**Eproject 2ndSems = new Eproject(DISM);**

Project\_Title (){

LMS(LIBRARY MANAGEMENT SYSTEM);

}

Developers[] ={

“Sagar Raisee”}

**LIBRARY**

**MAMAGEMEMT SYSTEM**

2017

Aptech Garden

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**ACKNOWLEDGEMENT**

LIBRARY MANAGEMENT SYSTEM

# Introduction:

Library Management system is designed to maintain the activities going on in a library of Institute or University. The system should be able to maintain all the records like which student issued the book, who was the in charge in library when book was issued, which book was issued etc. The system should be able to maintain all the above records.

# Proposed System:

A Library Management System that could record all the transaction of book that was issued by the students.

**SYSTEM REQUIREMENTS**

**Software Requirements**

Language **:**  Java 1.5 or more

Backend **:** Sql sever

Operating System **:** Windows Xp / Higher

**Hardware Requirements**

Hard disk : 2 GB

SDRAM : 256 MB

Processor : P III / P IV

Processor Speed : 1.0 GHz

Software Entities:

1. Admin
2. Librarian
3. Student

Admin:

UserName : admin

Password : admin

Admin Specifications:

1. Adds Book,Student,librarian.
2. Manages these Entities.
3. Can Edit his/her Profile.
4. Checks the History.

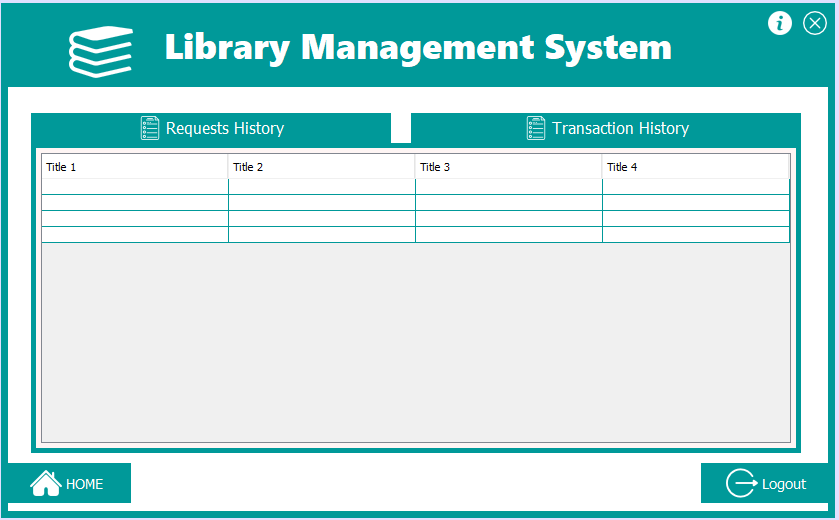
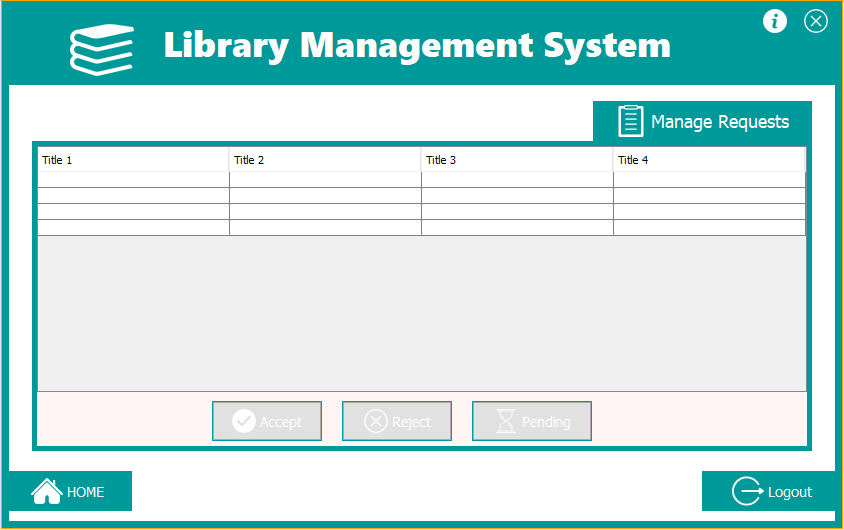
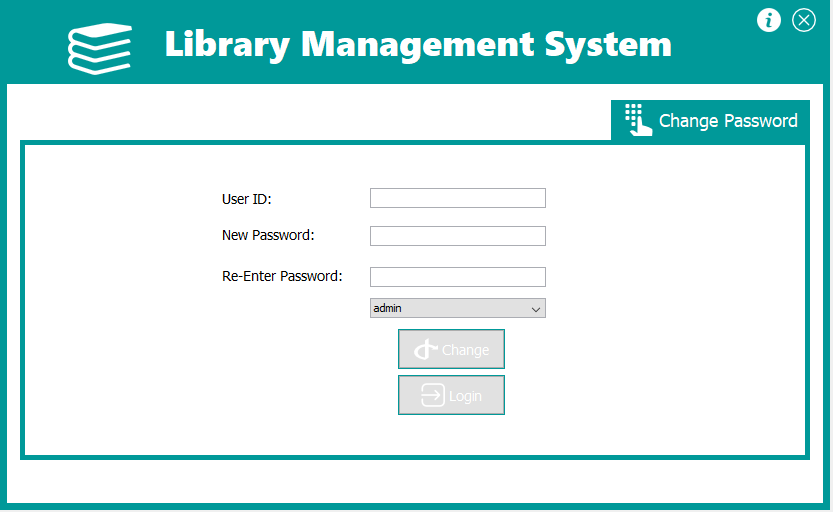
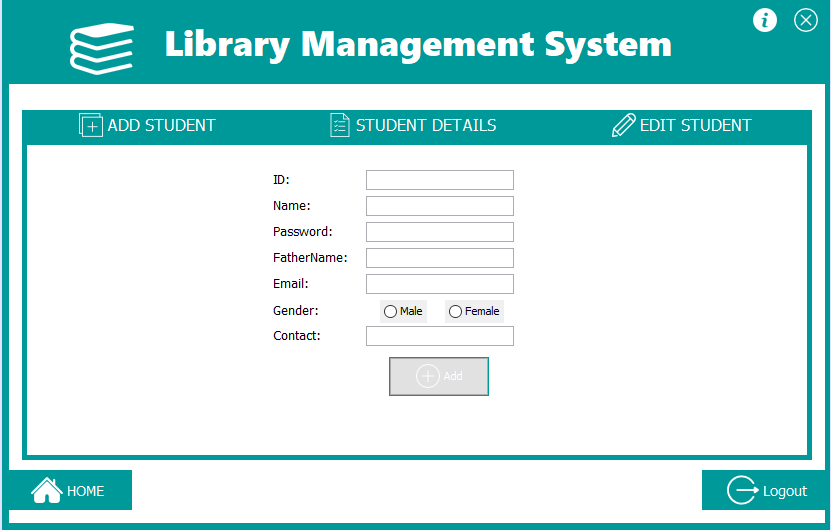
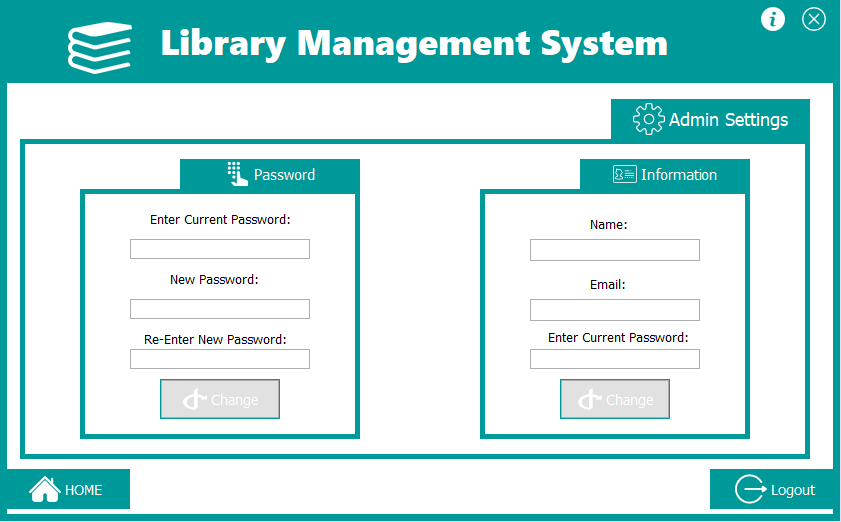
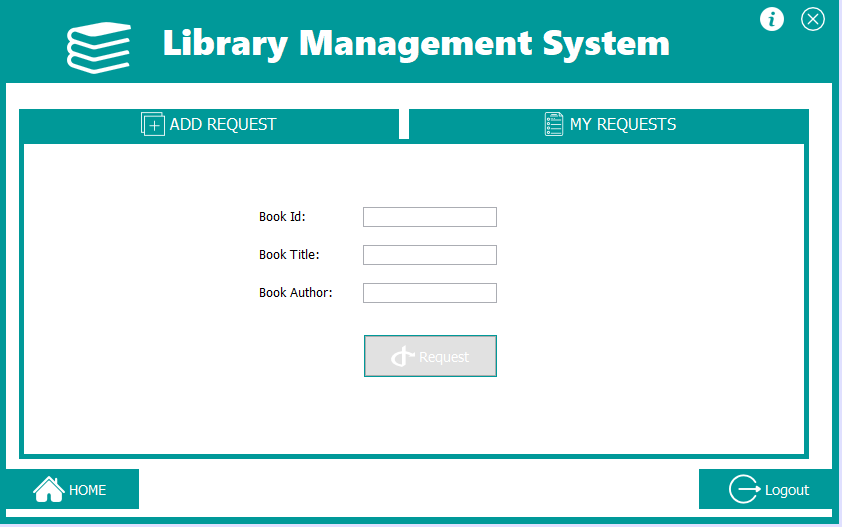
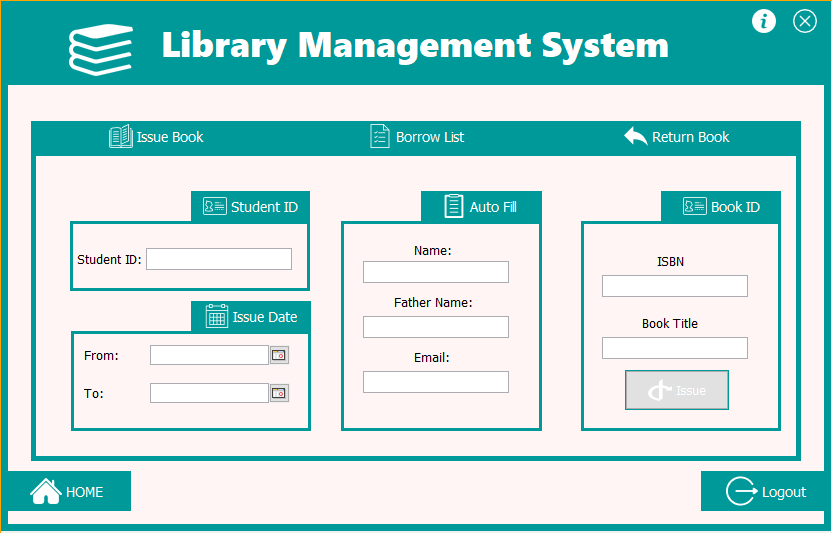
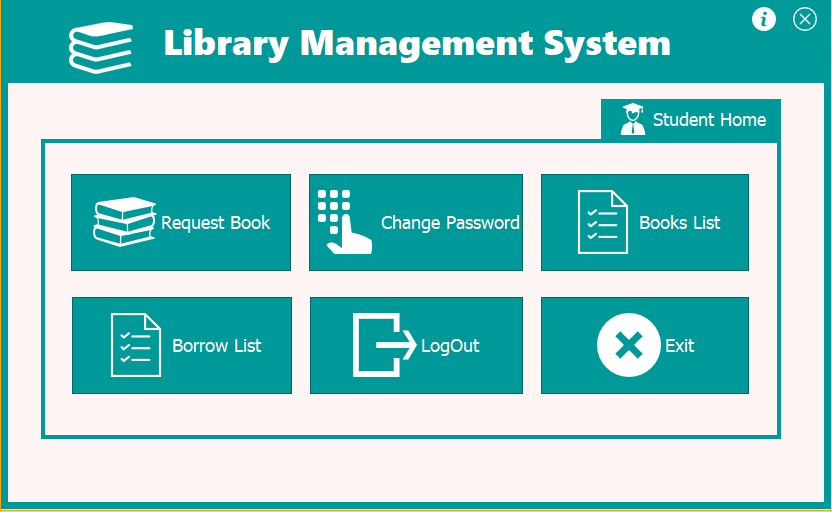
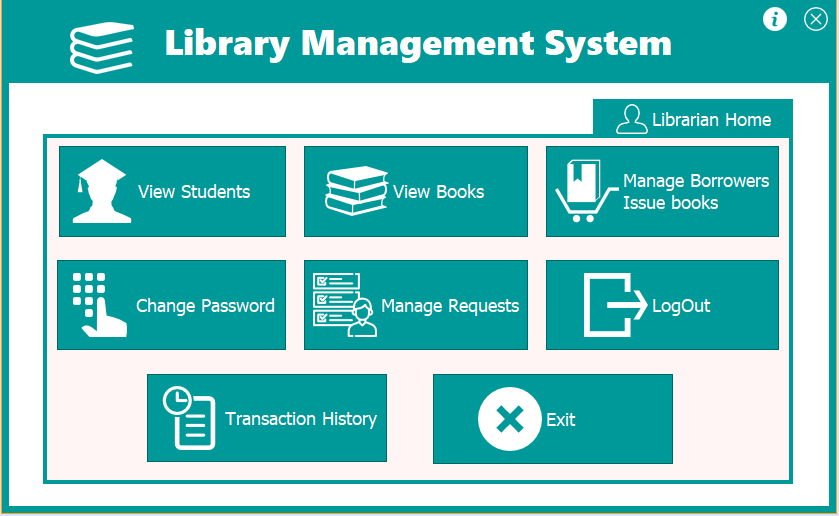
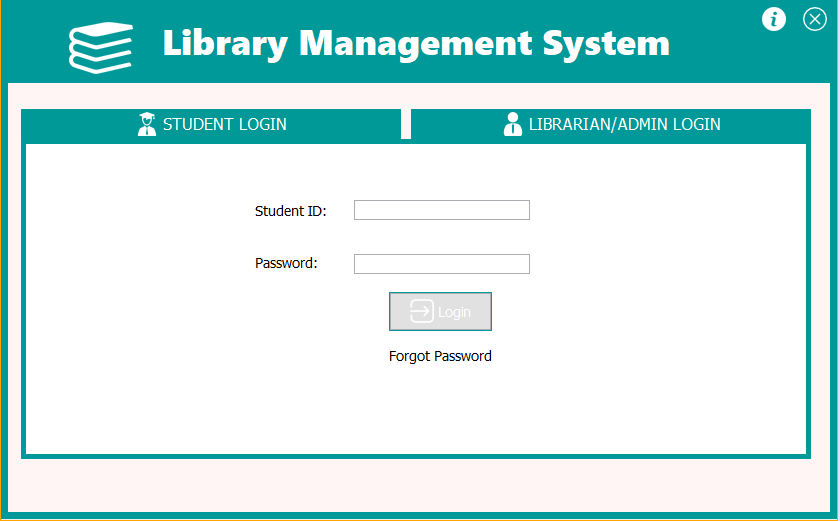
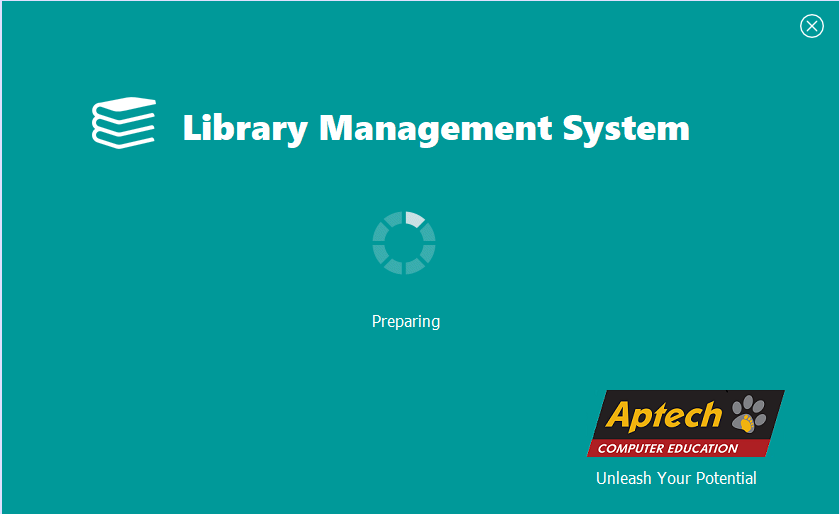
Librarian Specifications:

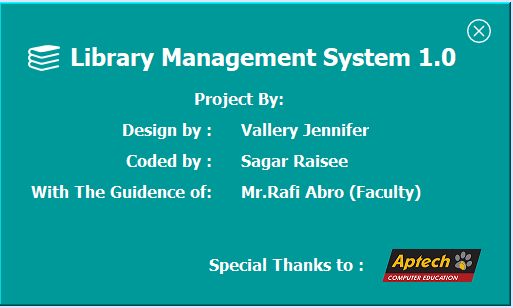
1. Can View Books and Students.
2. Manages Borrowers and Issues Books.
3. Manages Requests.
4. Checks the History.

Student Specifications:

1. Can View Books.
2. Requests Books (3 Active Requests Maximum).
3. If Book is not Available, then he/she Cannot Request.
4. Cannot Request the Same Book in Active list.
5. Checks his/her History.

