButton);

if(dialogButton == JOptionPane.YES\_OPTION) {

f=1;

if(dialogButton == JOptionPane.NO\_OPTION) {

f=0;

}

}

if(f==1){

try{

conn = ReusableClasses.dbconnection.connection();

String insertquerry= "INSERT INTO `clinic\_database`.`invoicetable` (`InvoiceID`, `First Name`, `Last Name`, `PatientID`, `Price`, `Date`, `Procedure` ) VALUES (?, ?, ?, ?, ?, ?, ?);" ;

String receiptdate = receiptdateobject.format(obj);

pst = conn.prepareStatement(insertquerry);

int invoiceid = new Random().nextInt(90000) + 100000;

String str = String.valueOf(invoiceid);

pst.setString(1, str);

pst.setString(2, receiptname.getText());

pst.setString(3, receiptlastname.getText());

pst.setString(4, receiptID.getText());

String finalprice = Integer.toString(finalPrice) + "€";

pst.setString(5, finalprice);

pst.setString(6, strDate);

ArrayList<String> procedure = new ArrayList<>();

if(ExaminationCheckbox.isSelected()){

String examination = "Examination";

procedure.add(examination);

}

if(HeliofillCheckbox.isSelected()){

String helio = "Heliofill";

procedure.add(helio);

}

if(TartarCheckbox.isSelected()){

String tartar = "Tartar";

procedure.add(tartar);

}

if(Dentalcheckbox.isSelected()){

String dental = "Dental Treatment";

procedure.add(dental);

}

String additional = receiptadditionalprocedure.getText();

if(additional.isEmpty()){

}else{

procedure.add(additional);

}

StringBuilder sb = new StringBuilder();

for (String s : procedure) {

sb.append(s);

sb.append(", ");

}

pst.setString(7, sb.toString());

pst.executeUpdate();

}catch(SQLException e){

System.out.println(e);

}}

ShowTableData();

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void ExaminationCheckboxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExaminationCheckboxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_ExaminationCheckboxActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

try{

area.print();

}catch(PrinterException e){

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void receiptadditionalpriceActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_receiptadditionalpriceActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_receiptadditionalpriceActionPerformed

private void TartarCheckboxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_TartarCheckboxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_TartarCheckboxActionPerformed

private void receiptadditionalpriceKeyTyped(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_receiptadditionalpriceKeyTyped

try{

int check = Integer.parseInt(receiptadditionalprice.getText());

NumberCheck.setText("");

} catch(NumberFormatException e){

NumberCheck.setText("Please enter a number");

}

if(receiptadditionalprice.getText().isEmpty()){

NumberCheck.setText("");

}

}//GEN-LAST:event\_receiptadditionalpriceKeyTyped

private void receiptIDKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_receiptIDKeyReleased

}//GEN-LAST:event\_receiptIDKeyReleased

private void receiptIDActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_receiptIDActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_receiptIDActionPerformed

private void jLabel10MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel10MouseClicked

jTabbedPane1.setSelectedIndex(0);

}//GEN-LAST:event\_jLabel10MouseClicked

private void jLabel11MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel11MouseClicked

jTabbedPane1.setSelectedIndex(1);

}//GEN-LAST:event\_jLabel11MouseClicked

private void jLabel10MouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel10MouseEntered

setColor(InvoicePanelColorChange1);

}//GEN-LAST:event\_jLabel10MouseEntered

private void jLabel10MouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel10MouseExited

removeColor(InvoicePanelColorChange1);

}//GEN-LAST:event\_jLabel10MouseExited

private void jLabel11MouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel11MouseEntered

setColor(InvoicePanelColorChange2);

}//GEN-LAST:event\_jLabel11MouseEntered

private void jLabel11MouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel11MouseExited

removeColor(InvoicePanelColorChange2);

}//GEN-LAST:event\_jLabel11MouseExited

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

String SearchID = receiptID.getText();

String searchquerry="Select \* FROM `clinic\_database`.`patients` WHERE (`ID` = '" + SearchID +"');" ;

try{

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery();

if(rs.next()){

String firsname = rs.getString("First name");

String lastname = rs.getString("Last name");

