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# **Login**

/\*

\* To change this license header, choose License Headers in Project Properties.

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

\* and open the template in the editor.

\*/

package forms;

import utils.User;

import utils.databaseConnection;

import utils.Query;

import java.awt.HeadlessException;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import javax.swing.JOptionPane;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class Login extends javax.swing.JFrame {

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

public User user;

public Query qr;

/\*\*

\* Creates new form Login

\*/

Connection conn = null;

Statement stmt = null;

ResultSet rs = null;

public Login() {

super("Login");

initComponents();

conn = databaseConnection.connection();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

btnLogIn = new javax.swing.JButton();

btnExit = new javax.swing.JButton();

txtEmail = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txtPassword = new javax.swing.JPasswordField();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

jLabel3 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DO\_NOTHING\_ON\_CLOSE);

setResizable(false);

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

btnLogIn.setBackground(new java.awt.Color(134, 122, 206));

btnLogIn.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnLogIn.setText("LogIn");

btnLogIn.setBorder(null);

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

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

btnLogInActionPerformed(evt);

}

});

btnExit.setBackground(new java.awt.Color(51, 50, 56));

btnExit.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnExit.setText("Exit");

btnExit.setBorder(null);

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

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

btnExitActionPerformed(evt);

}

});

txtEmail.setForeground(new java.awt.Color(51, 50, 56));

txtEmail.setBorder(null);

jLabel1.setBackground(new java.awt.Color(222, 245, 155));

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel1.setForeground(new java.awt.Color(51, 50, 56));

jLabel1.setText("Email");

jLabel2.setBackground(new java.awt.Color(222, 245, 155));

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setForeground(new java.awt.Color(51, 50, 56));

jLabel2.setText("Password");

txtPassword.setForeground(new java.awt.Color(51, 50, 56));

txtPassword.setBorder(null);

jSeparator1.setBackground(new java.awt.Color(89, 106, 132));

jSeparator2.setBackground(new java.awt.Color(89, 106, 132));

jLabel3.setFont(new java.awt.Font("Sitka Banner", 0, 48)); // NOI18N

jLabel3.setForeground(new java.awt.Color(51, 50, 56));

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel3.setText("Sign in");

jLabel3.setToolTipText("");

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(38, Short.MAX\_VALUE)

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

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 96, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 48, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 256, Short.MAX\_VALUE)

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

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

.addComponent(jSeparator1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 251, Short.MAX\_VALUE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(btnLogIn, javax.swing.GroupLayout.PREFERRED\_SIZE, 128, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addGap(32, 32, 32))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(56, 56, 56)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 207, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

jPanel1Layout.setVerticalGroup(

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

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

.addContainerGap(49, Short.MAX\_VALUE)

.addComponent(jLabel3)

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

.addComponent(jLabel1)

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

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

.addGap(4, 4, 4)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel2)

.addGap(4, 4, 4)

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

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

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(27, 27, 27)

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

.addComponent(btnLogIn, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnExit, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(52, 52, 52))

);

jPanel2.setBackground(new java.awt.Color(134, 122, 206));

jLabel4.setFont(new java.awt.Font("Sitka Banner", 0, 36)); // NOI18N

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

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Hello, Admin!");

jLabel4.setToolTipText("");

jLabel5.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel5.setText("Be careful with operations,");

jLabel5.setToolTipText("");

jLabel6.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel6.setText("and have a nice day!");

jLabel6.setToolTipText("");

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap(42, Short.MAX\_VALUE)

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

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, 207, Short.MAX\_VALUE)

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

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

.addGap(39, 39, 39))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(132, 132, 132)

.addComponent(jLabel4)

.addGap(31, 31, 31)

.addComponent(jLabel5)

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

.addComponent(jLabel6)

.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)

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

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

);

layout.setVerticalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

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

System.exit(0);

}

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

user = new User.UserBuilder()

.email(txtEmail.getText())

.password(txtPassword.getText()).build();

System.out.println(user.getEmail());

System.out.println(user.getPassword());

qr = new Query(user);

try{

Catch\_Err();

if(qr.SQL\_Login()){

setVisible(false);