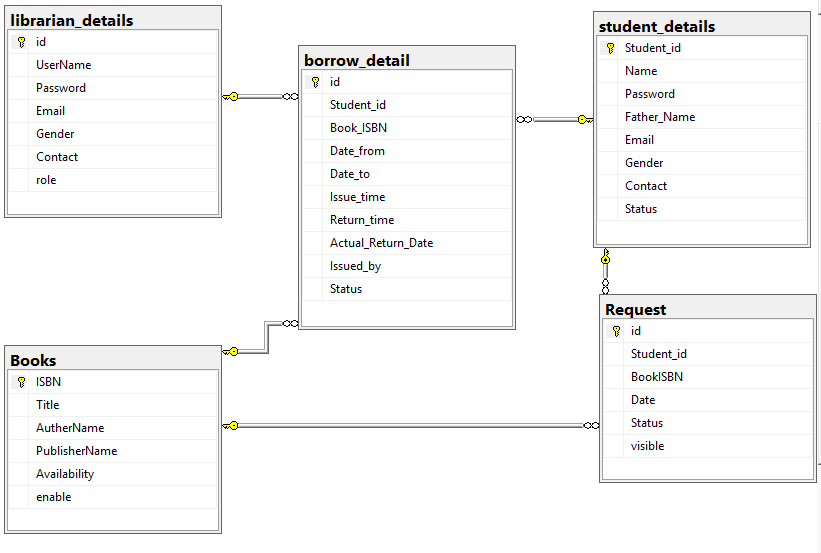
ScreenShots:



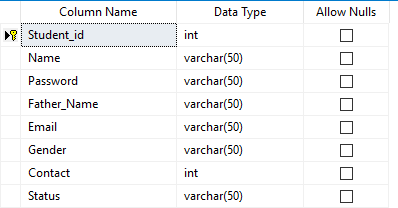


Database

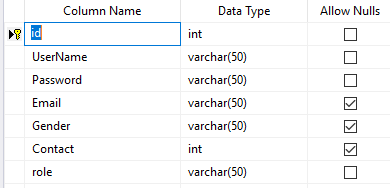
Diagram:



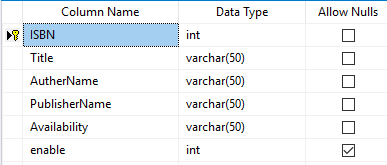
Student\_details Table:



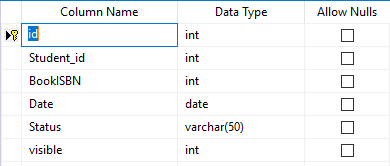
Librarian\_details Table:



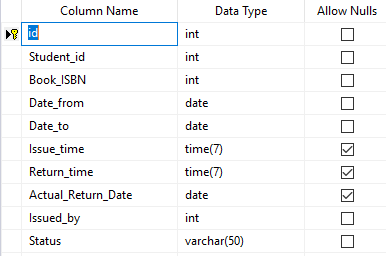
Books Table:



Requests Table:



Borrow\_detail Table:



Source Code

<---------------------------SplashScreen(Start)---------------------------->

/\*

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\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package librarymanagementsystem2;

/\*\*

\*

\* @author Sagar

\*/

public class SplashScreen extends javax.swing.JFrame{

/\*\*

\* Creates new form Login

\*/

public SplashScreen() {

initComponents();

Runnable r = new Runnable(){

@Override

public void run() {

String array[]=new String[101];

for(int i=0;i<25;i++){

array[i]="Preparing.";

}

for(int i=26;i<50;i++){

array[i]="Preparing...";

}

for(int i=51;i<75;i++){

array[i]="Preparing.....";

}

for(int i=76;i<101;i++){

array[i]=" Ready";

}

for(int i=0;i<100;i++){

jLabel6.setText(array[i]);

try {

Thread.sleep(20);

} catch (InterruptedException ex) {

System.out.println(ex);

}

}

new Login().setVisible(true);

close();

}

};

Thread t = new Thread(r);

t.start();

}

public void close(){

this.dispose();

}

/\*\*

\* 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() {

jPanel5 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

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

setUndecorated(true);

jPanel5.setBackground(new java.awt.Color(0, 153, 153));

jPanel5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jPanel5.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(180, 100, -1, -1));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/AptechLogo.png"))); // NOI18N

jPanel5.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(584, 389, -1, -1));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel6.setText("Preparing");

jPanel5.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(370, 310, -1, -1));

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Loader.gif"))); // NOI18N

jPanel5.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(370, 210, -1, -1));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

jLabel7.setText("Unleash Your Potential");

jPanel5.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(594, 467, -1, -1));

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jPanel5.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 90, -1, -1));

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

jPanel5.add(jButton4, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 10, 40, 30));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGap(0, 837, Short.MAX\_VALUE)

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

.addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGap(0, 514, Short.MAX\_VALUE)

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

.addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT\_SIZE, 514, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

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

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

//Exits all The Forms That Are Open When Clicked

System.exit(0);

}//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(SplashScreen.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new SplashScreen().setVisible(true);

}

});

}

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

private javax.swing.JButton jButton4;

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 jPanel5;

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

}

<---------------------------SplashScreen(END)---------------------------->

<-----------------------------Login(START)---------------------------------->

/\*

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\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package librarymanagementsystem2;

import java.awt.Color;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author Sagar

\*/

public class Login extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String user=null;

String role=null;

/\*\*

\* Creates new form Login

\*/

public Login() {

initComponents();

user = lb\_user.getText();

con=dbConnectivity.Connect();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel5.setBackground(new Color(0,153,153,150));

jComboBox1.setBackground(Color.white);

}

/\*\*

\* 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();

jPanel3 = new javax.swing.JPanel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

std\_user = new javax.swing.JTextField();

std\_pass = new javax.swing.JPasswordField();

jButton1 = new javax.swing.JButton();

jLabel9 = new javax.swing.JLabel();

jPanel4 = new javax.swing.JPanel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

lb\_user = new javax.swing.JTextField();

lb\_pass = new javax.swing.JPasswordField();

jButton2 = new javax.swing.JButton();

jLabel13 = new javax.swing.JLabel();

jComboBox1 = new javax.swing.JComboBox<>();

jLabel14 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jButton3 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

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

setUndecorated(true);

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

jPanel1.setBackground(new java.awt.Color(254, 245, 244));

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(java.awt.Color.white);

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel7.setText("Student ID:");

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel8.setText("Password:");

jButton1.setBackground(new java.awt.Color(0, 153, 153));

jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 255, 255));

jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/login (2).png"))); // NOI18N

jButton1.setText("Login");

jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton1ActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel9.setText("Forgot Password");

jLabel9.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel9.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel9MouseClicked(evt);

}

});

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(229, 229, 229)

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

.addComponent(jLabel7)

.addComponent(jLabel8))

.addGap(27, 27, 27)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(std\_user)

.addComponent(std\_pass, javax.swing.GroupLayout.PREFERRED\_SIZE, 176, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(276, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

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

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addGap(314, 314, 314))

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(56, 56, 56)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addGap(34, 34, 34)

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

.addComponent(jLabel8)

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

.addGap(18, 18, 18)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(85, Short.MAX\_VALUE))

);

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jPanel4.setBackground(java.awt.Color.white);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel11.setText("User Name:");

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel12.setText("Password:");

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/login (2).png"))); // NOI18N

jButton2.setText("Login");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel13.setText("Forgot Password");

jLabel13.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel13.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel13MouseClicked(evt);

}

});

jComboBox1.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "admin", "librarian" }));

jComboBox1.setBorder(null);

jComboBox1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel14.setText("Privilige:");

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

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(230, 230, 230)

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

.addComponent(jLabel11)

.addComponent(jLabel12)

.addComponent(jLabel14))

.addGap(27, 27, 27)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jComboBox1, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lb\_user)

.addComponent(lb\_pass, javax.swing.GroupLayout.DEFAULT\_SIZE, 176, Short.MAX\_VALUE)))

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(359, 359, 359)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 119, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(276, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

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

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 111, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(310, 310, 310))

);

jPanel4Layout.setVerticalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(43, 43, 43)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addGap(18, 18, 18)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel12))

.addGap(19, 19, 19)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14))

.addGap(18, 18, 18)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT\_SIZE, 27, Short.MAX\_VALUE)

.addGap(76, 76, 76))

);

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jLabel5.setBackground(new java.awt.Color(0, 153, 153));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/librarian.png"))); // NOI18N

jLabel5.setText("LIBRARIAN/ADMIN LOGIN");

jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setOpaque(true);

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

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

jLabel5MouseClicked(evt);

}

});

jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 110, 400, 30));

jLabel6.setBackground(new java.awt.Color(0, 153, 152));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/student-avatar.png"))); // NOI18N

jLabel6.setText("STUDENT LOGIN");

jLabel6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel6.setOpaque(true);

jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel6MouseClicked(evt);

}

});

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 110, 380, 30));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jButton3.setBackground(new java.awt.Color(0, 153, 153));

jButton3.setForeground(java.awt.Color.white);

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton3.setContentAreaFilled(false);

jButton3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton3ActionPerformed(evt);

}

});

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel2MouseClicked(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(29, 29, 29)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 92, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 836, 520));

pack();

setLocationRelativeTo(null);

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

private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel6MouseClicked

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel5.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel6MouseClicked

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

jPanel4.setVisible (true);

jPanel3.setVisible (false);

jLabel5.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel5MouseClicked

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

// TODO add your handling code here:

try {

String sql="select \* from Student\_Details where Student\_Id="+std\_user.getText()+" and Password='"+std\_pass.getText()+"'";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

String id=std\_user.getText();

String status=rs.getString("Status");

if(status.equals("active")){

role="student";

StudentHome sh=new StudentHome(id,role);

sh.setVisible(true);

this.dispose();

}else{

JOptionPane.showMessageDialog(null,"You are Inactive Please Contact Librarian!");

std\_pass.setText(null);

std\_user.setText(null);

}

}else{

JOptionPane.showMessageDialog(null, "Incorrect id and Password");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(null, "Incorrect id and Password");

}

}//GEN-LAST:event\_jButton1ActionPerformed

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

String role =jComboBox1.getSelectedItem().toString();

try {

String sql="select UserName,Password,Id from librarian\_Details where UserName='"+lb\_user.getText()+"' and Password='"+lb\_pass.getText()+"' and Role='"+role+"'";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

if("admin".equals(role)){

int userid=rs.getInt("Id");

String id=Integer.toString(userid);

MainMenu main=new MainMenu(id,role);

main.setVisible(true);

this.dispose();

}

if(role.equals("librarian")){

int userid=rs.getInt("Id");

String id=Integer.toString(userid);

librarianHome lh=new librarianHome(id,role);

lh.setVisible(true);

this.dispose();

}

}else{

JOptionPane.showMessageDialog(null, "InCorrect UserName and Password");

lb\_user.setText(null);

lb\_pass.setText(null);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(null, "Incorrect UserName and Password");

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jLabel9MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel9MouseClicked

changePassword cp=new changePassword();

cp.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel9MouseClicked

private void jLabel13MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel13MouseClicked

changePassword cp=new changePassword();

cp.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel13MouseClicked

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

System.exit(0);

}//GEN-LAST:event\_jButton3ActionPerformed

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel2MouseClicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel2MouseClicked

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Login().setVisible(true);

}

});

}

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

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JComboBox<String> jComboBox1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPasswordField lb\_pass;

private javax.swing.JTextField lb\_user;

private javax.swing.JPasswordField std\_pass;

private javax.swing.JTextField std\_user;

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

}

<-----------------------------Login(END)---------------------------------->

<-----------------------------Student(Start)---------------------------------->

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

import java.sql.\*;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author Sagar

\*/

public class Student extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String id=null;

String role=null;

/\*\*

\* Creates new form Student

\*/

public Student() {

initComponents();

con=dbConnectivity.Connect();

jPanel4.setVisible(true);

jPanel5.setVisible(false);

jPanel6.setVisible(false);

jLabel9.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}

Student(String id, String role) {

initComponents();

this.id=id;

this.role=role;

con=dbConnectivity.Connect();

if (role.equals("librarian")) {//Sets Priviliges For Librarian

jPanel4.setVisible(false);

jPanel5.setVisible(true);

jPanel6.setVisible(false);

jLabel6.setVisible(false);

jLabel7.setVisible(false);

jLabel5.setVisible(false);

jLabel9.setVisible(true);

jToggleButton1.setVisible(false);

}

else if(role.equals("admin")){//Set Priviliges For Admin

jPanel4.setVisible(true);

jPanel5.setVisible(false);

jPanel6.setVisible(false);

jLabel9.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}

}

Student(String id) {

initComponents();

this.id=id;

con=dbConnectivity.Connect();

jPanel4.setVisible(true);

jPanel5.setVisible(false);

jPanel6.setVisible(false);

jLabel9.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));}

public void empFields(int i){

if(i==1){

std\_id.setText(null);

std\_name.setText(null);

std\_pass.setText(null);

std\_fathername.setText(null);

std\_email.setText(null);

std\_contact.setText(null);

}

if(i==2){

std\_id1.setText(null);

std\_name1.setText(null);

std\_pass1.setText(null);

std\_fathername1.setText(null);

std\_email1.setText(null);

std\_contact1.setText(null);

}

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

buttonGroup1 = new javax.swing.ButtonGroup();

buttonGroup2 = new javax.swing.ButtonGroup();

jPanel1 = new javax.swing.JPanel();

jLabel5 = new javax.swing.JLabel();

jPanel4 = new javax.swing.JPanel();

jLabel23 = new javax.swing.JLabel();

jLabel24 = new javax.swing.JLabel();

jLabel25 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

std\_pass = new javax.swing.JPasswordField();

jLabel26 = new javax.swing.JLabel();

jRadioButton1 = new javax.swing.JRadioButton();

std\_name = new javax.swing.JTextField();

jRadioButton2 = new javax.swing.JRadioButton();

std\_fathername = new javax.swing.JTextField();

jButton4 = new javax.swing.JButton();

std\_email = new javax.swing.JTextField();

jLabel12 = new javax.swing.JLabel();

std\_contact = new javax.swing.JTextField();

std\_id = new javax.swing.JTextField();

jLabel27 = new javax.swing.JLabel();

email\_warn = new javax.swing.JLabel();

jPanel5 = new javax.swing.JPanel();

jToggleButton1 = new javax.swing.JToggleButton();

not = new javax.swing.JLabel();

jLabel38 = new javax.swing.JLabel();

std\_id\_search = new javax.swing.JTextField();

std\_father\_src = new javax.swing.JLabel();

std\_gender\_src = new javax.swing.JLabel();

std\_email\_src = new javax.swing.JLabel();

jLabel17 = new javax.swing.JLabel();

std\_contact\_src = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();

jLabel19 = new javax.swing.JLabel();

jLabel20 = new javax.swing.JLabel();

jLabel21 = new javax.swing.JLabel();

jLabel22 = new javax.swing.JLabel();

std\_id\_src = new javax.swing.JLabel();

std\_name\_src = new javax.swing.JLabel();

jPanel6 = new javax.swing.JPanel();

jRadioButton3 = new javax.swing.JRadioButton();

jLabel28 = new javax.swing.JLabel();

jRadioButton4 = new javax.swing.JRadioButton();

jLabel29 = new javax.swing.JLabel();

jButton5 = new javax.swing.JButton();

jLabel30 = new javax.swing.JLabel();

std\_id1 = new javax.swing.JTextField();

jLabel31 = new javax.swing.JLabel();

std\_name1 = new javax.swing.JTextField();

std\_fathername1 = new javax.swing.JTextField();

jLabel32 = new javax.swing.JLabel();

std\_email1 = new javax.swing.JTextField();

jLabel33 = new javax.swing.JLabel();

std\_contact1 = new javax.swing.JTextField();

jLabel34 = new javax.swing.JLabel();

std\_pass1 = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel35 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel36 = new javax.swing.JLabel();

jButton6 = new javax.swing.JButton();

jLabel9 = new javax.swing.JLabel();

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

setUndecorated(true);

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

jPanel1.setBackground(java.awt.Color.white);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel5.setBackground(new java.awt.Color(0, 153, 153));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/edit.png"))); // NOI18N

jLabel5.setText("EDIT STUDENT");

jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setOpaque(true);

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

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

jLabel5MouseClicked(evt);

}

});

jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(550, 110, 260, 30));

jPanel4.setBackground(java.awt.Color.white);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel23.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel23.setText("FatherName:");

jLabel24.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel24.setText("Email:");

jLabel25.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel25.setText("Gender:");

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel8.setText("Contact:");

jLabel26.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel26.setText("Name:");

buttonGroup1.add(jRadioButton1);

jRadioButton1.setText("Male");

buttonGroup1.add(jRadioButton2);

jRadioButton2.setText("Female");

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(new java.awt.Color(255, 255, 255));

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/plus.png"))); // NOI18N

jButton4.setText("Add");

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel12.setText("ID:");

jLabel27.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel27.setText("Password:");

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

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(246, 246, 246)

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

.addGroup(jPanel4Layout.createSequentialGroup()

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

.addComponent(jLabel12)

.addComponent(jLabel26)

.addComponent(jLabel27))

.addGap(33, 33, 33))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

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

.addComponent(jLabel24)

.addComponent(jLabel23)

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 60, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)))

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(14, 14, 14)

.addComponent(jRadioButton1)

.addGap(18, 18, 18)

.addComponent(jRadioButton2))

.addComponent(std\_contact, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_email, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_pass, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_id, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_name, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_fathername, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(52, 52, 52)

.addComponent(email\_warn, javax.swing.GroupLayout.PREFERRED\_SIZE, 112, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(362, 362, 362)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(129, 129, 129))

);

jPanel4Layout.setVerticalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(25, 25, 25)

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

.addComponent(email\_warn, javax.swing.GroupLayout.PREFERRED\_SIZE, 20, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel4Layout.createSequentialGroup()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel12))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel26))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel27))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel23))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel24))

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

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

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 20, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jRadioButton2)

.addComponent(jRadioButton1))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel8))))

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(59, Short.MAX\_VALUE))

);

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jPanel5.setBackground(java.awt.Color.white);

jPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jToggleButton1.setBackground(new java.awt.Color(0, 153, 153));

jToggleButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jToggleButton1.setForeground(new java.awt.Color(255, 255, 255));

jToggleButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jToggleButton1.setText("INACTIVE");

jToggleButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jToggleButton1.addActionListener(new java.awt.event.ActionListener() {