String age = rs.getString("Age");

receiptname.setText(firsname);

receiptlastname.setText(lastname);

receiptage.setText(age);

}else{

JOptionPane.showMessageDialog(null, "ID has not been found, please try again!");

}

}catch(Exception E){

}

}//GEN-LAST:event\_jButton3ActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

try{jTable1.print();}catch(Exception s){

System.out.println(s);

}

}//GEN-LAST:event\_jButton4ActionPerformed

private void jLabel13MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel13MouseClicked

Dashboard Dash= new Dashboard ();

Dash.setVisible(true);

this.setVisible(false);

this.dispose();

}//GEN-LAST:event\_jLabel13MouseClicked

private void jLabel13MouseEntered(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel13MouseEntered

setColor(InvoicePanelColorChange3);

}//GEN-LAST:event\_jLabel13MouseEntered

private void jLabel13MouseExited(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel13MouseExited

removeColor(InvoicePanelColorChange3);

}//GEN-LAST:event\_jLabel13MouseExited

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

try{

int selectedRowIndex = jTable1.getSelectedRow();

DefaultTableModel model1 = (DefaultTableModel)jTable1.getModel();

String InvoiceID = model1.getValueAt(selectedRowIndex, 0).toString();

String FirstName = model1.getValueAt(selectedRowIndex, 1).toString();

String LastName = model1.getValueAt(selectedRowIndex, 2).toString();

String PatientID= model1.getValueAt(selectedRowIndex, 3).toString();

String Price = model1.getValueAt(selectedRowIndex, 4).toString();

String Date = model1.getValueAt(selectedRowIndex, 5).toString();

String Procedure = model1.getValueAt(selectedRowIndex, 6).toString();

Invoice\_Viewer ReceiptData = new Invoice\_Viewer();

ReceiptData.setVisible(true);

ReceiptData.pack();

ReceiptData.setLocationRelativeTo(null);

ReceiptData.setDefaultCloseOperation(JFrame.DISPOSE\_ON\_CLOSE);

Invoice\_Viewer.ReceiptArea.setText( "\n===================================================================================\n" );

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"Date:\t\t\t\t"+ Date + "\n\n" );

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"Invoice ID:\t\t\t\t"+ InvoiceID + "\n\n" );

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"Patient ID:\t\t\t\t"+ PatientID + "\n\n" );

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"First name:\t\t\t\t"+ FirstName + "\n\n" );

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"Last name:\t\t\t\t"+ LastName + "\n\n");

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"Procedures done:\t\t\t"+ Procedure +"\n\n");

Invoice\_Viewer.ReceiptArea.setText(Invoice\_Viewer.ReceiptArea.getText()+"Price:\t\t\t\t"+ Price + "\n\n" );

}catch(Exception e){

}

}//GEN-LAST:event\_jTable1MouseClicked

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton6ActionPerformed

String searchquerry="Select \* FROM `clinic\_database`.`invoicetable`";

try{

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

}catch(SQLException E){

}

}//GEN-LAST:event\_jButton6ActionPerformed

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton5ActionPerformed

String SearchID = ID.getText();

String searchquerry="Select \* FROM `clinic\_database`.`invoicetable` WHERE (`PatientID` = '" + SearchID +"');" ;

try{

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

}catch(SQLException E){

}

}//GEN-LAST:event\_jButton5ActionPerformed

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton7ActionPerformed

area.setText("");

}//GEN-LAST:event\_jButton7ActionPerformed

/\*\*

\* @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(Invoice\_Manager.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Invoice\_Manager.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Invoice\_Manager.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Invoice\_Manager.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Invoice\_Manager().setVisible(true);

}

});

}

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

private javax.swing.JCheckBox Dentalcheckbox;

private javax.swing.JCheckBox ExaminationCheckbox;

private javax.swing.JCheckBox HeliofillCheckbox;

private javax.swing.JTextField ID;

private javax.swing.JPanel InvoicePanelColorChange1;

private javax.swing.JPanel InvoicePanelColorChange2;

private javax.swing.JPanel InvoicePanelColorChange3;

private javax.swing.JPanel MainPanelReceipt;

private javax.swing.JLabel NumberCheck;

private javax.swing.JPanel OptionsPanel;

private javax.swing.JCheckBox TartarCheckbox;

private javax.swing.JTextArea area;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private javax.swing.JButton jButton7;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JTabbedPane jTabbedPane1;

public static javax.swing.JTable jTable1;

private javax.swing.JTextField receiptID;

private javax.swing.JTextField receiptadditionalprice;

private javax.swing.JTextField receiptadditionalprocedure;

private javax.swing.JTextField receiptage;

private javax.swing.JTextField receiptlastname;

private javax.swing.JTextField receiptname;