Home home\_window = new Home();

home\_window.setVisible(true);

}else{

throw new IllegalArgumentException("Password or Email incorrect\n");

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//Email

try {

IValidation emailValidator = ValidatorsFactory.make(ValidationType.EMAIL\_VALIDATOR);

emailValidator.Validate(txtEmail.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Password

try {

IValidation pwdValidator = ValidatorsFactory.make(ValidationType.PASSWORD\_VALIDATOR);

pwdValidator.Validate(txtPassword.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new Login().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnExit;

private javax.swing.JButton btnLogIn;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JTextField txtEmail;

private javax.swing.JPasswordField txtPassword;

// End of variables declaration

}

# **Home**

/\*

\* 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 forms;

import java.util.ArrayList;

import utils.CurrentUser;

/\*\*

\*

\* @author roman

\*/

public class Home extends javax.swing.JFrame {

//ErrList

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form Home

\*/

public Home() {

initComponents();

if(!err.isMainHere()){

System.out.println("Need to hide");

btnAddAdmin.setEnabled(false);

btnAdminOperation.setEnabled(false);

}

StringBuilder sb = new StringBuilder(CurrentUser.getInstance().getStatus());

sb.setCharAt(0, Character.toUpperCase(sb.charAt(0)));

CurrentUser.getInstance().setStatus(sb.toString());

lbName.setText(CurrentUser.getInstance().getName());

lbStatus.setText(CurrentUser.getInstance().getStatus());

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

btnAddStudent = new javax.swing.JButton();

btnStudentOperation = new javax.swing.JButton();

btnStudentList = new javax.swing.JButton();

btnAddAdmin = new javax.swing.JButton();

btnAdminOperation = new javax.swing.JButton();

btnAdminList = new javax.swing.JButton();

jSeparator3 = new javax.swing.JSeparator();

lbName1 = new javax.swing.JLabel();

jSeparator4 = new javax.swing.JSeparator();

lbName2 = new javax.swing.JLabel();

jSeparator5 = new javax.swing.JSeparator();

lbName3 = new javax.swing.JLabel();

jSeparator6 = new javax.swing.JSeparator();

lbName4 = new javax.swing.JLabel();

jSeparator7 = new javax.swing.JSeparator();

lbName5 = new javax.swing.JLabel();

jSeparator8 = new javax.swing.JSeparator();

lbName6 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel8 = new javax.swing.JLabel();

lbName = new javax.swing.JLabel();

lbStatus = new javax.swing.JLabel();

btnEdit = new javax.swing.JButton();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

lbStatus1 = new javax.swing.JLabel();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout = new javax.swing.JMenuItem();

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

setResizable(false);

jPanel1.setBackground(new java.awt.Color(134, 122, 206));

btnAddStudent.setBackground(null);

btnAddStudent.setForeground(new java.awt.Color(36, 42, 55));

btnAddStudent.setIcon(new javax.swing.ImageIcon(getClass().getResource("/ic\_group\_add\_24px.png"))); // NOI18N

btnAddStudent.setBorder(null);

btnAddStudent.setBorderPainted(false);

btnAddStudent.setFocusPainted(false);

btnAddStudent.setFocusable(false);

btnAddStudent.setMaximumSize(new java.awt.Dimension(40, 40));

btnAddStudent.setMinimumSize(new java.awt.Dimension(40, 40));

btnAddStudent.setPreferredSize(new java.awt.Dimension(40, 40));

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

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

btnAddStudentActionPerformed(evt);

}

});

btnStudentOperation.setBackground(null);

btnStudentOperation.setIcon(new javax.swing.ImageIcon(getClass().getResource("/ic\_low\_priority\_24px.png"))); // NOI18N

btnStudentOperation.setBorder(null);

btnStudentOperation.setBorderPainted(false);

btnStudentOperation.setFocusPainted(false);

btnStudentOperation.setFocusable(false);

btnStudentOperation.setMaximumSize(new java.awt.Dimension(40, 40));

btnStudentOperation.setMinimumSize(new java.awt.Dimension(40, 40));

btnStudentOperation.setPreferredSize(new java.awt.Dimension(40, 40));