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

jToggleButton1ActionPerformed(evt);

}

});

not.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

not.setForeground(new java.awt.Color(255, 51, 51));

not.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel38.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel38.setText("Student ID:");

std\_id\_search.addKeyListener(new java.awt.event.KeyAdapter() {

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

std\_id\_searchKeyReleased(evt);

}

});

std\_father\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_father\_src.setText(" ");

std\_gender\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_gender\_src.setText(" ");

std\_email\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_email\_src.setText(" ");

jLabel17.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel17.setText("Student ID :");

std\_contact\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_contact\_src.setText(" ");

jLabel18.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel18.setText("Student Name :");

jLabel19.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel19.setText("Student FatherName :");

jLabel20.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel20.setText("Student Gender :");

jLabel21.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel21.setText("Student Email :");

jLabel22.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel22.setText("Student Contact :");

std\_id\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_id\_src.setText(" ");

std\_name\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_name\_src.setText(" ");

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(216, Short.MAX\_VALUE)

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

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

.addComponent(jLabel38)

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

.addComponent(std\_id\_search, javax.swing.GroupLayout.PREFERRED\_SIZE, 169, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(16, 16, 16))

.addGroup(jPanel5Layout.createSequentialGroup()

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

.addComponent(jLabel17)

.addComponent(jLabel18)

.addComponent(jLabel19)

.addComponent(jLabel20)

.addComponent(jLabel21)

.addComponent(jLabel22))

.addGap(24, 24, 24)

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

.addComponent(std\_contact\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(std\_email\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(std\_gender\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(std\_father\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(std\_name\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(std\_id\_src, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(253, 253, 253))

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(289, 289, 289)

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

.addComponent(not, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jToggleButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel5Layout.setVerticalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED\_SIZE, 26, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_id\_search, javax.swing.GroupLayout.PREFERRED\_SIZE, 26, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(37, 37, 37)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel17)

.addComponent(std\_id\_src))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel18)

.addComponent(std\_name\_src))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel19)

.addComponent(std\_father\_src))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel20)

.addComponent(std\_gender\_src))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel21)

.addComponent(std\_email\_src))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel22)

.addComponent(std\_contact\_src))

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

.addComponent(jToggleButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(not, javax.swing.GroupLayout.PREFERRED\_SIZE, 21, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(32, Short.MAX\_VALUE))

);

jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jPanel6.setBackground(java.awt.Color.white);

jPanel6.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

buttonGroup2.add(jRadioButton3);

jRadioButton3.setText("Male");

jLabel28.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel28.setText("FatherName:");

buttonGroup2.add(jRadioButton4);

jRadioButton4.setText("Female");

jLabel29.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel29.setText("Email:");

jButton5.setBackground(new java.awt.Color(0, 153, 153));

jButton5.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jButton5.setForeground(new java.awt.Color(255, 255, 255));

jButton5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/update.png"))); // NOI18N

jButton5.setText("Update Student");

jButton5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jButton5.addActionListener(new java.awt.event.ActionListener() {

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

jButton5ActionPerformed(evt);

}

});

jLabel30.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel30.setText("ID:");

std\_id1.addKeyListener(new java.awt.event.KeyAdapter() {

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

std\_id1KeyReleased(evt);

}

});

jLabel31.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel31.setText("Name:");

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel32.setText("Gender:");

jLabel33.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel33.setText("Contact:");

jLabel34.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel34.setText("Password:");

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

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(332, 332, 332)

.addComponent(jButton5))

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(227, 227, 227)

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel33)

.addGap(57, 57, 57)

.addComponent(std\_contact1, javax.swing.GroupLayout.PREFERRED\_SIZE, 149, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel32)

.addGap(69, 69, 69)

.addComponent(jRadioButton3)

.addGap(18, 18, 18)

.addComponent(jRadioButton4))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel29)

.addGap(69, 69, 69)

.addComponent(std\_email1, javax.swing.GroupLayout.PREFERRED\_SIZE, 149, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel28)

.addGap(30, 30, 30)

.addComponent(std\_fathername1, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel30)

.addGap(87, 87, 87)

.addComponent(std\_id1, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

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

.addComponent(jLabel31)

.addComponent(jLabel34))

.addGap(44, 44, 44)

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

.addComponent(std\_pass1, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_name1, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

);

jPanel6Layout.setVerticalGroup(

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

.addGroup(jPanel6Layout.createSequentialGroup()

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(24, 24, 24)

.addComponent(std\_id1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGap(23, 23, 23)

.addComponent(jLabel30, javax.swing.GroupLayout.PREFERRED\_SIZE, 21, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(6, 6, 6)

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

.addComponent(std\_name1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel31, javax.swing.GroupLayout.PREFERRED\_SIZE, 21, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(7, 7, 7)

.addComponent(jLabel34, javax.swing.GroupLayout.PREFERRED\_SIZE, 22, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

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

.addComponent(std\_pass1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

.addComponent(std\_fathername1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel28))

.addGap(9, 9, 9)

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

.addComponent(jLabel29)

.addComponent(std\_email1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(8, 8, 8)

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel33)

.addGap(11, 11, 11))

.addGroup(jPanel6Layout.createSequentialGroup()

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

.addComponent(jRadioButton3)

.addComponent(jRadioButton4)

.addComponent(jLabel32))

.addGap(7, 7, 7)

.addComponent(std\_contact1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel1.add(jPanel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/add.png"))); // NOI18N

jLabel6.setText("ADD STUDENT");

jLabel6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel6.setOpaque(true);

jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel6MouseClicked(evt);

}

});

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 110, 250, 30));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list.png"))); // NOI18N

jLabel7.setText("STUDENT DETAILS");

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setOpaque(true);

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel7MouseClicked(evt);

}

});

jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 110, 260, 30));

jLabel35.setBackground(new java.awt.Color(0, 153, 153));

jLabel35.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel35.setForeground(new java.awt.Color(255, 255, 255));

jLabel35.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel35.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/home (2).png"))); // NOI18N

jLabel35.setText("HOME");

jLabel35.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel35.setOpaque(true);

jLabel35.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel35MouseClicked(evt);

}

});

jPanel1.add(jLabel35, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 470, 130, 40));

jLabel11.setBackground(new java.awt.Color(0, 153, 153));

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel11.setForeground(new java.awt.Color(255, 255, 255));

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel11.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout (1).png"))); // NOI18N

jLabel11.setText("Logout");

jLabel11.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel11.setOpaque(true);

jLabel11.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel11MouseClicked(evt);

}

});

jPanel1.add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(700, 470, 130, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel36.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel36.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel36.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel36MouseClicked(evt);

}

});

jButton6.setBackground(new java.awt.Color(0, 153, 153));

jButton6.setForeground(java.awt.Color.white);

jButton6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton6.setContentAreaFilled(false);

jButton6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jButton6.addActionListener(new java.awt.event.ActionListener() {

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

jButton6ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(30, 30, 30)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 81, Short.MAX\_VALUE)

.addComponent(jLabel36)

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

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel36, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

jLabel9.setBackground(new java.awt.Color(0, 153, 153));

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel9.setForeground(new java.awt.Color(255, 255, 255));

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list.png"))); // NOI18N

jLabel9.setText("STUDENT DETAILS");

jLabel9.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel9.setOpaque(true);

jPanel1.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 110, 790, 30));

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 830, 530));

pack();

setLocationRelativeTo(null);

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

private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel6MouseClicked

jPanel4.setVisible(true);

jPanel5.setVisible(false);

jPanel6.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel6MouseClicked

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel7MouseClicked

jPanel5.setVisible(true);

jPanel4.setVisible(false);

jPanel6.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel7MouseClicked

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

jPanel6.setVisible(true);

jPanel5.setVisible(false);

jPanel4.setVisible(false);

jLabel5.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel6.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel5MouseClicked

private void jToggleButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jToggleButton1ActionPerformed

if(jToggleButton1.isSelected()){

try {

String sql="update Student\_Details set Status='inactive' where Student\_Id="+std\_id\_search.getText()+"";

pst=con.prepareStatement(sql);

pst.execute();

} catch (Exception e) {

}

jToggleButton1.setText("ACTIVE");

not.setText("This Student is Inactive");

}else if(!jToggleButton1.isSelected()){

try {

String sql1="update Student\_Details set Status='active' where Student\_Id="+std\_id\_search.getText()+"";

pst=con.prepareStatement(sql1);

pst.execute();

} catch (Exception e) {

}

jToggleButton1.setText("INACTIVE");

not.setText("");

}

}//GEN-LAST:event\_jToggleButton1ActionPerformed

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

String gender=null;

if(jRadioButton1.isSelected()){

gender="male";

}else if(jRadioButton2.isSelected()){

gender="female";

}

try {

String sql="insert into Student\_Details(Student\_Id,Name,Password,Father\_Name,Email,Gender,Contact,Status) values("+std\_id.getText()+",'"+std\_name.getText()+"','"+std\_pass.getText()+"','"+std\_fathername.getText()+"','"+std\_email.getText()+"','"+gender+"',"+std\_contact.getText()+",'active')";

if(gender == null){

JOptionPane.showMessageDialog(null, "Please Fillout All Fields!");

}else{

pst=con.prepareStatement(sql);

pst.execute();

JOptionPane.showMessageDialog(null,"Student Succcessfully Added!");

}

empFields(1);

buttonGroup1.clearSelection();

} catch (Exception e) {

JOptionPane.showMessageDialog(null, "Please Fillout All Fields!");

}

}//GEN-LAST:event\_jButton4ActionPerformed

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton5ActionPerformed

String gender=null;

if(jRadioButton3.isSelected()){

gender="male";

}else if(jRadioButton4.isSelected()){

gender="female";

}

try {

String sql="update Student\_Details set Name='"+std\_name1.getText()+"',Password='"+std\_pass1.getText()+"',Father\_Name='"+std\_fathername1.getText()+"',Email='"+std\_email1.getText()+"',Gender='"+gender+"' ,Contact="+std\_contact1.getText()+" where Student\_id="+std\_id1.getText()+"";

pst=con.prepareStatement(sql);

pst.execute();

empFields(2);

buttonGroup2.clearSelection();

JOptionPane.showMessageDialog(null,"Student Successfully Updated!");

} catch (Exception e) {

}

}//GEN-LAST:event\_jButton5ActionPerformed

private void jLabel35MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel35MouseClicked

if(role.equals("librarian")){

librarianHome lh=new librarianHome(id, role);

lh.setVisible(true);

this.dispose();

}else if(role.equals("admin")){

MainMenu main=new MainMenu(id,role);

main.setVisible(true);

this.dispose();

}

}//GEN-LAST:event\_jLabel35MouseClicked

private void jLabel11MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel11MouseClicked

// TODO add your handling code here:

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel11MouseClicked

private void std\_id\_searchKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_std\_id\_searchKeyReleased

try {

String sql="select \* from Student\_Details where Student\_Id="+std\_id\_search.getText()+"";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

std\_id\_src.setText(rs.getInt("Student\_id")+"");

std\_name\_src.setText(rs.getString("Name"));

std\_father\_src.setText(rs.getString("Father\_Name"));

std\_email\_src.setText(rs.getString("Email"));

std\_gender\_src.setText(rs.getString("Gender"));

std\_contact\_src.setText(rs.getString("Contact"));

String status=rs.getString("Status");

if(status.equals("inactive")){

jToggleButton1.setSelected(true);

not.setText("This Student is Inactive");

}else{

jToggleButton1.setSelected(false);

not.setText("");

}

}else{

std\_name\_src.setText(null);

std\_id\_src.setText(null);

std\_contact\_src.setText(null);

std\_father\_src.setText(null);

std\_email\_src.setText(null);

std\_gender\_src.setText(null);

jToggleButton1.setSelected(false);

not.setText(null);

}

} catch (Exception e) {

}

}//GEN-LAST:event\_std\_id\_searchKeyReleased

private void std\_id1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_std\_id1KeyReleased

try {

String sql="select \* from Student\_details where Student\_Id="+std\_id1.getText()+"";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

std\_name1.setText(rs.getString("Name"));

std\_email1.setText(rs.getString("Email"));

std\_contact1.setText(rs.getInt("Contact")+"");

std\_fathername1.setText(rs.getString("Father\_Name"));

String gender=rs.getString("Gender");

std\_pass1.setText(rs.getString("Password"));

System.out.println(gender);

if(gender.equalsIgnoreCase("male")){

jRadioButton3.setSelected(true);

}else if(gender.equalsIgnoreCase("female")){

jRadioButton4.setSelected(true);

}

}else{

std\_name1.setText(null);

std\_email1.setText(null);

std\_contact1.setText(null);

std\_fathername1.setText(null);

std\_pass1.setText(null);

buttonGroup2.clearSelection();

}

} catch (Exception e) {

}

}//GEN-LAST:event\_std\_id1KeyReleased

private void jLabel36MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel36MouseClicked

//Opens AboutUs Form When Clicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel36MouseClicked

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton6ActionPerformed

//Exits all The Forms That Are Open When Clicked

System.exit(0);

}//GEN-LAST:event\_jButton6ActionPerformed

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Student().setVisible(true);

}

});

}

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

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.ButtonGroup buttonGroup2;

private javax.swing.JLabel email\_warn;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel20;

private javax.swing.JLabel jLabel21;

private javax.swing.JLabel jLabel22;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel25;

private javax.swing.JLabel jLabel26;

private javax.swing.JLabel jLabel27;

private javax.swing.JLabel jLabel28;

private javax.swing.JLabel jLabel29;

private javax.swing.JLabel jLabel30;

private javax.swing.JLabel jLabel31;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel33;

private javax.swing.JLabel jLabel34;

private javax.swing.JLabel jLabel35;

private javax.swing.JLabel jLabel36;

private javax.swing.JLabel jLabel38;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JPanel jPanel6;

private javax.swing.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JRadioButton jRadioButton3;

private javax.swing.JRadioButton jRadioButton4;

private javax.swing.JToggleButton jToggleButton1;

private javax.swing.JLabel not;

private javax.swing.JTextField std\_contact;

private javax.swing.JTextField std\_contact1;

private javax.swing.JLabel std\_contact\_src;

private javax.swing.JTextField std\_email;

private javax.swing.JTextField std\_email1;

private javax.swing.JLabel std\_email\_src;

private javax.swing.JLabel std\_father\_src;

private javax.swing.JTextField std\_fathername;

private javax.swing.JTextField std\_fathername1;

private javax.swing.JLabel std\_gender\_src;

private javax.swing.JTextField std\_id;

private javax.swing.JTextField std\_id1;

private javax.swing.JTextField std\_id\_search;

private javax.swing.JLabel std\_id\_src;

private javax.swing.JTextField std\_name;

private javax.swing.JTextField std\_name1;

private javax.swing.JLabel std\_name\_src;

private javax.swing.JPasswordField std\_pass;

private javax.swing.JTextField std\_pass1;

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

}

<-----------------------------Student(END)---------------------------------->

<-----------------------------Books(START)---------------------------------->

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author Sagar

\*/

public class Books extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;//Connection type variable Used For Database Connection

PreparedStatement pst=null; //PreparedStatement Type Variable Used For Querying From Database

ResultSet rs=null;//ResultSet Type Variable Used For Querying From Database

String id=null;//For Storing The Id of The User that is Logged in

String role=null;//For Storing The Id of The User that is Logged in

/\*\*

\* Creates new form Books

\*/

public Books() {//Default Constructor

initComponents();

con=dbConnectivity.Connect();//Calls Method Connect() That Create database Connection From dbConnectivity Class

initPanNlbl();

booksList();

}

Books(String id) {// Constructor That passes parameter id

initComponents();

this.id=id;

con=dbConnectivity.Connect();

initPanNlbl();

booksList();

}

Books(String id, String role) {//Constructor That passes parameter id and role

initComponents();

this.id=id;

this.role=role;

System.out.println(this.role);

con=dbConnectivity.Connect();

booksList();

if(role.equals("librarian")){

Accessbility();

}else if(role.equals("student")){

Accessbility();

}else if(role.equals("admin")){

initPanNlbl();

}

}

public void Accessbility(){

jLabel18.setVisible(true);

jPanel3.setVisible(false);

jPanel4.setVisible(true);

jPanel5.setVisible(false);

jLabel7.setVisible(false);

jLabel9.setVisible(false);

}

public void booksList(){

try {//Retrieves Specified Records From Books Table From database

String sql="select ISBN,Title,AutherName,PublisherName,Availability from Books where enable=1";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

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

} catch (Exception e) {

System.out.println(e);

}

}

public void initPanNlbl(){

jPanel3.setVisible(true);//Insert book Panel

jPanel4.setVisible(false);//Books List Panel

jPanel5.setVisible(false);//Update And delete Book Panel

jLabel18.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel8.setBackground(new Color(0,153,153,150));

jLabel9.setBackground(new Color(0,153,153,150));

}

public void empFields(){//Sets TextFields Null When This Method Is Called

bk\_id.setText(null);

bk\_auth.setText(null);

bk\_pub.setText(null);

bk\_tl.setText(null);

bk\_id1.setText(null);

bk\_auth1.setText(null);

bk\_pub1.setText(null);

bk\_tl1.setText(null);

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

buttonGroup1 = new javax.swing.ButtonGroup();

jPanel1 = new javax.swing.JPanel();

jPanel3 = new javax.swing.JPanel();

jLabel5 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

bk\_pub = new javax.swing.JTextField();

bk\_auth = new javax.swing.JTextField();

bk\_tl = new javax.swing.JTextField();

bk\_id = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jPanel5 = new javax.swing.JPanel();

jLabel13 = new javax.swing.JLabel();

bk\_id1 = new javax.swing.JTextField();

jLabel14 = new javax.swing.JLabel();

bk\_tl1 = new javax.swing.JTextField();

jLabel15 = new javax.swing.JLabel();

bk\_auth1 = new javax.swing.JTextField();

jLabel16 = new javax.swing.JLabel();

bk\_pub1 = new javax.swing.JTextField();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jLabel17 = new javax.swing.JLabel();

jRadioButton1 = new javax.swing.JRadioButton();

jRadioButton2 = new javax.swing.JRadioButton();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jLabel19 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

jLabel18 = new javax.swing.JLabel();