// End of variables declaration//GEN-END:variables

}

***Invoice\_Viewer.java***

/\*

\* 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 csia;

import java.awt.print.PrinterException;

/\*\*

\*

\* @author VivoBook

\*/

public class Invoice\_Viewer extends javax.swing.JFrame {

/\*\*

\* Creates new form Receipt

\*/

public Invoice\_Viewer() {

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() {

jPanel1 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

ReceiptArea = new javax.swing.JTextArea();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

ReceiptArea.setColumns(20);

ReceiptArea.setRows(5);

jScrollPane1.setViewportView(ReceiptArea);

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N

jButton2.setForeground(new java.awt.Color(102, 102, 102));

jButton2.setText("Print");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 617, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 265, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(184, 184, 184))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 332, Short.MAX\_VALUE)

.addGap(17, 17, 17)

.addComponent(jButton2)

.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.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

try{

ReceiptArea.print();

}catch(PrinterException e){

}

}//GEN-LAST:event\_jButton2ActionPerformed

/\*\*

\* @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(Invoice\_Viewer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Invoice\_Viewer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Invoice\_Viewer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Invoice\_Viewer.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 Invoice\_Viewer().setVisible(true);

}

});

}

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

public static javax.swing.JTextArea ReceiptArea;

private javax.swing.JButton jButton2;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

// End of variables declaration//GEN-END:variables

}

***Appointment\_Database.java***

/\*

\* 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 csia;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Properties;

import javax.mail.\*;

import javax.mail.internet.\*;

import java.text.SimpleDateFormat;

import java.util.Date;

import net.proteanit.sql.DbUtils;

import java.util.Locale;

import java.util.Random;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

/\*\*

\*

\* @author VivoBook

\*/

public class Appointment\_Database extends javax.swing.JFrame {

public Connection conn=null;

public ResultSet rs = null;

public PreparedStatement pst=null;

public final void ShowTableData(){

try{

conn = ReusableClasses.dbconnection.connection();

String populatedatabase = "SELECT \* FROM clinic\_database.appointments ORDER BY `Date`, `Time slot` DESC ;";

pst = conn.prepareStatement(populatedatabase);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

}catch(SQLException e){

System.out.println(e);

}

}

public void printtodaysschedule(){

Date date = new Date();

SimpleDateFormat DateFor = new SimpleDateFormat("yyyy-MM-dd");

String stringDate= DateFor.format(date);

try{

String selectquerry ="SELECT \* FROM `clinic\_database`.`appointments` WHERE (`Date`='"+ stringDate + "');";

pst = conn.prepareStatement(selectquerry);

rs = pst.executeQuery();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.print();

ShowTableData();

}catch(Exception e){

}

}

public void printtomorrowsschedule(){

SimpleDateFormat formatfunction = new SimpleDateFormat("yyyy-MM-dd", Locale.getDefault());

String formateddateeee = formatfunction.format(jDateChooser2.getDate());

try{

conn = ReusableClasses.dbconnection.connection();

String selectquerry ="SELECT \* FROM `clinic\_database`.`appointments` WHERE (`Date`='"+ formateddateeee + "');";

pst = conn.prepareStatement(selectquerry);

rs = pst.executeQuery(selectquerry);

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

jTable1.print();

ShowTableData();

}catch(Exception e){

}

}

public void deletepassedappointments(){

Date date = new Date();

SimpleDateFormat DateFor = new SimpleDateFormat("yyyy-MM-dd");

String stringDate= DateFor.format(date);

System.out.println(stringDate);

try{

conn = ReusableClasses.dbconnection.connection();