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

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

btnStudentOperationActionPerformed(evt);

}

});

btnStudentList.setBackground(null);

btnStudentList.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Group 2.png"))); // NOI18N

btnStudentList.setBorder(null);

btnStudentList.setBorderPainted(false);

btnStudentList.setFocusPainted(false);

btnStudentList.setFocusable(false);

btnStudentList.setMaximumSize(new java.awt.Dimension(40, 40));

btnStudentList.setMinimumSize(new java.awt.Dimension(40, 40));

btnStudentList.setPreferredSize(new java.awt.Dimension(40, 40));

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

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

btnStudentListActionPerformed(evt);

}

});

btnAddAdmin.setBackground(null);

btnAddAdmin.setForeground(new java.awt.Color(36, 42, 55));

btnAddAdmin.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Group 6.png"))); // NOI18N

btnAddAdmin.setBorder(null);

btnAddAdmin.setBorderPainted(false);

btnAddAdmin.setFocusPainted(false);

btnAddAdmin.setFocusable(false);

btnAddAdmin.setMaximumSize(new java.awt.Dimension(40, 40));

btnAddAdmin.setMinimumSize(new java.awt.Dimension(40, 40));

btnAddAdmin.setPreferredSize(new java.awt.Dimension(40, 40));

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

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

btnAddAdminActionPerformed(evt);

}

});

btnAdminOperation.setBackground(null);

btnAdminOperation.setIcon(new javax.swing.ImageIcon(getClass().getResource("/ic\_low\_priority\_24px.png"))); // NOI18N

btnAdminOperation.setBorder(null);

btnAdminOperation.setBorderPainted(false);

btnAdminOperation.setFocusPainted(false);

btnAdminOperation.setFocusable(false);

btnAdminOperation.setMaximumSize(new java.awt.Dimension(40, 40));

btnAdminOperation.setMinimumSize(new java.awt.Dimension(40, 40));

btnAdminOperation.setPreferredSize(new java.awt.Dimension(40, 40));

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

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

btnAdminOperationActionPerformed(evt);

}

});

btnAdminList.setBackground(null);

btnAdminList.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Group 3.png"))); // NOI18N

btnAdminList.setBorder(null);

btnAdminList.setBorderPainted(false);

btnAdminList.setFocusPainted(false);

btnAdminList.setFocusable(false);

btnAdminList.setMaximumSize(new java.awt.Dimension(40, 40));

btnAdminList.setMinimumSize(new java.awt.Dimension(40, 40));

btnAdminList.setPreferredSize(new java.awt.Dimension(40, 40));

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

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

btnAdminListActionPerformed(evt);

}

});

lbName1.setFont(new java.awt.Font("Sitka Text", 0, 20)); // NOI18N

lbName1.setForeground(new java.awt.Color(255, 255, 255));

lbName1.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbName1.setText("Add new student");

lbName1.addMouseListener(new java.awt.event.MouseAdapter() {

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

execute\_button(evt);

}

});

lbName2.setFont(new java.awt.Font("Sitka Text", 0, 20)); // NOI18N

lbName2.setForeground(new java.awt.Color(255, 255, 255));

lbName2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbName2.setText("Update\\remove student data");

lbName3.setFont(new java.awt.Font("Sitka Text", 0, 20)); // NOI18N

lbName3.setForeground(new java.awt.Color(255, 255, 255));

lbName3.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbName3.setText("Student List");

lbName4.setFont(new java.awt.Font("Sitka Text", 0, 20)); // NOI18N

lbName4.setForeground(new java.awt.Color(255, 255, 255));

lbName4.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbName4.setText("Add new Admin");

lbName5.setFont(new java.awt.Font("Sitka Text", 0, 20)); // NOI18N

lbName5.setForeground(new java.awt.Color(255, 255, 255));

lbName5.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbName5.setText("Update Admin Data");

lbName6.setFont(new java.awt.Font("Sitka Text", 0, 20)); // NOI18N

lbName6.setForeground(new java.awt.Color(255, 255, 255));

lbName6.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbName6.setText("Admin list");