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

setUndecorated(true);

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

jPanel1.setBackground(new java.awt.Color(254, 245, 244));

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(new java.awt.Color(254, 245, 244));

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel5.setText("ISBN:");

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel10.setText("Title:");

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel11.setText("AuthorName:");

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel12.setText("PublisherName:");

jButton1.setBackground(new java.awt.Color(0, 153, 153));

jButton1.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 255, 255));

jButton1.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\plus.png")); // NOI18N

jButton1.setText("Add Book");

jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton1ActionPerformed(evt);

}

});

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap(217, Short.MAX\_VALUE)

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

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

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel10)

.addComponent(jLabel5))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(2, 2, 2)

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

.addComponent(jLabel12)

.addComponent(jLabel11))))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(17, 17, 17)

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

.addComponent(bk\_auth, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(bk\_id, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(bk\_tl, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(bk\_pub, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(282, 282, 282))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addComponent(jButton1)

.addGap(301, 301, 301))))

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(40, 40, 40)

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

.addComponent(jLabel5)

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

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

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

.addComponent(jLabel10)

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

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

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

.addComponent(jLabel11)

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

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

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

.addComponent(jLabel12)

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

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

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(110, Short.MAX\_VALUE))

);

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 140, 770, 310));

jPanel4.setBackground(new java.awt.Color(254, 245, 244));

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jTable1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153)));

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

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable1.setOpaque(false);

jScrollPane1.setViewportView(jTable1);

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

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 760, Short.MAX\_VALUE)

);

jPanel4Layout.setVerticalGroup(

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 300, Short.MAX\_VALUE)

);

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 140, 770, 310));

jPanel5.setBackground(new java.awt.Color(254, 245, 244));

jPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel13.setText("ISBN:");

bk\_id1.addKeyListener(new java.awt.event.KeyAdapter() {

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

bk\_id1KeyReleased(evt);

}

});

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel14.setText("BookTitle:");

jLabel15.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel15.setText("AuthorName:");

jLabel16.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel16.setText("PublisherName:");

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/update.png"))); // NOI18N

jButton2.setText("Update Book");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

jButton3.setBackground(new java.awt.Color(0, 153, 153));

jButton3.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jButton3.setForeground(new java.awt.Color(255, 255, 255));

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/delete.png"))); // NOI18N

jButton3.setText("Delete Book");

jButton3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton3ActionPerformed(evt);

}

});

jLabel17.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel17.setText("Availability:");

buttonGroup1.add(jRadioButton1);

jRadioButton1.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jRadioButton1.setText("Yes");

buttonGroup1.add(jRadioButton2);

jRadioButton2.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jRadioButton2.setText("No");

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

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(218, 218, 218)

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addComponent(jLabel13)

.addGap(83, 83, 83)

.addComponent(bk\_id1, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel5Layout.createSequentialGroup()

.addComponent(jLabel14)

.addGap(58, 58, 58)

.addComponent(bk\_tl1))

.addGroup(jPanel5Layout.createSequentialGroup()

.addComponent(jLabel15)

.addGap(39, 39, 39)

.addComponent(bk\_auth1))

.addGroup(jPanel5Layout.createSequentialGroup()

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

.addComponent(jLabel16)

.addComponent(jLabel17))

.addGap(25, 25, 25)

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

.addComponent(bk\_pub1, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(10, 10, 10)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 141, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 141, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(23, 23, 23)

.addComponent(jRadioButton1)

.addGap(18, 18, 18)

.addComponent(jRadioButton2)))))

.addContainerGap(264, Short.MAX\_VALUE))

);

jPanel5Layout.setVerticalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(30, 30, 30)

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(1, 1, 1)

.addComponent(jLabel13))

.addComponent(bk\_id1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(6, 6, 6)

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(1, 1, 1)

.addComponent(jLabel14))

.addComponent(bk\_tl1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(6, 6, 6)

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(1, 1, 1)

.addComponent(jLabel15))

.addComponent(bk\_auth1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(6, 6, 6)

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(1, 1, 1)

.addComponent(jLabel16))

.addComponent(bk\_pub1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel17)

.addComponent(jRadioButton1)

.addComponent(jRadioButton2))

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(51, Short.MAX\_VALUE))

);

jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 140, 770, 310));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\add.png")); // NOI18N

jLabel7.setText("ADD BOOK");

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setOpaque(true);

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel7MouseClicked(evt);

}

});

jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 110, 240, 30));

jLabel8.setBackground(new java.awt.Color(0, 153, 153));

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel8.setForeground(new java.awt.Color(255, 255, 255));

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\list.png")); // NOI18N

jLabel8.setText("BOOKS LIST");

jLabel8.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel8.setOpaque(true);

jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel8MouseClicked(evt);

}

});

jPanel1.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 110, 250, 30));

jLabel9.setBackground(new java.awt.Color(0, 153, 153));

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel9.setForeground(new java.awt.Color(255, 255, 255));

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel9.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\edit.png")); // NOI18N

jLabel9.setText("EDIT BOOK INFO");

jLabel9.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel9.setOpaque(true);

jLabel9.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel9MouseClicked(evt);

}

});

jPanel1.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(540, 110, 260, 30));

jLabel32.setBackground(new java.awt.Color(0, 153, 153));

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel32.setForeground(new java.awt.Color(255, 255, 255));

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel32.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\home (2).png")); // NOI18N

jLabel32.setText("HOME");

jLabel32.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel32.setOpaque(true);

jLabel32.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel32MouseClicked(evt);

}

});

jPanel1.add(jLabel32, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 460, 130, 40));

jLabel19.setBackground(new java.awt.Color(0, 153, 153));

jLabel19.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel19.setForeground(new java.awt.Color(255, 255, 255));

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel19.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\logout (1).png")); // NOI18N

jLabel19.setText("Logout");

jLabel19.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel19.setOpaque(true);

jLabel19.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel19MouseClicked(evt);

}

});

jPanel1.add(jLabel19, new org.netbeans.lib.awtextra.AbsoluteConstraints(700, 460, 130, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel2MouseClicked(evt);

}

});

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(29, 29, 29)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 92, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

jLabel18.setBackground(new java.awt.Color(0, 153, 153));

jLabel18.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel18.setForeground(new java.awt.Color(255, 255, 255));

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel18.setIcon(new javax.swing.ImageIcon("C:\\Users\\Sagar\\Downloads\\list.png")); // NOI18N

jLabel18.setText("BOOKS LIST");

jLabel18.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jLabel18.setOpaque(true);

jPanel1.add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 110, 770, 30));

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 836, 514));

pack();

setLocationRelativeTo(null);

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

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel7MouseClicked

//If Label is Clicked

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jPanel5.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel8.setBackground(new Color(0,153,153,150));

jLabel9.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel7MouseClicked

private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel8MouseClicked

//If Label is Clicked

jPanel4.setVisible(true);

jPanel3.setVisible(false);

jPanel5.setVisible(false);

jLabel8.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel9.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel8MouseClicked

private void jLabel9MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel9MouseClicked

//If Label is Clicked

jPanel5.setVisible(true);

jPanel4.setVisible(false);

jPanel3.setVisible(false);

jLabel9.setBackground(new Color(0,153,153));

jLabel8.setBackground(new Color(0,153,153,150));

jLabel7.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel9MouseClicked

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

//Insert Data To The Books Table In the Database

try {

String sql="insert into Books(ISBN,Title,AutherName,PublisherName,Availability,enable) values ("+bk\_id.getText()+",'"+bk\_tl.getText()+"','"+bk\_auth.getText()+"','"+bk\_pub.getText()+"','yes',1)";

pst=con.prepareStatement(sql);

pst.execute();

empFields();//Method That Sets Text Null on all The TextFields

booksList();//Updates The books List Table

JOptionPane.showMessageDialog(this,"Book Added");

} catch (Exception e) {

//If User Inputs Any Wrong data Simply Show This Message Dialog

JOptionPane.showMessageDialog(null, "invalid Fields Input!");

}

}//GEN-LAST:event\_jButton1ActionPerformed

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

String availability=null;//variable That Stores yes or no for Book Availability

if(jRadioButton1.isSelected()){

availability="yes";

}else if(jRadioButton2.isSelected()){

availability="no";

}

try {

String sql="update Books set Title='"+bk\_tl1.getText()+"',AutherName='"+bk\_auth1.getText()+"',PublisherName='"+bk\_pub1.getText()+"' ,Availability='"+availability+"' where ISBN="+bk\_id1.getText()+"";

pst=con.prepareStatement(sql);

pst.execute();

booksList();//Updates The books List Table

empFields();//Method That Sets Text Null on all The TextFields

buttonGroup1.clearSelection();

JOptionPane.showMessageDialog(this,"Book Info Successfully Updated!");//Shows Message Dialog

} catch (Exception e) {

//If User Inputs Any Wrong data Simply Show This Message Dialog

JOptionPane.showMessageDialog(null,"invalid Fields Input!");

}

}//GEN-LAST:event\_jButton2ActionPerformed

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

try {//Updates the records in The Database

String sql="update Books set enable=0 where ISBN="+bk\_id1.getText()+"";

pst=con.prepareStatement(sql);

pst.execute();

booksList();//Updates The books List Table

empFields();//Method That Sets Text Null on all The TextFields

JOptionPane.showMessageDialog(this,"Successfully Deleted the Book!");//Shows Message Dialog

} catch (Exception e) {

}

}//GEN-LAST:event\_jButton3ActionPerformed

private void bk\_id1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_bk\_id1KeyReleased

try {

String sql="select \* from Books where ISBN="+bk\_id1.getText()+" and enable=1";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){//If Retrieves Records From Database

//Retrieves These Records From Database And Put Them On these TextFields

String booktitle=rs.getString("Title");

bk\_tl1.setText(booktitle);

String Bookauth=rs.getString("AutherName");

bk\_auth1.setText(Bookauth);

String bookpub=rs.getString("PublisherName");

bk\_pub1.setText(bookpub);

String available=rs.getString("Availability");

if(available.equalsIgnoreCase("yes")){

jRadioButton1.setSelected(true);

}else if(available.equalsIgnoreCase("no")){

jRadioButton2.setSelected(true);

}

}else{//If It Does not Then clears These TextFields

bk\_tl1.setText(null);

bk\_auth1.setText(null);

bk\_pub1.setText(null);

buttonGroup1.clearSelection();//Deselect Any RadioButton That is Within This buttongroup

}

} catch (Exception e) {

}

}//GEN-LAST:event\_bk\_id1KeyReleased

private void jLabel32MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel32MouseClicked

if(role.equals("admin")){//If role is Admin then Opens the MainMenu That is AdminPanel

MainMenu main=new MainMenu(id,role);//Takes Parameters id And Role

main.setVisible(true);

this.dispose();

}else if(role.equals("librarian")){//If role is Librarian Then Opens the LibrarianHome

librarianHome lh=new librarianHome(id,role);

lh.setVisible(true);

this.dispose();

}else if(role.equals("student")){//If role is Student then Opens the StudentHome

StudentHome sh=new StudentHome(id, role);

sh.setVisible(true);

this.dispose();

}

}//GEN-LAST:event\_jLabel32MouseClicked

private void jLabel19MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel19MouseClicked

// Opens Login Form When Clicked

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel19MouseClicked

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel2MouseClicked

//Opens AboutUs Form When Clicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel2MouseClicked

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

//Exits all The Forms That Are Open When Clicked

System.exit(0);

}//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(Books.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Books().setVisible(true);

}

});

}

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

private javax.swing.JTextField bk\_auth;

private javax.swing.JTextField bk\_auth1;

private javax.swing.JTextField bk\_id;

private javax.swing.JTextField bk\_id1;

private javax.swing.JTextField bk\_pub;

private javax.swing.JTextField bk\_pub1;

private javax.swing.JTextField bk\_tl;

private javax.swing.JTextField bk\_tl1;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

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

}

<--------------------------Books(END)------------------------------->

<-------------------------Librarian(START)------------------------------->

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author Sagar

\*/

public class Librarian extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String id=null;

String role=null;

/\*\*

\* Creates new form Librarian

\*/

public Librarian() {

initComponents();

con=dbConnectivity.Connect();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jPanel5.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}

Librarian(String id, String role) {

initComponents();

this.id=id;

this.role=role;

con=dbConnectivity.Connect();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jPanel5.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}

/\*\*

\* 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() {

buttonGroup1 = new javax.swing.ButtonGroup();

buttonGroup2 = new javax.swing.ButtonGroup();

jPanel1 = new javax.swing.JPanel();

jPanel3 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

lb\_id = new javax.swing.JTextField();

lb\_name = new javax.swing.JTextField();

lb\_email = new javax.swing.JTextField();

lb\_contact = new javax.swing.JTextField();

lb\_pass = new javax.swing.JPasswordField();

jRadioButton1 = new javax.swing.JRadioButton();

jRadioButton2 = new javax.swing.JRadioButton();

jButton1 = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jLabel20 = new javax.swing.JLabel();

jLabel21 = new javax.swing.JLabel();

jLabel38 = new javax.swing.JLabel();

lb\_id\_search = new javax.swing.JTextField();

lb\_id\_src = new javax.swing.JLabel();

lb\_email\_src = new javax.swing.JLabel();

lb\_name\_src = new javax.swing.JLabel();

lb\_gender\_src = new javax.swing.JLabel();

lb\_contact\_src = new javax.swing.JLabel();

jLabel17 = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();

jLabel19 = new javax.swing.JLabel();

jPanel5 = new javax.swing.JPanel();

jLabel12 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jRadioButton3 = new javax.swing.JRadioButton();

jLabel14 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

jRadioButton4 = new javax.swing.JRadioButton();

jButton2 = new javax.swing.JButton();

lb\_id1 = new javax.swing.JTextField();

lb\_name1 = new javax.swing.JTextField();

lb\_email1 = new javax.swing.JTextField();

jLabel16 = new javax.swing.JLabel();

jLabel22 = new javax.swing.JLabel();

lb\_contact1 = new javax.swing.JTextField();

lb\_pass1 = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jLabel23 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel24 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

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

setAutoRequestFocus(false);

setBackground(java.awt.Color.white);

setUndecorated(true);

jPanel1.setBackground(java.awt.Color.white);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(java.awt.Color.white);

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel2.setText("ID:");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel3.setText("Name:");

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel8.setText("Password:");

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel9.setText("Email:");

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel10.setText("Gender:");

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel11.setText("Contact:");

buttonGroup2.add(jRadioButton1);

jRadioButton1.setText("Male");

buttonGroup2.add(jRadioButton2);

jRadioButton2.setText("Female");

jButton1.setBackground(new java.awt.Color(0, 153, 153));

jButton1.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 255, 255));

jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/add.png"))); // NOI18N

jButton1.setText("Add");

jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton1ActionPerformed(evt);

}

});

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(258, 258, 258)

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

.addComponent(jLabel2)

.addComponent(jLabel3)

.addComponent(jLabel8)

.addComponent(jLabel9)

.addComponent(jLabel10)

.addComponent(jLabel11))

.addGap(28, 28, 28)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_contact, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_email, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_name, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_id)

.addComponent(lb\_pass)

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jRadioButton1)

.addGap(10, 10, 10)

.addComponent(jRadioButton2)))

.addContainerGap(301, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(34, 34, 34)

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

.addComponent(jLabel2)

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

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

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

.addComponent(jLabel3)

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

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

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

.addComponent(jLabel8)

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

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

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

.addComponent(jLabel9)

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

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

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

.addComponent(jLabel10)

.addComponent(jRadioButton1)

.addComponent(jRadioButton2))

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

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

.addComponent(jLabel11)

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

.addGap(18, 18, 18)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(75, Short.MAX\_VALUE))

);

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jPanel4.setBackground(java.awt.Color.white);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel20.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel20.setText("Librarian Gender :");

jLabel21.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel21.setText("Librarian Contact :");

jLabel38.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel38.setText("Librarian ID:");

lb\_id\_search.addKeyListener(new java.awt.event.KeyAdapter() {

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

lb\_id\_searchKeyReleased(evt);

}

});

lb\_id\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

lb\_id\_src.setText(" ");

lb\_email\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

lb\_email\_src.setText(" ");

lb\_name\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

lb\_name\_src.setText(" ");

lb\_gender\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

lb\_gender\_src.setText(" ");

lb\_contact\_src.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

lb\_contact\_src.setText(" ");

jLabel17.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel17.setText("Librarian ID :");

jLabel18.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel18.setText("Librarian Name :");

jLabel19.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel19.setText("Librarian Email :");

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

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(204, 204, 204)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel4Layout.createSequentialGroup()

.addComponent(jLabel38)

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

.addComponent(lb\_id\_search, javax.swing.GroupLayout.PREFERRED\_SIZE, 169, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(16, 16, 16))

.addGroup(jPanel4Layout.createSequentialGroup()

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

.addComponent(jLabel17)

.addComponent(jLabel18)

.addComponent(jLabel19)

.addComponent(jLabel20)

.addComponent(jLabel21))

.addGap(24, 24, 24)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(lb\_contact\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lb\_gender\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lb\_email\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lb\_name\_src, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lb\_id\_src, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(279, Short.MAX\_VALUE))

);

jPanel4Layout.setVerticalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(41, 41, 41)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED\_SIZE, 26, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(lb\_id\_search, javax.swing.GroupLayout.PREFERRED\_SIZE, 26, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(37, 37, 37)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel17)

.addComponent(lb\_id\_src))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel18)

.addComponent(lb\_name\_src))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel19)

.addComponent(lb\_email\_src))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel20)

.addComponent(lb\_gender\_src))

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

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel21)

.addComponent(lb\_contact\_src))

.addContainerGap(100, Short.MAX\_VALUE))

);