String selectquerry ="SELECT \* FROM `clinic\_database`.`appointments`;";

pst = conn.prepareStatement(selectquerry);

rs = pst.executeQuery(selectquerry);

while (rs.next()){

String deletepastdatequerry="DELETE FROM clinic\_database.appointments WHERE (`Date`<'"+ stringDate + "');";

pst = conn.prepareStatement(deletepastdatequerry);

pst.executeUpdate();

}

ShowTableData();

}catch(SQLException e){

}

}

void approvedappointment(){

String query = "INSERT INTO `clinic\_database`.`appointments` (`First name`, `Last name`,`Patient ID`, `Doctor`, `Chair`, `Time slot`, `Date`,`ID` ) VALUES (?, ?, ?, ?, ?, ?, ?, ?);" ;

SimpleDateFormat formatfunction = new SimpleDateFormat("yyyy-MM-dd", Locale.getDefault());

String formateddateeee = formatfunction.format(jDateChooser1.getDate());

int i = new Random().nextInt(90000) + 1000;

String str = String.valueOf(i);

try{

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(query);

pst.setString(1, fname.getText());

pst.setString(2, lname.getText());

pst.setString(3, PatientID.getText());

pst.setString(4, doctor.getSelectedItem().toString());

pst.setString(5, chair.getSelectedItem().toString());

pst.setString(6, timeslot.getSelectedItem().toString());

pst.setString(7, formateddateeee);

pst.setString(8, str);

pst.executeUpdate();

}catch(SQLException e){

System.out.println(e);

}

}

public void SendEmail(String to,String sub,String msg){

//Get properties object

String from = "dentalclinicsara@gmail.com";

String password = "sifrazasaru12";

Properties props = new Properties();

props.put("mail.smtp.host", "smtp.gmail.com");

props.put("mail.smtp.socketFactory.port", "465");

props.put("mail.smtp.socketFactory.class",

"javax.net.ssl.SSLSocketFactory");

props.put("mail.smtp.auth", "true");

props.put("mail.smtp.port", "465");

//get Session

Session session = Session.getDefaultInstance(props,

new javax.mail.Authenticator() {

protected PasswordAuthentication getPasswordAuthentication() {

return new PasswordAuthentication(from,password);

}

});

//compose message

try {

MimeMessage message = new MimeMessage(session);

message.addRecipient(Message.RecipientType.TO,new InternetAddress(to));

message.setSubject(sub);

message.setText(msg);

//send message

Transport.send(message);

} catch (MessagingException e) {throw new RuntimeException(e);}

}

/\*\*

\* Creates new form Appointment

\*/

public Appointment\_Database() {

initComponents();

ShowTableData();

deletepassedappointments();

}

/\*\*

\* 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();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton2 = new javax.swing.JButton();

fname = new javax.swing.JTextField();

lname = new javax.swing.JTextField();

doctor = new javax.swing.JComboBox<>();

chair = new javax.swing.JComboBox<>();

timeslot = new javax.swing.JComboBox<>();

jButton3 = new javax.swing.JButton();

PatientID = new javax.swing.JTextField();

jDateChooser1 = new com.toedter.calendar.JDateChooser();

PrintTable = new javax.swing.JButton();

jButton1 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jDateChooser2 = new com.toedter.calendar.JDateChooser();

jButton5 = new javax.swing.JButton();

jButton6 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 202, 212));

jPanel1.setForeground(new java.awt.Color(102, 102, 102));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"First name", "Last name", "Doctor", "Chair", "Date"

}

));

jScrollPane1.setViewportView(jTable1);

jPanel1.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 13, 623, -1));

jButton2.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton2.setForeground(new java.awt.Color(102, 102, 102));

jButton2.setText("Cancel appointment");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jPanel1.add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(781, 251, 203, -1));

jPanel1.add(fname, new org.netbeans.lib.awtextra.AbsoluteConstraints(671, 56, 203, 29));

lname.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

lnameActionPerformed(evt);