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(40, 40, 40)

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

.addComponent(btnAddAdmin, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnAdminList, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnStudentList, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnStudentOperation, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnAddStudent, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnAdminOperation, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

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

.addComponent(jSeparator3)

.addComponent(lbName1, javax.swing.GroupLayout.DEFAULT\_SIZE, 278, Short.MAX\_VALUE))

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

.addComponent(jSeparator4)

.addComponent(lbName2, javax.swing.GroupLayout.PREFERRED\_SIZE, 278, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jSeparator5)

.addComponent(lbName3, javax.swing.GroupLayout.PREFERRED\_SIZE, 278, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jSeparator6)

.addComponent(lbName4, javax.swing.GroupLayout.PREFERRED\_SIZE, 278, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jSeparator7)

.addComponent(lbName5, javax.swing.GroupLayout.PREFERRED\_SIZE, 278, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jSeparator8)

.addComponent(lbName6, javax.swing.GroupLayout.PREFERRED\_SIZE, 278, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(42, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

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

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

.addGap(26, 26, 26)

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(btnAddStudent, javax.swing.GroupLayout.DEFAULT\_SIZE, 50, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbName1)

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

.addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addComponent(btnStudentOperation, javax.swing.GroupLayout.DEFAULT\_SIZE, 50, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbName2)

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

.addComponent(jSeparator4, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addComponent(btnStudentList, javax.swing.GroupLayout.DEFAULT\_SIZE, 50, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbName3)

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

.addComponent(jSeparator5, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(29, 29, 29)

.addComponent(btnAddAdmin, javax.swing.GroupLayout.DEFAULT\_SIZE, 50, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbName4)

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

.addComponent(jSeparator6, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(11, 11, 11)

.addComponent(btnAdminOperation, javax.swing.GroupLayout.DEFAULT\_SIZE, 50, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbName5)

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

.addComponent(jSeparator7, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(27, 27, 27)

.addComponent(lbName6)

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

.addComponent(jSeparator8, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

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

.addContainerGap(30, Short.MAX\_VALUE))

);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

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

jLabel8.setIcon(new javax.swing.ImageIcon(getClass().getResource("/ic\_account\_circle\_24px.png"))); // NOI18N

lbName.setFont(new java.awt.Font("Sitka Text", 0, 18)); // NOI18N

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

lbName.setText("Name");

lbStatus.setFont(new java.awt.Font("Sitka Text", 0, 18)); // NOI18N

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

lbStatus.setText("Status");

btnEdit.setBackground(new java.awt.Color(134, 122, 206));

btnEdit.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnEdit.setText("Edit Password");

btnEdit.setFocusPainted(false);

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

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

btnEditActionPerformed(evt);

}

});

jSeparator1.setBackground(new java.awt.Color(89, 106, 132));

jSeparator2.setBackground(new java.awt.Color(89, 106, 132));

lbStatus1.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

lbStatus1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lbStatus1.setText("Admin Type:");

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap(25, Short.MAX\_VALUE)

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

.addComponent(jSeparator1, javax.swing.GroupLayout.Alignment.TRAILING)

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

.addComponent(jSeparator2, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(btnEdit, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 147, Short.MAX\_VALUE)

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

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lbStatus1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(19, 19, 19))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(jLabel8)

.addGap(42, 42, 42)

.addComponent(lbName)

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(lbStatus1)

.addGap(5, 5, 5)

.addComponent(lbStatus)

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

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(37, 37, 37)

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

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

);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout.setText("About");

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

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

menuItemAboutActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

);

layout.setVerticalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

setSize(new java.awt.Dimension(659, 479));

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

setVisible(false);

addStudent add\_form = new addStudent();

add\_form.setVisible(true);

}

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

if(!err.isMainHere()){

err.Print\_Errors();

}else{

setVisible(false);

addAdmin add\_form = new addAdmin();

add\_form.setVisible(true);