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jPanel5.setBackground(java.awt.Color.white);

jPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel12.setText("Email:");

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel13.setText("Gender:");

buttonGroup1.add(jRadioButton3);

jRadioButton3.setText("Male");

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel14.setText("ID:");

jLabel15.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel15.setText("Contact:");

buttonGroup1.add(jRadioButton4);

jRadioButton4.setText("Female");

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/update.png"))); // NOI18N

jButton2.setText("<html>Update<br>Librarian<html>");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

lb\_id1.addKeyListener(new java.awt.event.KeyAdapter() {

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

lb\_id1KeyReleased(evt);

}

});

jLabel16.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel16.setText("Name:");

jLabel22.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel22.setText("Password:");

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

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(258, 258, 258)

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

.addComponent(jLabel14)

.addComponent(jLabel16)

.addComponent(jLabel22)

.addComponent(jLabel12)

.addComponent(jLabel13)

.addComponent(jLabel15))

.addGap(28, 28, 28)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 133, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(lb\_contact1, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_email1, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_name1, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(lb\_id1)

.addComponent(lb\_pass1, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE))

.addGroup(jPanel5Layout.createSequentialGroup()

.addComponent(jRadioButton3)

.addGap(10, 10, 10)

.addComponent(jRadioButton4)))

.addContainerGap(301, Short.MAX\_VALUE))

);

jPanel5Layout.setVerticalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(34, 34, 34)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel14)

.addComponent(lb\_id1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel16)

.addComponent(lb\_name1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel22)

.addComponent(lb\_pass1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel12)

.addComponent(lb\_email1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

.addComponent(jRadioButton3)

.addComponent(jRadioButton4))

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

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel15)

.addComponent(lb\_contact1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(70, Short.MAX\_VALUE))

);

jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/add.png"))); // NOI18N

jLabel6.setText("ADD LIBRARIAN");

jLabel6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel6.setOpaque(true);

jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel6MouseClicked(evt);

}

});

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 110, 250, 30));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list.png"))); // NOI18N

jLabel7.setText("LIBRARIAN DETAILS");

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setOpaque(true);

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel7MouseClicked(evt);

}

});

jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 110, 260, 30));

jLabel5.setBackground(new java.awt.Color(0, 153, 153));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/edit.png"))); // NOI18N

jLabel5.setText("EDIT LIBRARIAN");

jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setOpaque(true);

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

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

jLabel5MouseClicked(evt);

}

});

jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(550, 110, 260, 30));

jLabel32.setBackground(new java.awt.Color(0, 153, 153));

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel32.setForeground(new java.awt.Color(255, 255, 255));

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel32.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/home (2).png"))); // NOI18N

jLabel32.setText("HOME");

jLabel32.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel32.setOpaque(true);

jLabel32.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel32MouseClicked(evt);

}

});

jPanel1.add(jLabel32, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 470, 130, 40));

jLabel23.setBackground(new java.awt.Color(0, 153, 153));

jLabel23.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel23.setForeground(new java.awt.Color(255, 255, 255));

jLabel23.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel23.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout (1).png"))); // NOI18N

jLabel23.setText("Logout");

jLabel23.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel23.setOpaque(true);

jLabel23.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel23MouseClicked(evt);

}

});

jPanel1.add(jLabel23, new org.netbeans.lib.awtextra.AbsoluteConstraints(700, 470, 130, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel24.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel24.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel24.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel24MouseClicked(evt);

}

});

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(29, 29, 29)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 92, Short.MAX\_VALUE)

.addComponent(jLabel24)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 530, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

pack();

setLocationRelativeTo(null);

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

private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel6MouseClicked

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jPanel5.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel6MouseClicked

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel7MouseClicked

jPanel4.setVisible(true);

jPanel5.setVisible(false);

jPanel3.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

jLabel5.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel7MouseClicked

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

jPanel5.setVisible(true);

jPanel4.setVisible(false);

jPanel3.setVisible(false);

jLabel5.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

jLabel6.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel5MouseClicked

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

String gender=null;

if(jRadioButton1.isSelected()){

gender="male";

}else if(jRadioButton2.isSelected()){

gender="female";

}else{

JOptionPane.showMessageDialog(null,"Please Select Your Gender!");

}

try {

String sql="insert into librarian\_Details (Id,UserName,Password,Email,Gender,Contact,Role) values ("+lb\_id.getText()+",'"+lb\_name.getText()+"','"+lb\_pass.getText()+"','"+lb\_email.getText()+"','"+gender+"',"+lb\_contact.getText()+",'librarian')";

pst=con.prepareStatement(sql);

pst.execute();

lb\_id.setText(null);

lb\_name.setText(null);

lb\_pass.setText(null);

lb\_email.setText(null);

lb\_contact.setText(null);

buttonGroup2.clearSelection();

JOptionPane.showMessageDialog(null, "Librarian Successflly Added!");

} catch (Exception e) {

JOptionPane.showMessageDialog(null, "Invalid Fields Input!");

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void lb\_id\_searchKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_lb\_id\_searchKeyReleased

try {

String sql="select \* from librarian\_Details where Id="+lb\_id\_search.getText()+" and Role='librarian'";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

int id=rs.getInt("Id");

lb\_id\_src.setText(Integer.toString(id));

lb\_name\_src.setText(rs.getString("UserName"));

lb\_email\_src.setText(rs.getString("Email"));

lb\_gender\_src.setText(rs.getString("Gender"));

lb\_contact\_src.setText(rs.getInt("Contact")+"");

}else{

lb\_id\_src.setText(null);

lb\_name\_src.setText(null);

lb\_email\_src.setText(null);

lb\_gender\_src.setText(null);

lb\_contact\_src.setText(null);

}

} catch (Exception e) {

}

}//GEN-LAST:event\_lb\_id\_searchKeyReleased

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

String gender=null;

if(jRadioButton3.isSelected()){

gender="male";

}else if(jRadioButton4.isSelected()){

gender="female";

}

try {

String sql="update librarian\_Details set UserName='"+lb\_name1.getText()+"',Password='"+lb\_pass1.getText()+"',Email='"+lb\_email1.getText()+"',Gender='"+gender+"' , Contact="+lb\_contact1.getText()+" where Id="+lb\_id1.getText()+"";

pst=con.prepareStatement(sql);

pst.execute();

lb\_name1.setText(null);

lb\_pass1.setText(null);

lb\_email1.setText(null);

lb\_contact1.setText(null);

lb\_id1.setText(null);

buttonGroup1.clearSelection();

JOptionPane.showMessageDialog(null,"Librarian Successfully Updated!");

} catch (Exception e) {

JOptionPane.showMessageDialog(null, "Invalid Fields Input");

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jLabel32MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel32MouseClicked

// TODO add your handling code here:

MainMenu main=new MainMenu();

main.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel32MouseClicked

private void jLabel23MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel23MouseClicked

// TODO add your handling code here:

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel23MouseClicked

private void lb\_id1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_lb\_id1KeyReleased

String gender=null;

try {

String sql="select \* from librarian\_details where id="+lb\_id1.getText()+" and role='librarian'";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

lb\_name1.setText(rs.getString("UserName"));

lb\_contact1.setText(rs.getInt("Contact")+"");

lb\_pass1.setText(rs.getString("Password"));

lb\_email1.setText(rs.getString("Email"));

gender=rs.getString("Gender");

if(gender.equalsIgnoreCase("male")){

jRadioButton3.setSelected(true);

}else if(gender.equalsIgnoreCase("female")){

jRadioButton4.setSelected(true);

}

}else{

lb\_name1.setText(null);

lb\_contact1.setText(null);

lb\_pass1.setText(null);

lb\_email1.setText(null);

buttonGroup1.clearSelection();

}

} catch (Exception e) {

}

}//GEN-LAST:event\_lb\_id1KeyReleased

private void jLabel24MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel24MouseClicked

//Opens AboutUs Form When Clicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel24MouseClicked

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

//Exits all The Forms That Are Open When Clicked

System.exit(0);

}//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(Librarian.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Librarian().setVisible(true);

}

});

}

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

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.ButtonGroup buttonGroup2;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel20;

private javax.swing.JLabel jLabel21;

private javax.swing.JLabel jLabel22;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel38;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JRadioButton jRadioButton3;

private javax.swing.JRadioButton jRadioButton4;

private javax.swing.JTextField lb\_contact;

private javax.swing.JTextField lb\_contact1;

private javax.swing.JLabel lb\_contact\_src;

private javax.swing.JTextField lb\_email;

private javax.swing.JTextField lb\_email1;

private javax.swing.JLabel lb\_email\_src;

private javax.swing.JLabel lb\_gender\_src;

private javax.swing.JTextField lb\_id;

private javax.swing.JTextField lb\_id1;

private javax.swing.JTextField lb\_id\_search;

private javax.swing.JLabel lb\_id\_src;

private javax.swing.JTextField lb\_name;

private javax.swing.JTextField lb\_name1;

private javax.swing.JLabel lb\_name\_src;

private javax.swing.JPasswordField lb\_pass;

private javax.swing.JTextField lb\_pass1;

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

}

<--------------------------Librarian(END)------------------------------->

<--------------------------MainMenu(START)------------------------------->

/\*

\* 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 librarymanagementsystem2;

/\*\*

\*

\* @author Sagar

\*/

public class MainMenu extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

String id=null;

String role=null;

/\*\*

\* Creates new form MainMenu

\*/

public MainMenu() {

initComponents();

}

MainMenu(String id, String role) {

initComponents();

this.id=id;

this.role=role;

}

/\*\*

\* 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() {

jPanel3 = new javax.swing.JPanel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jButton3 = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel5 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

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

setBackground(new java.awt.Color(254, 245, 244));

setUndecorated(true);

jPanel3.setBackground(new java.awt.Color(254, 245, 244));

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

jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel2MouseClicked(evt);

}

});

jButton3.setBackground(new java.awt.Color(0, 153, 153));

jButton3.setForeground(java.awt.Color.white);

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton3.setContentAreaFilled(false);

jButton3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton3ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(30, 30, 30)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 91, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel3.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

jPanel1.setBackground(new java.awt.Color(254, 245, 244));

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel5.setBackground(new java.awt.Color(0, 153, 153));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

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

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/student.png"))); // NOI18N

jLabel5.setText("Manage Students");

jLabel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setOpaque(true);

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

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

jLabel5MouseClicked(evt);

}

});

jLabel8.setBackground(new java.awt.Color(0, 153, 153));

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel8.setForeground(new java.awt.Color(255, 255, 255));

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/ManageBook.png"))); // NOI18N

jLabel8.setText("Manage Books");

jLabel8.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel8.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel8.setOpaque(true);

jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel8MouseClicked(evt);

}

});

jLabel9.setBackground(new java.awt.Color(0, 153, 153));

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel9.setForeground(new java.awt.Color(255, 255, 255));

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/professor.png"))); // NOI18N

jLabel9.setText("Manage Librarians");

jLabel9.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel9.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel9.setOpaque(true);

jLabel9.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel9MouseClicked(evt);

}

});

jLabel10.setBackground(new java.awt.Color(0, 153, 153));

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel10.setForeground(new java.awt.Color(255, 255, 255));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/history.png"))); // NOI18N

jLabel10.setText("Transaction History");

jLabel10.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel10.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel10.setOpaque(true);

jLabel10.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel10MouseClicked(evt);

}

});

jLabel14.setBackground(new java.awt.Color(0, 153, 153));

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel14.setForeground(new java.awt.Color(255, 255, 255));

jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel14.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/settings.png"))); // NOI18N

jLabel14.setText("Admin Setting ");

jLabel14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel14.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel14.setOpaque(true);

jLabel14.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel14MouseClicked(evt);

}

});

jLabel11.setBackground(new java.awt.Color(0, 153, 153));

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel11.setForeground(new java.awt.Color(255, 255, 255));

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel11.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout.png"))); // NOI18N

jLabel11.setText("LogOut ");

jLabel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel11.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel11.setOpaque(true);

jLabel11.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel11MouseClicked(evt);

}

});

jLabel13.setBackground(new java.awt.Color(0, 153, 153));

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel13.setForeground(new java.awt.Color(255, 255, 255));

jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel13.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Exit.png"))); // NOI18N

jLabel13.setText("Exit ");

jLabel13.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel13.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel13.setOpaque(true);

jLabel13.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel13MouseClicked(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()

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

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, 227, Short.MAX\_VALUE)

.addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 224, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

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

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 225, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addGap(18, 18, 18)

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

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT\_SIZE, 231, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 95, Short.MAX\_VALUE)

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

.addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(17, 17, 17)

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

.addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT\_SIZE, 96, Short.MAX\_VALUE)

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT\_SIZE, 102, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel3.add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(41, 135, 750, 360));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/admin.png"))); // NOI18N

jLabel6.setText("Admin Panel");

jLabel6.setOpaque(true);

jPanel3.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(591, 100, 200, 40));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel3, 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(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 521, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

pack();

setLocationRelativeTo(null);

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

private void jLabel9MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel9MouseClicked

Librarian lb=new Librarian(id,role);

lb.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel9MouseClicked

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

Student std=new Student(id,role);

std.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel5MouseClicked

private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel8MouseClicked

Books bk=new Books(id,role);

bk.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel8MouseClicked

private void jLabel14MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel14MouseClicked

Setting set=new Setting(id,role);

set.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel14MouseClicked

private void jLabel10MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel10MouseClicked

transactionHistory th=new transactionHistory(id,role);

th.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel10MouseClicked

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel2MouseClicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel2MouseClicked

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

System.exit(0);

}//GEN-LAST:event\_jButton3ActionPerformed

private void jLabel11MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel11MouseClicked

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel11MouseClicked

private void jLabel13MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel13MouseClicked

System.exit(0);

}//GEN-LAST:event\_jLabel13MouseClicked

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new MainMenu().setVisible(true);

}

});

}

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

private javax.swing.JButton jButton3;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

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

}

<--------------------------MainMenu(END)------------------------------->

<--------------------------Setting(START)------------------------------->

/\*

\* 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 librarymanagementsystem2;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author Sagar

\*/

public class Setting extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

String id=null;

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String role=null;

/\*\*

\* Creates new form Setting

\*/

public Setting() {

initComponents();

con=dbConnectivity.Connect();

}

Setting(String id, String role) {

initComponents();

con=dbConnectivity.Connect();

this.id=id;

this.role=role;

}

/\*\*

\* 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();

jPanel4 = new javax.swing.JPanel();

jPanel3 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

renew\_pass = new javax.swing.JPasswordField();

current\_pass = new javax.swing.JPasswordField();

new\_pass = new javax.swing.JPasswordField();

jPanel5 = new javax.swing.JPanel();

jLabel12 = new javax.swing.JLabel();

name = new javax.swing.JTextField();

jLabel13 = new javax.swing.JLabel();

email = new javax.swing.JTextField();

jLabel14 = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

current\_pass1 = new javax.swing.JPasswordField();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel24 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

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

setUndecorated(true);

jPanel1.setBackground(java.awt.Color.white);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel4.setBackground(java.awt.Color.white);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(java.awt.Color.white);

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel9.setText("Enter Current Password:");

jPanel3.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 20, -1, 20));

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel10.setText("New Password:");

jPanel3.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 80, -1, 20));

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel11.setText(" Re-Enter New Password:");

jPanel3.add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(60, 140, 158, 20));

jButton1.setBackground(new java.awt.Color(0, 153, 153));

jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 255, 255));

jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jButton1.setText("Change");

jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton1ActionPerformed(evt);

}

});

jPanel3.add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 190, 120, 40));

jPanel3.add(renew\_pass, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 160, 180, -1));

jPanel3.add(current\_pass, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 50, 180, -1));

jPanel3.add(new\_pass, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 110, 180, -1));

jPanel4.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(60, 50, 280, 250));

jPanel5.setBackground(java.awt.Color.white);

jPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel12.setText("Name:");

jPanel5.add(jLabel12, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 20, -1, 30));

name.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jPanel5.add(name, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 50, 170, -1));

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel13.setText("Email:");

jPanel5.add(jLabel13, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 80, -1, 30));

email.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jPanel5.add(email, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 110, 170, -1));

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel14.setText(" Enter Current Password:");

jPanel5.add(jLabel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(60, 140, 150, -1));

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jButton2.setText("Change");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

jPanel5.add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 190, 110, 40));

jPanel5.add(current\_pass1, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 160, 170, -1));

jPanel4.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(460, 50, 270, 250));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/password (2).png"))); // NOI18N

jLabel7.setText("Password");

jLabel7.setOpaque(true);

jPanel4.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 20, 180, 30));

jLabel8.setBackground(new java.awt.Color(0, 153, 153));

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel8.setForeground(new java.awt.Color(255, 255, 255));

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/id-card (1).png"))); // NOI18N

jLabel8.setText("Information");

jLabel8.setOpaque(true);

jPanel4.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 20, 170, 30));

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/settings (1).png"))); // NOI18N

jLabel6.setText("Admin Settings");

jLabel6.setOpaque(true);

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(611, 100, 199, 40));

jLabel32.setBackground(new java.awt.Color(0, 153, 153));

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel32.setForeground(new java.awt.Color(255, 255, 255));

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel32.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/home (2).png"))); // NOI18N

jLabel32.setText("HOME");

jLabel32.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel32.setOpaque(true);

jLabel32.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel32MouseClicked(evt);

}

});

jPanel1.add(jLabel32, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 470, 130, 40));

jLabel15.setBackground(new java.awt.Color(0, 153, 153));

jLabel15.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel15.setForeground(new java.awt.Color(255, 255, 255));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel15.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout (1).png"))); // NOI18N

jLabel15.setText("Logout");

jLabel15.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel15.setOpaque(true);

jLabel15.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel15MouseClicked(evt);

}

});

jPanel1.add(jLabel15, new org.netbeans.lib.awtextra.AbsoluteConstraints(710, 470, 130, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel24.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel24.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel24.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel24MouseClicked(evt);

}

});

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(28, 28, 28)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 93, Short.MAX\_VALUE)

.addComponent(jLabel24)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 522, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