}

});

jPanel1.add(lname, new org.netbeans.lib.awtextra.AbsoluteConstraints(900, 56, 203, 29));

doctor.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

doctor.setForeground(new java.awt.Color(102, 102, 102));

doctor.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Dr Sara", "Dr Ema", "Dr Anita" }));

jPanel1.add(doctor, new org.netbeans.lib.awtextra.AbsoluteConstraints(671, 114, 203, 29));

chair.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

chair.setForeground(new java.awt.Color(102, 102, 102));

chair.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Blue Chair", "Green Chair" }));

jPanel1.add(chair, new org.netbeans.lib.awtextra.AbsoluteConstraints(900, 114, 203, 29));

timeslot.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N

timeslot.setForeground(new java.awt.Color(102, 102, 102));

timeslot.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "8:00-9:00", "9:15-10:15", "10:00-11:00", "11:00-12:00", "12:00-13:00", "15:00-16:00" }));

jPanel1.add(timeslot, new org.netbeans.lib.awtextra.AbsoluteConstraints(671, 161, 203, 29));

jButton3.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton3.setForeground(new java.awt.Color(102, 102, 102));

jButton3.setText("Book appointment");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jPanel1.add(jButton3, new org.netbeans.lib.awtextra.AbsoluteConstraints(671, 208, 203, -1));

jPanel1.add(PatientID, new org.netbeans.lib.awtextra.AbsoluteConstraints(900, 14, 203, 29));

jDateChooser1.setDateFormatString("yyyy-MM-dd");

jPanel1.add(jDateChooser1, new org.netbeans.lib.awtextra.AbsoluteConstraints(900, 161, 203, 29));

PrintTable.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

PrintTable.setForeground(new java.awt.Color(102, 102, 102));

PrintTable.setText("Print today's schedule");

PrintTable.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

PrintTableActionPerformed(evt);

}

});

jPanel1.add(PrintTable, new org.netbeans.lib.awtextra.AbsoluteConstraints(900, 209, -1, -1));

jButton1.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton1.setForeground(new java.awt.Color(102, 102, 102));

jButton1.setText("Search by ID");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jPanel1.add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(671, 13, 203, -1));

jButton4.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton4.setForeground(new java.awt.Color(102, 102, 102));

jButton4.setText("Exit");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

jPanel1.add(jButton4, new org.netbeans.lib.awtextra.AbsoluteConstraints(786, 387, 196, -1));

jDateChooser2.setForeground(new java.awt.Color(102, 102, 102));

jDateChooser2.setDateFormatString("yyyy-MM-dd");

jPanel1.add(jDateChooser2, new org.netbeans.lib.awtextra.AbsoluteConstraints(679, 293, 203, 29));

jButton5.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton5.setForeground(new java.awt.Color(102, 102, 102));

jButton5.setText("Print specific schedule");

jButton5.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton5ActionPerformed(evt);

}

});

jPanel1.add(jButton5, new org.netbeans.lib.awtextra.AbsoluteConstraints(900, 293, -1, -1));

jButton6.setFont(new java.awt.Font("Tw Cen MT", 1, 18)); // NOI18N

jButton6.setForeground(new java.awt.Color(102, 102, 102));

jButton6.setText("Send email");

jButton6.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton6ActionPerformed(evt);

}

});

jPanel1.add(jButton6, new org.netbeans.lib.awtextra.AbsoluteConstraints(786, 340, 196, -1));

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void lnameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_lnameActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_lnameActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

String chaircomparison2 = chair.getSelectedItem().toString();

String timeslotcomparison2 = timeslot.getSelectedItem().toString();

String doctortcomparison2 = doctor.getSelectedItem().toString();

SimpleDateFormat dcn = new SimpleDateFormat("yyyy-MM-dd");

String date = dcn.format(jDateChooser1.getDate());

String selectquerry ="SELECT `Date`, `Chair`, `Time slot`,`Doctor` FROM `clinic\_database`.`appointments`;";

try{

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(selectquerry);

Statement stmt = conn.createStatement(ResultSet.TYPE\_SCROLL\_SENSITIVE, ResultSet.CONCUR\_UPDATABLE);

rs = stmt.executeQuery (selectquerry);

if (!rs.next()){

approvedappointment();

}else{

while(rs.next()){

String datecomparison1 = rs.getString("Date");

String chaircomparison1 = rs.getString("Chair");

String timeeslotcomparison1 = rs.getString("Time slot");