}

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

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

setVisible(false);

showStudents list\_form = new showStudents();

list\_form.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

Student\_Operations studOperations\_form = new Student\_Operations();

studOperations\_form.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

Admin\_Operations operations = new Admin\_Operations();

operations.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

showAdmins list\_form = new showAdmins();

list\_form.setVisible(true);

}

private void execute\_button(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

}

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

Edit\_Password edit\_form = new Edit\_Password();

edit\_form.setVisible(true);

}

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

About about\_form = new About();

about\_form.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Home.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 Home().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnAddAdmin;

private javax.swing.JButton btnAddStudent;

private javax.swing.JButton btnAdminList;

private javax.swing.JButton btnAdminOperation;

private javax.swing.JButton btnEdit;

private javax.swing.JButton btnStudentList;

private javax.swing.JButton btnStudentOperation;

private javax.swing.JLabel jLabel8;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JSeparator jSeparator3;

private javax.swing.JSeparator jSeparator4;

private javax.swing.JSeparator jSeparator5;

private javax.swing.JSeparator jSeparator6;

private javax.swing.JSeparator jSeparator7;

private javax.swing.JSeparator jSeparator8;

private javax.swing.JLabel lbName;

private javax.swing.JLabel lbName1;

private javax.swing.JLabel lbName2;

private javax.swing.JLabel lbName3;

private javax.swing.JLabel lbName4;

private javax.swing.JLabel lbName5;

private javax.swing.JLabel lbName6;

private javax.swing.JLabel lbStatus;

private javax.swing.JLabel lbStatus1;

private javax.swing.JMenuItem menuItemAbout;

// End of variables declaration

}

# **addAdmin**

/\*

\* 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 forms;

import utils.User;

import utils.Query;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.ArrayList;

import javax.swing.JOptionPane;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class addAdmin extends javax.swing.JFrame {

User user;

Query qry;

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form addStudent

\*/

public addAdmin() {

super("Add Student");

initComponents();

if(!err.isMainHere()){

btnSubmit.setEnabled(false);

}

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

txtName = new javax.swing.JTextField();

txtLocalEmail = new javax.swing.JTextField();

txtPassword = new javax.swing.JTextField();

btnSubmit = new javax.swing.JButton();

btnBack = new javax.swing.JButton();

adminStatus = new javax.swing.JComboBox();

jLabel3 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jSeparator5 = new javax.swing.JSeparator();

jSeparator6 = new javax.swing.JSeparator();

jSeparator7 = new javax.swing.JSeparator();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout = new javax.swing.JMenuItem();

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

setResizable(false);

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

jLabel1.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel2.setText("Local Email");

jLabel6.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel6.setText("Password");

txtName.setBorder(null);

txtLocalEmail.setBorder(null);

txtPassword.setBorder(null);

btnSubmit.setBackground(new java.awt.Color(51, 51, 255));

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

btnSubmit.setText("Submit");

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

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

btnSubmitActionPerformed(evt);

}

});

btnBack.setBackground(new java.awt.Color(51, 50, 56));

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

adminStatus.setMaximumRowCount(3);

adminStatus.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Common", "Counter", "Main" }));

adminStatus.setBorder(null);

jLabel3.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel3.setText("Admin Status");

jPanel2.setBackground(new java.awt.Color(51, 51, 255));

jLabel4.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

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

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Add new Admin");

jLabel4.setToolTipText("");

jLabel7.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel7.setText("Fill the form");

jLabel7.setToolTipText("");

jLabel8.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel8.setText("All field are required");

jLabel8.setToolTipText("");

jLabel9.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel9.setText("Also set Admin Type");

jLabel9.setToolTipText("");

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, 207, Short.MAX\_VALUE)

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

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(126, 126, 126)

.addComponent(jLabel4)

.addGap(18, 18, 18)

.addComponent(jLabel7)

.addGap(18, 18, 18)

.addComponent(jLabel8)

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

.addComponent(jLabel9)

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

);

jSeparator5.setBackground(new java.awt.Color(51, 51, 255));

jSeparator5.setForeground(new java.awt.Color(51, 51, 255));

jSeparator6.setBackground(new java.awt.Color(51, 51, 255));

jSeparator6.setForeground(new java.awt.Color(51, 51, 255));

jSeparator7.setBackground(new java.awt.Color(51, 51, 255));

jSeparator7.setForeground(new java.awt.Color(51, 51, 255));