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

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

try {

//first check if id and current Password matches

String sql1="select \* from librarian\_Details where Id="+id+" and Password='"+current\_pass.getText()+"'";

//updates password where id matches

String sql="update librarian\_Details set Password='"+new\_pass.getText()+"' where id="+id+"";

pst=con.prepareStatement(sql1);

rs=pst.executeQuery();

if(rs.next()){

if(new\_pass.getText().equals(renew\_pass.getText())){//If Both PasswordFields Matches

pst=con.prepareStatement(sql);

pst.execute();

JOptionPane.showMessageDialog(null, "Password Changed!");

current\_pass.setText(null);

new\_pass.setText(null);

renew\_pass.setText(null);

}else {

JOptionPane.showMessageDialog(null,"Both Fields Should Match!");

}

} else{

JOptionPane.showMessageDialog(null,"Please Enter Correct Password!");

}

} catch (Exception e) {

}

}//GEN-LAST:event\_jButton1ActionPerformed

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

try {

//first check if id and current Password matches

String sql1="select \* from librarian\_Details where Id="+id+" and Password='"+current\_pass1.getText()+"'";

//update username ,email where id and password matches

String sql="update librarian\_Details set UserName='"+name.getText()+"' ,Email='"+email.getText()+"' where Id="+id+" and Password='"+current\_pass1.getText()+"'";

pst=con.prepareStatement(sql1);

rs=pst.executeQuery();

if(rs.next()){

pst=con.prepareStatement(sql);

pst.execute();

JOptionPane.showMessageDialog(null, "Saved Changes!");

current\_pass1.setText(null);

name.setText(null);

email.setText(null);

}else{

JOptionPane.showMessageDialog(null, "Please Enter Correct Password!");

}

} catch (Exception e) {

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jLabel32MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel32MouseClicked

//Opens AdminPanel Form When Clicked

MainMenu main=new MainMenu(id,role);

main.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel32MouseClicked

private void jLabel15MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel15MouseClicked

//Opens Login Form When Clicked

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel15MouseClicked

private void jLabel24MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel24MouseClicked

//Opens AboutUs Form When Clicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel24MouseClicked

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

//Exits all The Forms That Are Open When Clicked

System.exit(0);

}//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(Setting.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Setting().setVisible(true);

}

});

}

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

private javax.swing.JPasswordField current\_pass;

private javax.swing.JPasswordField current\_pass1;

private javax.swing.JTextField email;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JTextField name;

private javax.swing.JPasswordField new\_pass;

private javax.swing.JPasswordField renew\_pass;

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

}

<--------------------------Setting(END)------------------------------------->

<--------------------------StudentHome(START)--------------------------->

/\*

\* 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 librarymanagementsystem2;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author Sagar

\*/

public class StudentHome extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

String id=null;

String role;

/\*\*

\* Creates new form Librarian

\*/

public StudentHome() {

initComponents();

this.role = "student";

}

StudentHome(String id, String role) {

initComponents();

this.role = "student";

this.id=id;

}

/\*\*

\* 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();

jPanel3 = new javax.swing.JPanel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

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

setUndecorated(true);

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

jPanel1.setBackground(new java.awt.Color(254, 245, 244));

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(new java.awt.Color(254, 245, 244));

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 4));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list (2).png"))); // NOI18N

jLabel7.setText("Books List");

jLabel7.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setOpaque(true);

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel7MouseClicked(evt);

}

});

jLabel8.setBackground(new java.awt.Color(0, 153, 153));

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel8.setForeground(new java.awt.Color(255, 255, 255));

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/ManageBook.png"))); // NOI18N

jLabel8.setText("Request Book");

jLabel8.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel8.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel8.setOpaque(true);

jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel8MouseClicked(evt);

}

});

jLabel9.setBackground(new java.awt.Color(0, 153, 153));

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel9.setForeground(new java.awt.Color(255, 255, 255));

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Exit.png"))); // NOI18N

jLabel9.setText("Exit");

jLabel9.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel9.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel9.setOpaque(true);

jLabel10.setBackground(new java.awt.Color(0, 153, 153));

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel10.setForeground(new java.awt.Color(255, 255, 255));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/password.png"))); // NOI18N

jLabel10.setText("Change Password");

jLabel10.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel10.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel10.setOpaque(true);

jLabel10.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel10MouseClicked(evt);

}

});

jLabel11.setBackground(new java.awt.Color(0, 153, 153));

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel11.setForeground(new java.awt.Color(255, 255, 255));

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel11.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list (2).png"))); // NOI18N

jLabel11.setText("Borrow List");

jLabel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel11.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel11.setOpaque(true);

jLabel11.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel11MouseClicked(evt);

}

});

jLabel12.setBackground(new java.awt.Color(0, 153, 153));

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel12.setForeground(new java.awt.Color(255, 255, 255));

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel12.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout.png"))); // NOI18N

jLabel12.setText("LogOut");

jLabel12.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 102, 102)));

jLabel12.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel12.setOpaque(true);

jLabel12.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel12MouseClicked(evt);

}

});

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 220, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 213, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 220, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 214, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, 208, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(28, 28, 28))

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(31, 31, 31)

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

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26)

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

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(41, Short.MAX\_VALUE))

);

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 140, 740, 300));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/student\_home.png"))); // NOI18N

jLabel6.setText("Student Home");

jLabel6.setOpaque(true);

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(600, 100, 180, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel2MouseClicked(evt);

}

});

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(30, 30, 30)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 81, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 830, 510));

pack();

setLocationRelativeTo(null);

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

private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel8MouseClicked

studentRequest sr=new studentRequest(id,role);

sr.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel8MouseClicked

private void jLabel10MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel10MouseClicked

int response = JOptionPane.showConfirmDialog(null, "After Entering the Change Password You Will be Logged Out?", "Confirm",

JOptionPane.YES\_NO\_OPTION, JOptionPane.QUESTION\_MESSAGE);

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

changePassword pass=new changePassword();

pass.setVisible(true);

this.dispose();

}

}//GEN-LAST:event\_jLabel10MouseClicked

private void jLabel12MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel12MouseClicked

Login lg=new Login();

lg.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel12MouseClicked

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel2MouseClicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel2MouseClicked

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

System.exit(0);

}//GEN-LAST:event\_jButton4ActionPerformed

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel7MouseClicked

Books bk=new Books(id,role);

bk.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel7MouseClicked

private void jLabel11MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel11MouseClicked

BorrowBook bb=new BorrowBook(id, role);

bb.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel11MouseClicked

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new StudentHome ().setVisible(true);

}

});

}

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

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

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

}

<--------------------------StudentHome(END)----------------------------->

<--------------------------BorrowBook(START)---------------------------->

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author Sagar

\*/

public class BorrowBook extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String Date=null;

String username=null;

String id=null;

String role=null;

String time=null;

String available=null;

String returnId=null;

/\*\*

\* Creates new form BorrowBook

\*/

public BorrowBook() {

initComponents();

con=dbConnectivity.Connect();

initPanelsNLabels();

std\_name.setEditable(false);

std\_email.setEditable(false);

std\_fname.setEditable(false);

//returnedList();

Borrow\_details();

}

BorrowBook(String id, String role) {

initComponents();

con=dbConnectivity.Connect();

this.id=id;

this.role=role;

if(role.equals("student") ){

jPanel1.setVisible(false);

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel27.setVisible(true);

jLabel25.setVisible(false);

jLabel26.setVisible(false);

jLabel24.setVisible(false);

stdBorrowList();

}else if(role.equals("librarian")){

initPanelsNLabels();

Borrow\_details();

std\_name.setEditable(false);

std\_email.setEditable(false);

std\_fname.setEditable(false);

}

}

public void getTime(){

Date date=new Date();

SimpleDateFormat sdf=new SimpleDateFormat("hh:mm");

time=sdf.format(date);

System.out.println(time);

}

public void initPanelsNLabels(){

jPanel1.setVisible(true);

jPanel3.setVisible(false);

jPanel4.setVisible(false);

jLabel27.setVisible(false);

jLabel25.setBackground(new Color(0,153,153));

jLabel26.setBackground(new Color(0,153,153,150));

jLabel24.setBackground(new Color(0,153,153,150));

}

public void Borrow\_details(){

try {

String sql="SELECT dbo.borrow\_detail.id, dbo.student\_details.Name AS StudentName, dbo.Books.Title AS Book, dbo.borrow\_detail.Date\_from, dbo.borrow\_detail.Date\_to, dbo.borrow\_detail.Issue\_time, dbo.borrow\_detail.Return\_time, \n" +

" dbo.borrow\_detail.Actual\_Return\_Date, dbo.librarian\_details.UserName AS IssuedBy, dbo.borrow\_detail.Status\n" +

"FROM dbo.Books INNER JOIN\n" +

" dbo.borrow\_detail ON dbo.Books.ISBN = dbo.borrow\_detail.Book\_ISBN INNER JOIN\n" +

" dbo.librarian\_details ON dbo.borrow\_detail.Issued\_by = dbo.librarian\_details.id INNER JOIN\n" +

" dbo.student\_details ON dbo.borrow\_detail.Student\_id = dbo.student\_details.Student\_id";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

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

} catch (Exception e) {

System.out.println(e);

}

}

public void stdBorrowList(){

try {

String sql="SELECT dbo.borrow\_detail.id, dbo.student\_details.Name AS StudentName, dbo.Books.Title AS Book, dbo.borrow\_detail.Date\_from, dbo.borrow\_detail.Date\_to, dbo.borrow\_detail.Actual\_Return\_Date, \n" +

" dbo.librarian\_details.UserName AS IssuedBy, dbo.borrow\_detail.Status\n" +

"FROM dbo.Books INNER JOIN\n" +

" dbo.borrow\_detail ON dbo.Books.ISBN = dbo.borrow\_detail.Book\_ISBN INNER JOIN\n" +

" dbo.librarian\_details ON dbo.borrow\_detail.Issued\_by = dbo.librarian\_details.id INNER JOIN\n" +

" dbo.student\_details ON dbo.borrow\_detail.Student\_id = dbo.student\_details.Student\_id\n" +

"WHERE dbo.borrow\_detail.Student\_id ="+id+"";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

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

} catch (Exception e) {

System.out.println(e);

}

}

public void getIssuedList(){

try {

String sql="SELECT dbo.borrow\_detail.id, dbo.Books.Title AS Book, dbo.student\_details.Name AS StudentName\n" +

"FROM dbo.Books INNER JOIN\n" +

" dbo.borrow\_detail ON dbo.Books.ISBN = dbo.borrow\_detail.Book\_ISBN INNER JOIN\n" +

" dbo.student\_details ON dbo.borrow\_detail.Student\_id = dbo.student\_details.Student\_id where dbo.borrow\_detail.Student\_id="+re\_std\_id.getText()+" and dbo.borrow\_detail.Status='Issued'";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

jTable2.setModel(DbUtils.resultSetToTableModel(rs));

if(!rs.next()){

re\_std\_name.setText(null);

re\_bk\_title.setText(null);

re\_date.setText(null);

}

} catch (Exception 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() {

jButton3 = new javax.swing.JButton();

jPanel8 = new javax.swing.JPanel();

jPanel1 = new javax.swing.JPanel();

jPanel5 = new javax.swing.JPanel();

jLabel8 = new javax.swing.JLabel();

std\_id = new javax.swing.JTextField();

jPanel6 = new javax.swing.JPanel();

jLabel12 = new javax.swing.JLabel();

bk\_isbn = new javax.swing.JTextField();

jLabel13 = new javax.swing.JLabel();

bk\_tl = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jPanel7 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

std\_name = new javax.swing.JTextField();

std\_fname = new javax.swing.JTextField();

std\_email = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jPanel11 = new javax.swing.JPanel();

jLabel29 = new javax.swing.JLabel();

jLabel30 = new javax.swing.JLabel();

jDateChooser1 = new com.toedter.calendar.JDateChooser();

jDateChooser2 = new com.toedter.calendar.JDateChooser();

jLabel28 = new javax.swing.JLabel();

jLabel31 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jPanel4 = new javax.swing.JPanel();

jPanel9 = new javax.swing.JPanel();

jLabel16 = new javax.swing.JLabel();

jLabel19 = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

re\_std\_id = new javax.swing.JTextField();

jLabel20 = new javax.swing.JLabel();

jLabel21 = new javax.swing.JLabel();

re\_bk\_title = new javax.swing.JLabel();

re\_std\_name = new javax.swing.JLabel();

re\_date = new javax.swing.JLabel();

jPanel10 = new javax.swing.JPanel();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jLabel15 = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();

jLabel24 = new javax.swing.JLabel();

jLabel25 = new javax.swing.JLabel();

jLabel26 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

jLabel27 = new javax.swing.JLabel();

jButton3.setText("jButton3");

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

setUndecorated(true);

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

jPanel8.setBackground(new java.awt.Color(254, 245, 244));

jPanel8.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel8.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel1.setBackground(new java.awt.Color(254, 245, 244));

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel5.setBackground(new java.awt.Color(254, 245, 244));

jPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 3));

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel8.setText("Student ID:");

std\_id.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_id.addKeyListener(new java.awt.event.KeyAdapter() {

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

std\_idKeyReleased(evt);

}

});

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

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(4, 4, 4)

.addComponent(jLabel8)

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

.addComponent(std\_id, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

jPanel5Layout.setVerticalGroup(

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

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(24, 24, 24)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

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

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

);

jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(39, 70, 240, 70));

jPanel6.setBackground(new java.awt.Color(254, 245, 244));

jPanel6.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 3));

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel12.setText("ISBN");

bk\_isbn.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

bk\_isbn.addKeyListener(new java.awt.event.KeyAdapter() {

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

bk\_isbnKeyReleased(evt);

}

});

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel13.setText("Book Title");

bk\_tl.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jButton1.setBackground(new java.awt.Color(0, 153, 153));

jButton1.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 255, 255));

jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jButton1.setText("Issue");

jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton1ActionPerformed(evt);

}

});

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

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

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

.addGroup(jPanel6Layout.createSequentialGroup()

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(18, 18, 18)

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

.addComponent(bk\_tl, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(bk\_isbn, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(73, 73, 73)

.addComponent(jLabel12))

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(58, 58, 58)

.addComponent(jLabel13))

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(41, 41, 41)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 104, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(30, Short.MAX\_VALUE))

);

jPanel6Layout.setVerticalGroup(

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

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(jLabel12)

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

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

.addGap(18, 18, 18)

.addComponent(jLabel13)

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

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

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

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 40, Short.MAX\_VALUE)

.addGap(18, 18, 18))

);

jPanel1.add(jPanel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(550, 70, 200, 210));

jPanel7.setBackground(new java.awt.Color(254, 245, 244));

jPanel7.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 3));

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel9.setText("Name:");

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel10.setText("Father Name:");

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel11.setText("Email:");

std\_name.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_fname.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

std\_email.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);

jPanel7.setLayout(jPanel7Layout);

jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(19, 19, 19)

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(std\_email, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_fname, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(std\_name, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(70, 70, 70)

.addComponent(jLabel9))

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(50, 50, 50)

.addComponent(jLabel10))

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(70, 70, 70)

.addComponent(jLabel11)))

.addContainerGap(30, Short.MAX\_VALUE))

);

jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel9)

.addGap(3, 3, 3)

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

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

.addComponent(jLabel10)

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

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

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

.addComponent(jLabel11)

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

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

.addContainerGap(35, Short.MAX\_VALUE))

);

jPanel1.add(jPanel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(310, 70, -1, 210));

jLabel5.setBackground(new java.awt.Color(0, 153, 153));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/id-card (1).png"))); // NOI18N

jLabel5.setText("Book ID");

jLabel5.setOpaque(true);

jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(630, 40, 120, 30));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/calendar.png"))); // NOI18N

jLabel6.setText("Issue Date");

jLabel6.setOpaque(true);

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 150, 120, 30));

jPanel11.setBackground(new java.awt.Color(254, 245, 244));

jPanel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 3));

jPanel11.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel29.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel29.setText("From:");

jPanel11.add(jLabel29, new org.netbeans.lib.awtextra.AbsoluteConstraints(13, 14, -1, 20));

jLabel30.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel30.setText("To:");

jPanel11.add(jLabel30, new org.netbeans.lib.awtextra.AbsoluteConstraints(13, 52, -1, 20));

jDateChooser1.setDateFormatString("yyyy/MM/dd");

jPanel11.add(jDateChooser1, new org.netbeans.lib.awtextra.AbsoluteConstraints(79, 14, 140, -1));

jDateChooser2.setDateFormatString("yyyy/MM/dd");

jPanel11.add(jDateChooser2, new org.netbeans.lib.awtextra.AbsoluteConstraints(79, 52, 140, -1));

jPanel1.add(jPanel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 180, 240, 100));

jLabel28.setBackground(new java.awt.Color(0, 153, 153));

jLabel28.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel28.setForeground(new java.awt.Color(255, 255, 255));

jLabel28.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel28.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/id-card (1).png"))); // NOI18N

jLabel28.setText("Student ID");

jLabel28.setOpaque(true);

jPanel1.add(jLabel28, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 40, 119, 30));

jLabel31.setBackground(new java.awt.Color(0, 153, 153));

jLabel31.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel31.setForeground(new java.awt.Color(255, 255, 255));

jLabel31.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel31.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/clipboard.png"))); // NOI18N

jLabel31.setText("Auto Fill ");

jLabel31.setOpaque(true);

jPanel1.add(jLabel31, new org.netbeans.lib.awtextra.AbsoluteConstraints(390, 40, 121, 30));

jPanel8.add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 150, 770, 310));

jPanel3.setBackground(new java.awt.Color(254, 245, 244));

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jTable1.setBackground(new java.awt.Color(254, 245, 244));

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

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane1.setViewportView(jTable1);

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 760, Short.MAX\_VALUE)

);

jPanel3Layout.setVerticalGroup(

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 300, Short.MAX\_VALUE)

);

jPanel8.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 150, 770, 310));

jPanel4.setBackground(new java.awt.Color(255, 255, 255));