String doctorcomparison1= rs.getString("Doctor");

if(datecomparison1.equals(date) && chaircomparison1.equals(chaircomparison2)&& doctorcomparison1.equals(doctortcomparison2)&& timeeslotcomparison1.equals(timeslotcomparison2)){

JOptionPane.showMessageDialog(null, "Appointment is already taken! Please try another one.");

break;

}

if(rs.isAfterLast()){

approvedappointment();

rs.close();

}

}

if(rs.isAfterLast()){

approvedappointment();

rs.close();

}

}

ShowTableData();

}catch(SQLException e){

JOptionPane.showMessageDialog(null, e);

}

}//GEN-LAST:event\_jButton3ActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

try{

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int rownumber = jTable1.getSelectedRow();

String temporaryidentity= model.getValueAt(rownumber, 7).toString();

int finalidentity = Integer.parseInt(temporaryidentity);

String deletequerry="DELETE FROM clinic\_database.appointments WHERE (`ID` = '" + finalidentity +"');" ;

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(deletequerry);

pst.executeUpdate();

ShowTableData();

} catch(NumberFormatException | SQLException e){

JOptionPane.showMessageDialog(null,e);

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void PrintTableActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_PrintTableActionPerformed

printtodaysschedule();

}//GEN-LAST:event\_PrintTableActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

String SearchID = PatientID.getText();

String searchquerry="Select \* FROM `clinic\_database`.`patients` WHERE (`ID` = '" + SearchID +"');" ;

try{

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(searchquerry);

rs = pst.executeQuery(searchquerry);

if(rs.next()){

String name = rs.getString("First Name");

String lastname = rs.getString("Last Name");

fname.setText(name);

lname.setText(lastname);

}

}catch(SQLException e){

System.out.println(e);

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

Dashboard Dash= new Dashboard ();

Dash.setVisible(true);

this.setVisible(false);

this.dispose();

}//GEN-LAST:event\_jButton4ActionPerformed

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton6ActionPerformed

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

String Firsttname = (model.getValueAt(selectedRowIndex, 0).toString());

String Lastname = (model.getValueAt(selectedRowIndex, 1).toString());

String ID = (model.getValueAt(selectedRowIndex, 2).toString());

String Doctor = (model.getValueAt(selectedRowIndex, 3).toString());

String Chair = (model.getValueAt(selectedRowIndex, 4).toString());

String Timeslot = (model.getValueAt(selectedRowIndex, 5).toString());

String Date = (model.getValueAt(selectedRowIndex, 6).toString());

String content = "Dear " + Firsttname+ " " + Lastname+ " \n " +

" Your appointment has been scheduled for the following date: " + Date+ " \n " +

" Doctor: " + Doctor+" \n" +

" Chair: "+ Chair + " \n"+

"Time: " + Timeslot +" ";

String subject = "Appointment with the Dental Clinic Dr Sata";

String populatedatabase = "SELECT `Email` FROM `clinic\_database`.patients WHERE (`ID`='" + ID + "');";

try{

conn = ReusableClasses.dbconnection.connection();

pst = conn.prepareStatement(populatedatabase);

rs = pst.executeQuery(populatedatabase);

if(rs.next()){

String recepientemail = rs.getString("Email");

SendEmail(recepientemail, subject, content);

}

}catch(SQLException e){

System.out.println(e);

}

}//GEN-LAST:event\_jButton6ActionPerformed

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton5ActionPerformed

printtomorrowsschedule();

}//GEN-LAST:event\_jButton5ActionPerformed

/\*\*

\* @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(Appointment\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Appointment\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Appointment\_Database.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Appointment\_Database.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 Appointment\_Database().setVisible(true);

}

});

}

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

private javax.swing.JTextField PatientID;

private javax.swing.JButton PrintTable;

private javax.swing.JComboBox<String> chair;

private javax.swing.JComboBox<String> doctor;

private javax.swing.JTextField fname;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private com.toedter.calendar.JDateChooser jDateChooser1;

private com.toedter.calendar.JDateChooser jDateChooser2;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

private javax.swing.JTextField lname;

private javax.swing.JComboBox<String> timeslot;

// End of variables declaration//GEN-END:variables

}