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 30, Short.MAX\_VALUE)

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

.addComponent(jLabel3)

.addComponent(txtLocalEmail, javax.swing.GroupLayout.DEFAULT\_SIZE, 166, Short.MAX\_VALUE)

.addComponent(txtName, javax.swing.GroupLayout.DEFAULT\_SIZE, 166, Short.MAX\_VALUE)

.addComponent(jLabel6)

.addComponent(jLabel2)

.addComponent(jLabel1)

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

.addComponent(btnSubmit)

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 66, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(txtPassword, javax.swing.GroupLayout.DEFAULT\_SIZE, 166, Short.MAX\_VALUE)

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

.addComponent(jSeparator5)

.addComponent(jSeparator6)

.addComponent(jSeparator7, javax.swing.GroupLayout.Alignment.TRAILING))

.addGap(31, 31, 31))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(19, 19, 19)

.addComponent(jLabel1)

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

.addComponent(txtName, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator7, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel2)

.addGap(3, 3, 3)

.addComponent(txtLocalEmail, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator6, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel6)

.addGap(2, 2, 2)

.addComponent(txtPassword, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(8, 8, 8)

.addComponent(jSeparator5, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel3)

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

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

.addGap(27, 27, 27)

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

.addComponent(btnSubmit, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(39, 39, 39))

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jMenuBar1.setBorder(null);

jMenu1.setBackground(new java.awt.Color(255, 255, 255));

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout.setText("About");

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

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

menuItemAboutActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

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

);

setSize(new java.awt.Dimension(470, 453));

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

try{

Catch\_Err();

//Setter

user = new User.UserBuilder()

.name(txtName.getText())

.email(txtLocalEmail.getText())

.password(txtPassword.getText())

.status((String) adminStatus.getSelectedItem())

.build();

qry = new Query(user);

qry.setDb\_name("admin");

if(!err.Exist\_Email(txtLocalEmail,qry.getDb\_name())){

err.Print\_Errors();

}else{

//execute\_insert

if(qry.Insert\_Admin()){

JOptionPane.showMessageDialog(null, "All Fields required");

}else{

qry.update\_query(qry.GetSQL\_Statement());

JOptionPane.showMessageDialog(null, "User Added");

}

}

Clear\_Fields();

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

About about\_form = new About();

about\_form.setVisible(true);

}

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//Name

try {

IValidation nameValidation = ValidatorsFactory.make(ValidationType.NAME\_VALIDATOR);

nameValidation.Validate(txtName.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Email

try {

IValidation emailValidation = ValidatorsFactory.make(ValidationType.EMAIL\_VALIDATOR);

emailValidation.Validate(txtLocalEmail.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Password

try {

IValidation pwdValidator = ValidatorsFactory.make(ValidationType.PASSWORD\_VALIDATOR);

pwdValidator.Validate(txtPassword.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

private void Clear\_Fields(){

//Clear fields

txtName.setText("");

txtPassword.setText("");

txtLocalEmail.setText("");

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new addAdmin().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JComboBox adminStatus;

private javax.swing.JButton btnBack;

private javax.swing.JButton btnSubmit;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JSeparator jSeparator5;

private javax.swing.JSeparator jSeparator6;

private javax.swing.JSeparator jSeparator7;

private javax.swing.JMenuItem menuItemAbout;

private javax.swing.JTextField txtLocalEmail;

private javax.swing.JTextField txtName;

private javax.swing.JTextField txtPassword;

// End of variables declaration

}

# **addStudent**

/\*

\* 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 forms;

import utils.User;

import utils.Query;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.ArrayList;

import javax.swing.JOptionPane;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class addStudent extends javax.swing.JFrame {

User user;

Query qry;

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form addStudent

\*/

public addStudent() {

super("Add Student");

initComponents();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jSeparator4 = new javax.swing.JSeparator();