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel9.setBackground(new java.awt.Color(254, 245, 244));

jPanel9.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 3));

jPanel9.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel16.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel16.setText("Book Title:");

jPanel9.add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 60, -1, 20));

jLabel19.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel19.setText("Student ID:");

jPanel9.add(jLabel19, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 30, -1, 20));

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jButton2.setText("Return");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

jPanel9.add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 170, 130, 40));

re\_std\_id.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

re\_std\_id.addKeyListener(new java.awt.event.KeyAdapter() {

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

re\_std\_idKeyReleased(evt);

}

});

jPanel9.add(re\_std\_id, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 30, 130, -1));

jLabel20.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel20.setText("Student Name:");

jPanel9.add(jLabel20, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 90, -1, 20));

jLabel21.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel21.setText("Return Date:");

jPanel9.add(jLabel21, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 120, -1, 20));

re\_bk\_title.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

re\_bk\_title.setText(" ");

jPanel9.add(re\_bk\_title, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 60, 120, 20));

re\_std\_name.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

re\_std\_name.setText(" ");

jPanel9.add(re\_std\_name, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 90, 120, 20));

re\_date.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

re\_date.setText(" ");

jPanel9.add(re\_date, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 120, 120, 20));

jPanel4.add(jPanel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 50, 260, 240));

jPanel10.setBackground(new java.awt.Color(254, 245, 244));

jPanel10.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 3));

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);

jPanel10.setLayout(jPanel10Layout);

jPanel10Layout.setHorizontalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 434, Short.MAX\_VALUE)

);

jPanel10Layout.setVerticalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 234, Short.MAX\_VALUE)

);

jPanel4.add(jPanel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(310, 50, 440, 240));

jLabel15.setBackground(new java.awt.Color(0, 153, 153));

jLabel15.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel15.setForeground(new java.awt.Color(255, 255, 255));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel15.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/back-arrow (2).png"))); // NOI18N

jLabel15.setText("Return a Book");

jLabel15.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jLabel15.setOpaque(true);

jPanel4.add(jLabel15, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 20, 180, 30));

jLabel18.setBackground(new java.awt.Color(0, 153, 153));

jLabel18.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel18.setForeground(new java.awt.Color(255, 255, 255));

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel18.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list.png"))); // NOI18N

jLabel18.setText("Returned Books List");

jLabel18.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jLabel18.setOpaque(true);

jPanel4.add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(570, 20, 180, 30));

jPanel8.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 150, 770, 310));

jLabel24.setBackground(new java.awt.Color(0, 153, 153));

jLabel24.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel24.setForeground(new java.awt.Color(255, 255, 255));

jLabel24.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel24.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/back-arrow (2).png"))); // NOI18N

jLabel24.setText("Return Book");

jLabel24.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel24.setOpaque(true);

jLabel24.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel24MouseClicked(evt);

}

});

jPanel8.add(jLabel24, new org.netbeans.lib.awtextra.AbsoluteConstraints(550, 120, 250, 30));

jLabel25.setBackground(new java.awt.Color(0, 153, 153));

jLabel25.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel25.setForeground(new java.awt.Color(255, 255, 255));

jLabel25.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel25.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/issue-book.png"))); // NOI18N

jLabel25.setText("Issue Book");

jLabel25.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel25.setOpaque(true);

jLabel25.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel25MouseClicked(evt);

}

});

jPanel8.add(jLabel25, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 120, 250, 30));

jLabel26.setBackground(new java.awt.Color(0, 153, 153));

jLabel26.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel26.setForeground(new java.awt.Color(255, 255, 255));

jLabel26.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel26.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list.png"))); // NOI18N

jLabel26.setText("Borrow List");

jLabel26.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel26.setOpaque(true);

jLabel26.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel26MouseClicked(evt);

}

});

jPanel8.add(jLabel26, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 120, 250, 30));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout (1).png"))); // NOI18N

jLabel7.setText("Logout");

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setOpaque(true);

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel7MouseClicked(evt);

}

});

jPanel8.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(700, 470, 130, 40));

jLabel32.setBackground(new java.awt.Color(0, 153, 153));

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel32.setForeground(new java.awt.Color(255, 255, 255));

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel32.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/home (2).png"))); // NOI18N

jLabel32.setText("HOME");

jLabel32.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel32.setOpaque(true);

jLabel32.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel32MouseClicked(evt);

}

});

jPanel8.add(jLabel32, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 470, 130, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel2MouseClicked(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(28, 28, 28)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 83, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel8.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

jLabel27.setBackground(new java.awt.Color(0, 153, 153));

jLabel27.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel27.setForeground(new java.awt.Color(255, 255, 255));

jLabel27.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel27.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list.png"))); // NOI18N

jLabel27.setText("Borrow List");

jLabel27.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel27.setOpaque(true);

jPanel8.add(jLabel27, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 120, 770, 30));

getContentPane().add(jPanel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 830, 530));

pack();

setLocationRelativeTo(null);

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

private void jLabel25MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel25MouseClicked

jPanel1.setVisible(true);

jPanel3.setVisible(false);

jPanel4.setVisible(false);

jLabel25.setBackground(new Color(0,153,153));

jLabel26.setBackground(new Color(0,153,153,150));

jLabel24.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel25MouseClicked

private void jLabel26MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel26MouseClicked

jPanel3.setVisible(true);

jPanel1.setVisible(false);

jPanel4.setVisible(false);

jLabel26.setBackground(new Color(0,153,153));

jLabel25.setBackground(new Color(0,153,153,150));

jLabel24.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel26MouseClicked

private void jLabel24MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel24MouseClicked

jPanel4.setVisible(true);

jPanel3.setVisible(false);

jPanel1.setVisible(false);

jLabel24.setBackground(new Color(0,153,153));

jLabel25.setBackground(new Color(0,153,153,150));

jLabel26.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel24MouseClicked

private void std\_idKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_std\_idKeyReleased

try {

String sql="select Name,Father\_Name,Email from Student\_details where Student\_id="+std\_id.getText()+"";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

std\_name.setText(rs.getString("Name"));

std\_fname.setText(rs.getString("Father\_Name"));

std\_email.setText(rs.getString("Email"));

}

} catch (Exception e) {

}

}//GEN-LAST:event\_std\_idKeyReleased

private void bk\_isbnKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_bk\_isbnKeyReleased

try {

String sql="select Title,availability from Books where ISBN="+bk\_isbn.getText()+"";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

bk\_tl.setText(rs.getString("Title"));

available=rs.getString("availability");

}else{

bk\_tl.setText(null);

}

} catch (Exception e) {

}

}//GEN-LAST:event\_bk\_isbnKeyReleased

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

String dateFrom=((JTextField)jDateChooser1.getDateEditor().getUiComponent()).getText();

String dateTo=((JTextField)jDateChooser2.getDateEditor().getUiComponent()).getText();

getTime();

try {

String sql="insert into Borrow\_Detail(Student\_ID,Book\_ISBN,Date\_From,Date\_To,Issue\_time,Issued\_by,Status) values("+std\_id.getText()+","+bk\_isbn.getText()+",'"+dateFrom+"','"+dateTo+"','"+time+"',"+id+",'Issued')";

if(available.equals("yes")){

System.out.println(sql);

pst=con.prepareStatement(sql);

pst.execute();

Borrow\_details();

JOptionPane.showMessageDialog(null, "Book Issued!");

}else{

JOptionPane.showMessageDialog(null, "This Book is not Available!");

}

} catch (Exception e) {

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jLabel32MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel32MouseClicked

if(role.equals("student")){

StudentHome sh=new StudentHome(id, role);

sh.setVisible(true);

this.dispose();

}else if(role.equals("librarian")){

librarianHome lh=new librarianHome(id, role);

lh.setVisible(true);

this.dispose();

}

}//GEN-LAST:event\_jLabel32MouseClicked

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel7MouseClicked

// TODO add your handling code here:

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel7MouseClicked

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

System.exit(0);

}//GEN-LAST:event\_jButton4ActionPerformed

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel2MouseClicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel2MouseClicked

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

getTime();

try {

String sql="update borrow\_detail set Status='Returned',Actual\_Return\_Date='"+Date+"',Return\_time='"+time+"'where id="+returnId+"";

pst=con.prepareStatement(sql);

pst.execute();

JOptionPane.showMessageDialog(null, "Book Successfully Returned");

getIssuedList();

} catch (Exception e) {

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void re\_std\_idKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_re\_std\_idKeyReleased

getIssuedList();

}//GEN-LAST:event\_re\_std\_idKeyReleased

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

int row = jTable2.getSelectedRow();

returnId=jTable2.getModel().getValueAt(row, 0).toString();

re\_bk\_title.setText(jTable2.getModel().getValueAt(row, 1).toString());

re\_std\_name.setText(jTable2.getModel().getValueAt(row, 2).toString());

SimpleDateFormat sdf=new SimpleDateFormat("yyyy-MM-dd");

Date date=new Date();

Date=sdf.format(date);

re\_date.setText(Date);

}//GEN-LAST:event\_jTable2MouseClicked

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new BorrowBook().setVisible(true);

}

});

}

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

private javax.swing.JTextField bk\_isbn;

private javax.swing.JTextField bk\_tl;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private com.toedter.calendar.JDateChooser jDateChooser1;

private com.toedter.calendar.JDateChooser jDateChooser2;

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 jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel20;

private javax.swing.JLabel jLabel21;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel25;

private javax.swing.JLabel jLabel26;

private javax.swing.JLabel jLabel27;

private javax.swing.JLabel jLabel28;

private javax.swing.JLabel jLabel29;

private javax.swing.JLabel jLabel30;

private javax.swing.JLabel jLabel31;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel10;

private javax.swing.JPanel jPanel11;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JPanel jPanel6;

private javax.swing.JPanel jPanel7;

private javax.swing.JPanel jPanel8;

private javax.swing.JPanel jPanel9;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JLabel re\_bk\_title;

private javax.swing.JLabel re\_date;

private javax.swing.JTextField re\_std\_id;

private javax.swing.JLabel re\_std\_name;

private javax.swing.JTextField std\_email;

private javax.swing.JTextField std\_fname;

private javax.swing.JTextField std\_id;

private javax.swing.JTextField std\_name;

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

}

<--------------------------BorrowBook(END)------------------------------->

<-----------------------ChangePassword(START)------------------------>

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author Sagar

\*/

public class changePassword extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

/\*\*

\* Creates new form changePassword

\*/

public changePassword() {

initComponents();

con=dbConnectivity.Connect();

jComboBox1.setBackground(Color.white);

}

/\*\*

\* 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();

jPanel4 = new javax.swing.JPanel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

cng\_user = new javax.swing.JTextField();

cng\_pass = new javax.swing.JPasswordField();

jButton2 = new javax.swing.JButton();

jLabel14 = new javax.swing.JLabel();

cng\_pass\_re = new javax.swing.JPasswordField();

jButton3 = new javax.swing.JButton();

jComboBox1 = new javax.swing.JComboBox<>();

jLabel6 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel36 = new javax.swing.JLabel();

jButton6 = new javax.swing.JButton();

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

setUndecorated(true);

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

jPanel1.setBackground(java.awt.Color.white);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel4.setBackground(java.awt.Color.white);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel11.setText("User ID:");

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel12.setText("New Password:");

cng\_user.addKeyListener(new java.awt.event.KeyAdapter() {

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

cng\_userKeyReleased(evt);

}

});

cng\_pass.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

cng\_passFocusLost(evt);

}

});

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jButton2.setText("Change");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel14.setText("Re-Enter Password:");

jButton3.setBackground(new java.awt.Color(0, 153, 153));

jButton3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton3.setForeground(new java.awt.Color(255, 255, 255));

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/login (2).png"))); // NOI18N

jButton3.setText("Login");

jButton3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton3ActionPerformed(evt);

}

});

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "admin", "student", "librarian" }));

jComboBox1.setOpaque(false);

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(373, Short.MAX\_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(300, 300, 300))

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(197, 197, 197)

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

.addComponent(jLabel11)

.addComponent(jLabel12)

.addComponent(jLabel14))

.addGap(27, 27, 27)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(cng\_user)

.addComponent(cng\_pass, javax.swing.GroupLayout.DEFAULT\_SIZE, 176, Short.MAX\_VALUE)

.addComponent(cng\_pass\_re, javax.swing.GroupLayout.DEFAULT\_SIZE, 176, Short.MAX\_VALUE)

.addComponent(jComboBox1, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

);

jPanel4Layout.setVerticalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(43, 43, 43)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addGap(18, 18, 18)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel12))

.addGap(21, 21, 21)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel14)

.addComponent(cng\_pass\_re, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(40, Short.MAX\_VALUE))

);

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/password (1).png"))); // NOI18N

jLabel6.setText("Change Password");

jLabel6.setOpaque(true);

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(611, 100, 199, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jLabel36.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel36.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel36.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel36MouseClicked(evt);

}

});

jButton6.setBackground(new java.awt.Color(0, 153, 153));

jButton6.setForeground(java.awt.Color.white);

jButton6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton6.setContentAreaFilled(false);

jButton6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jButton6.addActionListener(new java.awt.event.ActionListener() {

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

jButton6ActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(32, 32, 32)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 85, Short.MAX\_VALUE)

.addComponent(jLabel36)

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

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel36, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 830, 510));

pack();

setLocationRelativeTo(null);

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

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

String Role = jComboBox1.getSelectedItem().toString();

try {

if(Role.equals("admin") || Role.equals("librarian")){

String sql="update librarian\_Details set Password='"+cng\_pass.getText()+"' where ID='"+cng\_user.getText()+"' and role='"+Role+"'";

if(!cng\_pass.getText().equalsIgnoreCase("") && !cng\_pass\_re.getText().equalsIgnoreCase("")){

if(cng\_pass.getText().equals(cng\_pass\_re.getText())){

pst=con.prepareStatement(sql);

pst.execute();

JOptionPane.showMessageDialog(null,"Password Changed!");

}else{

JOptionPane.showMessageDialog(null, "Both Password Fields Should Match");

}

}else{

JOptionPane.showMessageDialog(null, "Fields Cannot be Empty");

}

}else{

JOptionPane.showMessageDialog(null, "ID Not Found");

}

if(Role.equals("student")){

String sql="update Student\_Details set Password='"+cng\_pass.getText()+"' where Student\_ID='"+cng\_user.getText()+"'";

if(!cng\_pass.getText().equalsIgnoreCase("") && !cng\_pass\_re.getText().equalsIgnoreCase("")){

if(cng\_pass.getText().equals(cng\_pass\_re.getText())){

pst=con.prepareStatement(sql);

pst.execute();

JOptionPane.showMessageDialog(null,"Password Changed!");

}else{

JOptionPane.showMessageDialog(null, "Both Password Fields Should Match");

}

}else{

JOptionPane.showMessageDialog(null, "Fields Cannot be Empty");

}

}else{

JOptionPane.showMessageDialog(null, "ID Not Found");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(null, "Invalid ID");

}

}//GEN-LAST:event\_jButton2ActionPerformed

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

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jButton3ActionPerformed

private void cng\_passFocusLost(java.awt.event.FocusEvent evt) {//GEN-FIRST:event\_cng\_passFocusLost

}//GEN-LAST:event\_cng\_passFocusLost

private void cng\_userKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_cng\_userKeyReleased

// TODO add your handling code here:

}//GEN-LAST:event\_cng\_userKeyReleased

private void jLabel36MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel36MouseClicked

//Opens AboutUs Form When Clicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel36MouseClicked

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton6ActionPerformed

//Exits all The Forms That Are Open When Clicked

System.exit(0);

}//GEN-LAST:event\_jButton6ActionPerformed

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new changePassword().setVisible(true);

}

});

}

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

private javax.swing.JPasswordField cng\_pass;

private javax.swing.JPasswordField cng\_pass\_re;

private javax.swing.JTextField cng\_user;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton6;

private javax.swing.JComboBox<String> jComboBox1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel36;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel4;

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

}

<-----------------------ChangePassword(END)--------------------------->

<--------------------------StudentRequest(START)----------------------->

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

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 javax.swing.JOptionPane;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author Sagar

\*/

public class studentRequest extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

String id=null;

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String Date=null;

String Available=null;

String BookISBN="1";

String role=null;

/\*\*

\* Creates new form studentRequest

\*/

public studentRequest() {

initComponents();

con=dbConnectivity.Connect();

myRequest();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel5.setBackground(new Color(0,153,153,150));

jTable1.setSelectionBackground(new Color(0,153,153));

jTable1.setSelectionForeground(Color.white);

getDate();

}

studentRequest(String id, String role) {

initComponents();

this.id=id;

this.role=role;

con=dbConnectivity.Connect();

myRequest();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel5.setBackground(new Color(0,153,153,150));

getDate();

}

public void getDate(){

Date date=new Date();

SimpleDateFormat dat=new SimpleDateFormat("yyyy/MM/dd");

Date=dat.format(date);

}

public void myRequest(){

try {

String sql="select Student\_id,bookISBN,Date,Status from Request where Student\_Id="+id+"";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

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

} catch (SQLException ex) {

}

}

/\*\*

\* 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();

jPanel3 = new javax.swing.JPanel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

bk\_id = new javax.swing.JTextField();

bk\_tl = new javax.swing.JTextField();

bk\_auth = new javax.swing.JTextField();

jButton2 = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel6 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jButton4 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

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

setUndecorated(true);

jPanel1.setBackground(java.awt.Color.white);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(java.awt.Color.white);

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel7.setText("Book Id:");

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel8.setText("Book Title:");

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 13)); // NOI18N

jLabel9.setText("Book Author:");

bk\_id.addKeyListener(new java.awt.event.KeyAdapter() {

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

bk\_idKeyReleased(evt);

}

});

jButton2.setBackground(new java.awt.Color(0, 153, 153));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/button.png"))); // NOI18N

jButton2.setText("Request");

jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton2ActionPerformed(evt);

}

});

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(235, 235, 235)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 133, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel9)

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

.addComponent(bk\_auth, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addComponent(jLabel8)

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

.addComponent(bk\_tl, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addComponent(jLabel7)

.addGap(57, 57, 57)

.addComponent(bk\_id, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(307, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(63, 63, 63)

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

.addComponent(jLabel7)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel8)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel9)

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

.addGap(32, 32, 32)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(77, Short.MAX\_VALUE))

);

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jPanel4.setBackground(java.awt.Color.white);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

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

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane1.setViewportView(jTable1);

jPanel4.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 770, 300));

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 140, 790, 320));

jLabel6.setBackground(new java.awt.Color(0, 153, 152));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/add.png"))); // NOI18N

jLabel6.setText("ADD REQUEST");

jLabel6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel6.setOpaque(true);

jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel6MouseClicked(evt);

}

});

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 110, 380, 30));

jLabel5.setBackground(new java.awt.Color(0, 153, 153));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/request.png"))); // NOI18N

jLabel5.setText("MY REQUESTS");

jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setOpaque(true);

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

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

jLabel5MouseClicked(evt);

}

});

jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 110, 400, 30));

jLabel32.setBackground(new java.awt.Color(0, 153, 153));

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel32.setForeground(new java.awt.Color(255, 255, 255));

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel32.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/home (2).png"))); // NOI18N

jLabel32.setText("HOME");

jLabel32.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel32.setOpaque(true);

jLabel32.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel32MouseClicked(evt);

}

});

jPanel1.add(jLabel32, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 470, 140, 40));

jLabel10.setBackground(new java.awt.Color(0, 153, 153));

jLabel10.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel10.setForeground(new java.awt.Color(255, 255, 255));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout (1).png"))); // NOI18N

jLabel10.setText("Logout");

jLabel10.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel10.setOpaque(true);

jLabel10.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel10MouseClicked(evt);

}

});

jPanel1.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(700, 470, 140, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jButton4.setBackground(new java.awt.Color(0, 153, 153));

jButton4.setForeground(java.awt.Color.white);

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton4.setContentAreaFilled(false);

jButton4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton4ActionPerformed(evt);

}

});

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel2MouseClicked(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(31, 31, 31)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 90, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 525, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

pack();

setLocationRelativeTo(null);

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

private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel6MouseClicked

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel5.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel6MouseClicked

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

jPanel4.setVisible(true);

jPanel3.setVisible(false);

jLabel5.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel5MouseClicked

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

try{

int count=0;

String BKID = bk\_id.getText();

String Bookid = bk\_id.getText();

/\*-------------------Comparing Book id from textField to database---------------------\*/

String sql2="select BookISBN from Request where Student\_ID="+id+" and visible=1";

pst=con.prepareStatement(sql2);

rs=pst.executeQuery();

while(rs.next()){//Gets the Bookisbn from Request Where his/her Requests are active or pending

int id=rs.getInt("BookISBN");

BookISBN=Integer.toString(id);

if(BookISBN.equals(Bookid)){

break;

}

}

/\*--------------------------------------------------------------------\*/

String sql1="select Student\_ID from Request where Student\_ID="+id+" and visible=1";

String sql="insert into Request (BookISBN,Student\_ID,date,Status,visible) values("+bk\_id.getText()+","+id+",'"+Date+"','active',1)";

pst=con.prepareStatement(sql1);

rs=pst.executeQuery();

while(rs.next()){

//getting the Request count so that The Student Cannot Make more Than Three Request

count+=1;

}

if(count<3){//Limits The Request to 3

if(!BookISBN.equals(BKID)){//Restricts user from making the same Book Request

if(Available.equals("yes")){//if Book is Available

pst=con.prepareStatement(sql);

pst.execute();

myRequest();

JOptionPane.showMessageDialog(null,"Request Sent!");

}else{

JOptionPane.showMessageDialog(null,"This Book not available!");

}}else{

JOptionPane.showMessageDialog(null,"You Have Already Requested The Same Book!");

}

}else{

JOptionPane.showMessageDialog(null,"You Can not Request More Than 3!");

}

}

catch (Exception ex) {

System.out.println(ex);

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jLabel32MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel32MouseClicked

//Opens StudentHome JFrame

StudentHome main=new StudentHome(id,role);

main.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel32MouseClicked

private void jLabel10MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel10MouseClicked

//Opens Login JFrame

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel10MouseClicked

private void bk\_idKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_bk\_idKeyReleased

try {

String sql="select Title,AutherName,Availability from Books where ISBN="+bk\_id.getText()+" and enable=1";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

if(rs.next()){

bk\_tl.setText(rs.getString("Title"));

bk\_auth.setText(rs.getString("AutherName"));

Available=rs.getString("Availability");

}

} catch (Exception e) {

}

}//GEN-LAST:event\_bk\_idKeyReleased

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

System.exit(0);

}//GEN-LAST:event\_jButton4ActionPerformed

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel2MouseClicked

aboutUs au=new aboutUs();

au.setVisible(true);

}//GEN-LAST:event\_jLabel2MouseClicked

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new studentRequest().setVisible(true);

}

});

}

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

private javax.swing.JTextField bk\_auth;

private javax.swing.JTextField bk\_id;

private javax.swing.JTextField bk\_tl;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

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

}

<--------------------------StudentRequest(END)------------------------->

<--------------------------TransactionHistory(START)------------------->

/\*

\* 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 librarymanagementsystem2;

import java.awt.Color;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.swing.JOptionPane;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author Sagar

\*/

public class transactionHistory extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

Connection con=null;

PreparedStatement pst=null;

ResultSet rs=null;

String id=null;

String role=null;

String Date=null;

/\*\*

\* Creates new form transactionHistory

\*/

public transactionHistory(){

initComponents();

con=dbConnectivity.Connect();

transactionHistory();

requestHistory();

jTable1.setSelectionBackground(new Color(0,153,153));

jTable1.setSelectionForeground(Color.white);

jTable2.setSelectionBackground(new Color(0,153,153));

jTable2.setSelectionForeground(Color.white);

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

getDateANDnotify();

}

transactionHistory(String id){

initComponents();

this.id=id;

con=dbConnectivity.Connect();

transactionHistory();

requestHistory();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

getDateANDnotify();

}

transactionHistory(String id, String role) {

initComponents();

this.id=id;

this.role=role;

con=dbConnectivity.Connect();

transactionHistory();

requestHistory();

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

getDateANDnotify();

}

public void requestHistory(){

try {

String sql="SELECT dbo.Request.id, dbo.student\_details.Name AS StudentName, dbo.Books.Title AS Book, dbo.Request.date, dbo.Request.Status\n" +

"FROM dbo.Books INNER JOIN\n" +

" dbo.Request ON dbo.Books.ISBN = dbo.Request.BookISBN INNER JOIN\n" +

" dbo.student\_details ON dbo.Request.Student\_Id = dbo.student\_details.Student\_id";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

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

} catch (Exception e) {

}

}

public void transactionHistory(){

try {

String sql="SELECT dbo.borrow\_detail.id, dbo.student\_details.Name AS StudentName, dbo.Books.Title AS Book, dbo.borrow\_detail.Date\_from, dbo.borrow\_detail.Date\_to, dbo.borrow\_detail.Issue\_time, dbo.borrow\_detail.Return\_time, \n" +

" dbo.borrow\_detail.Actual\_Return\_Date AS ReturnDate, dbo.librarian\_details.UserName AS IssuedBy, dbo.borrow\_detail.Status\n" +

"FROM dbo.Books INNER JOIN\n" +

" dbo.borrow\_detail ON dbo.Books.ISBN = dbo.borrow\_detail.Book\_ISBN INNER JOIN\n" +

" dbo.librarian\_details ON dbo.borrow\_detail.Issued\_by = dbo.librarian\_details.id INNER JOIN\n" +

" dbo.student\_details ON dbo.borrow\_detail.Student\_id = dbo.student\_details.Student\_id";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

jTable2.setModel(DbUtils.resultSetToTableModel(rs));

} catch (Exception e) {

}

}

public void getDateANDnotify(){

SimpleDateFormat sdf=new SimpleDateFormat("yyyy/MM/dd");

Date date=new Date();

Date= sdf.format(date);

int count=0;

try {

String sql="select Date\_To from Borrow\_detail where Status='Issued'";

pst=con.prepareStatement(sql);

rs=pst.executeQuery();

while(rs.next()){

count+=1;

}

if(count>0){

JOptionPane.showMessageDialog(null, count+" "+"Books Have Not Been Returned");

}

} catch (Exception 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();

jPanel3 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jPanel4 = new javax.swing.JPanel();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jLabel7 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jLabel19 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jButton3 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

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

setUndecorated(true);

jPanel1.setBackground(java.awt.Color.white);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 7));

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(new java.awt.Color(254, 245, 244));

jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jScrollPane1.setBackground(java.awt.Color.white);

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

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jTable1.setGridColor(new java.awt.Color(0, 153, 153));

jScrollPane1.setViewportView(jTable1);

jPanel3.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 750, 290));

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 140, 770, 310));

jPanel4.setBackground(new java.awt.Color(254, 245, 244));

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 153, 153), 5));

jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane2.setViewportView(jTable2);

jPanel4.add(jScrollPane2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 750, 290));

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 140, 770, 310));

jLabel7.setBackground(new java.awt.Color(0, 153, 153));

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/request.png"))); // NOI18N

jLabel7.setText("Requests History");

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setOpaque(true);

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel7MouseClicked(evt);

}

});

jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 110, 360, 30));

jLabel6.setBackground(new java.awt.Color(0, 153, 153));

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

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

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

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/request.png"))); // NOI18N

jLabel6.setText("Transaction History");

jLabel6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel6.setOpaque(true);

jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel6MouseClicked(evt);

}

});

jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 110, 390, 30));

jLabel32.setBackground(new java.awt.Color(0, 153, 153));

jLabel32.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel32.setForeground(new java.awt.Color(255, 255, 255));

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel32.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/home (2).png"))); // NOI18N

jLabel32.setText("HOME");

jLabel32.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel32.setOpaque(true);

jLabel32.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel32MouseClicked(evt);

}

});

jPanel1.add(jLabel32, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 460, 130, 40));

jLabel19.setBackground(new java.awt.Color(0, 153, 153));

jLabel19.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel19.setForeground(new java.awt.Color(255, 255, 255));

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel19.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout (1).png"))); // NOI18N

jLabel19.setText("Logout");

jLabel19.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel19.setOpaque(true);

jLabel19.addMouseListener(new java.awt.event.MouseAdapter() {

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

jLabel19MouseClicked(evt);

}

});

jPanel1.add(jLabel19, new org.netbeans.lib.awtextra.AbsoluteConstraints(700, 460, 130, 40));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Black", 0, 36)); // NOI18N

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

jLabel1.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/Logo.png"))); // NOI18N

jButton3.setBackground(new java.awt.Color(0, 153, 153));

jButton3.setForeground(java.awt.Color.white);

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton3.setContentAreaFilled(false);

jButton3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jButton3ActionPerformed(evt);

}

});

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/about-24.png"))); // NOI18N

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(64, 64, 64)

.addComponent(jLabel4)

.addGap(31, 31, 31)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 96, Short.MAX\_VALUE)

.addComponent(jLabel2)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(13, 13, 13)

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

.addComponent(jLabel4)

.addComponent(jLabel1))

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

);

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(4, 4, 830, 80));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 515, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

pack();

setLocationRelativeTo(null);

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

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel7MouseClicked

jPanel3.setVisible(true);

jPanel4.setVisible(false);

jLabel7.setBackground(new Color(0,153,153));

jLabel6.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel7MouseClicked

private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel6MouseClicked

jPanel4.setVisible(true);

jPanel3.setVisible(false);

jLabel6.setBackground(new Color(0,153,153));

jLabel7.setBackground(new Color(0,153,153,150));

}//GEN-LAST:event\_jLabel6MouseClicked

private void jLabel32MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel32MouseClicked

if(role.equals("librarian")){

librarianHome lh=new librarianHome(id, role);

lh.setVisible(true);

this.dispose();

}else if(role.equals("admin")){

MainMenu main=new MainMenu(id,role);

main.setVisible(true);

this.dispose();

}

}//GEN-LAST:event\_jLabel32MouseClicked

private void jLabel19MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jLabel19MouseClicked

// TODO add your handling code here:

Login log=new Login();

log.setVisible(true);

this.dispose();

}//GEN-LAST:event\_jLabel19MouseClicked

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

System.exit(0);

}//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(transactionHistory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new transactionHistory().setVisible(true);

}

});

}

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

private javax.swing.JButton jButton3;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

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

}

<--------------------------TransactionHistory(END)--------------------->

<--------------------------AboutUs(START)------------------------------->

/\*

\* 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 librarymanagementsystem2;

/\*\*

\*

\* @author Sagar

\*/

public class aboutUs extends javax.swing.JFrame {

//Please Check Comments In Books Class For The Same Code That is Used In Every Class

/\*\*

\* Creates new form aboutUs

\*/

public aboutUs() {

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() {

jPanel2 = new javax.swing.JPanel();

jLabel21 = new javax.swing.JLabel();

jLabel22 = new javax.swing.JLabel();

jLabel23 = new javax.swing.JLabel();

jLabel24 = new javax.swing.JLabel();

jLabel25 = new javax.swing.JLabel();

jLabel26 = new javax.swing.JLabel();

jLabel27 = new javax.swing.JLabel();

jLabel28 = new javax.swing.JLabel();

jLabel29 = new javax.swing.JLabel();

jButton5 = new javax.swing.JButton();

jLabel31 = new javax.swing.JLabel();

jLabel30 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

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

setUndecorated(true);

setPreferredSize(new java.awt.Dimension(520, 303));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));

jPanel2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

jLabel21.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N

jLabel21.setForeground(java.awt.Color.white);

jLabel21.setText("Library Management System 1.0");

jLabel22.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel22.setForeground(java.awt.Color.white);

jLabel22.setText("Project By:");

jLabel23.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel23.setForeground(java.awt.Color.white);

jLabel23.setText("Design by :");

jLabel24.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel24.setForeground(java.awt.Color.white);

jLabel24.setText("Vallery Jennifer");

jLabel25.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel25.setForeground(java.awt.Color.white);

jLabel25.setText("Coded by :");

jLabel26.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel26.setForeground(java.awt.Color.white);

jLabel26.setText("Sagar Raisee");

jLabel27.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel27.setForeground(java.awt.Color.white);

jLabel27.setText("With The Guidence of:");

jLabel28.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel28.setForeground(java.awt.Color.white);

jLabel28.setText("Mr.Razi Abro (Faculty)");

jLabel29.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N

jLabel29.setForeground(java.awt.Color.white);

jLabel29.setText("Special Thanks to :");

jButton5.setBackground(new java.awt.Color(0, 153, 153));

jButton5.setForeground(java.awt.Color.white);

jButton5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/cancel.png"))); // NOI18N

jButton5.setContentAreaFilled(false);

jButton5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jButton5.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

jLabel30.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logo\_small.png"))); // NOI18N

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/AptechLogo1.png"))); // NOI18N

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(30, 30, 30)

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

.addComponent(jLabel23)

.addComponent(jLabel25)

.addComponent(jLabel27))

.addGap(29, 29, 29)

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

.addComponent(jLabel26)

.addComponent(jLabel24)

.addComponent(jLabel28))

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap(27, Short.MAX\_VALUE)

.addComponent(jLabel30, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel21)

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

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap())

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(193, 193, 193)

.addComponent(jLabel22)

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

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

.addComponent(jLabel29)

.addGap(18, 18, 18)

.addComponent(jLabel1)

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

.addComponent(jLabel31)

.addGap(21, 21, 21))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addComponent(jLabel21))

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton5)))

.addGap(18, 18, 18)

.addComponent(jLabel22)

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

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

.addComponent(jLabel23)

.addComponent(jLabel24))

.addGap(9, 9, 9)

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

.addComponent(jLabel25)

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addComponent(jLabel30)))

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

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

.addComponent(jLabel27)

.addComponent(jLabel28, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(44, 44, 44)

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

.addComponent(jLabel31, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jLabel29, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1)))

.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)

.addGap(0, 512, Short.MAX\_VALUE)

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGap(0, 304, Short.MAX\_VALUE)

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

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

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

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

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(aboutUs.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new aboutUs().setVisible(true);

}

});

}

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

private javax.swing.JButton jButton5;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel21;

private javax.swing.JLabel jLabel22;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel25;

private javax.swing.JLabel jLabel26;

private javax.swing.JLabel jLabel27;

private javax.swing.JLabel jLabel28;

private javax.swing.JLabel jLabel29;

private javax.swing.JLabel jLabel30;

private javax.swing.JLabel jLabel31;

private javax.swing.JPanel jPanel2;

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

}

<-------------------------AboutUs(END)------------------------------->

<-----------------------DbConnectivity(START)-------------------------->

/\*

\* 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 librarymanagementsystem2;

import java.io.File;

import java.io.FileNotFoundException;

import java.sql.\*;

import java.util.Scanner;

import java.util.logging.Level;

import java.util.logging.Logger;

/\*\*

\*

\* @author Sagar

\*/

public class dbConnectivity {

static Connection con;

/\*\*

\* @return

\* @throws java.io.FileNotFoundException

\*/

public static Connection Connect(){

String server=null;

String userName=null;

String password=null;

String database=null;

String port=null;

File file=new File("dbConnect.txt");

try {//Retrieves The values From Text File And Add Them To these Variables

Scanner scan = new Scanner(file);

server=scan.nextLine();

database=scan.nextLine();

userName=scan.nextLine();

password=scan.nextLine();

port=scan.nextLine();

} catch (FileNotFoundException ex) {

Logger.getLogger(dbConnectivity.class.getName()).log(Level.SEVERE, null, ex);

}

try {

//Driver Url

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

//Database Connection Url

String url="jdbc:sqlserver://"+server+":"+port+";database="+database+";";

con=DriverManager.getConnection(url, "sa","sa9");

System.out.println("Connected");

} catch (ClassNotFoundException | SQLException e) {

System.out.println(e);

}

return con;

}

}

<--------------------------DbConnectivity(END)--------------------------->