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

txtName = new javax.swing.JTextField();

txtLocalEmail = new javax.swing.JTextField();

txtCity = new javax.swing.JTextField();

txtPhone = new javax.swing.JTextField();

txtClass = new javax.swing.JTextField();

btnSubmit = new javax.swing.JButton();

btnBack = new javax.swing.JButton();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

jSeparator3 = new javax.swing.JSeparator();

jSeparator5 = new javax.swing.JSeparator();

jSeparator7 = new javax.swing.JSeparator();

jPanel2 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout2 = new javax.swing.JMenuItem();

jSeparator4.setBackground(new java.awt.Color(255, 131, 26));

jSeparator4.setForeground(new java.awt.Color(255, 131, 26));

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

setResizable(false);

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

jLabel1.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel2.setText("Local Email");

jLabel3.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel3.setText("City");

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

jLabel5.setText("Phone");

jLabel6.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel6.setText("Class");

txtName.setForeground(new java.awt.Color(51, 50, 56));

txtName.setBorder(null);

txtLocalEmail.setForeground(new java.awt.Color(51, 50, 56));

txtLocalEmail.setBorder(null);

txtCity.setForeground(new java.awt.Color(51, 50, 56));

txtCity.setBorder(null);

txtPhone.setForeground(new java.awt.Color(51, 50, 56));

txtPhone.setBorder(null);

txtClass.setForeground(new java.awt.Color(51, 50, 56));

txtClass.setBorder(null);

btnSubmit.setBackground(new java.awt.Color(255, 131, 26));

btnSubmit.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnSubmit.setText("Submit");

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

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

btnSubmitActionPerformed(evt);

}

});

btnBack.setBackground(new java.awt.Color(51, 50, 56));

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

jSeparator1.setBackground(new java.awt.Color(255, 131, 26));

jSeparator1.setForeground(new java.awt.Color(255, 131, 26));

jSeparator2.setBackground(new java.awt.Color(255, 131, 26));

jSeparator2.setForeground(new java.awt.Color(255, 131, 26));

jSeparator3.setBackground(new java.awt.Color(255, 131, 26));

jSeparator3.setForeground(new java.awt.Color(255, 131, 26));

jSeparator5.setBackground(new java.awt.Color(255, 131, 26));

jSeparator5.setForeground(new java.awt.Color(255, 131, 26));

jSeparator7.setBackground(new java.awt.Color(255, 131, 26));

jSeparator7.setForeground(new java.awt.Color(255, 131, 26));

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(28, 28, 28)

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

.addComponent(txtPhone)

.addComponent(txtCity)

.addComponent(txtLocalEmail)

.addComponent(txtName)

.addComponent(jLabel6)

.addComponent(jLabel2)

.addComponent(jLabel1)

.addComponent(jLabel3)

.addComponent(jLabel5)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(btnSubmit)

.addGap(18, 18, 18)

.addComponent(btnBack, javax.swing.GroupLayout.DEFAULT\_SIZE, 83, Short.MAX\_VALUE))

.addComponent(txtClass)

.addComponent(jSeparator1)

.addComponent(jSeparator2)

.addComponent(jSeparator3)

.addComponent(jSeparator5)

.addComponent(jSeparator7))

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

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(19, 19, 19)

.addComponent(jLabel1)

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

.addComponent(txtName, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator7, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(1, 1, 1)

.addComponent(jLabel2)

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

.addComponent(txtLocalEmail, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(2, 2, 2)

.addComponent(jSeparator5, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel3)

.addGap(1, 1, 1)

.addComponent(txtCity, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(2, 2, 2)

.addComponent(jLabel5)

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

.addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(1, 1, 1)

.addComponent(jLabel6)

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

.addComponent(txtClass, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(2, 2, 2)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(28, 28, 28))

);

jPanel2.setBackground(new java.awt.Color(255, 131, 26));

jLabel4.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

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

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Add new Student");

jLabel4.setToolTipText("");

jLabel7.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel7.setText("Fill the form");

jLabel7.setToolTipText("");

jLabel8.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel8.setText("All field are required");

jLabel8.setToolTipText("");

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, 207, Short.MAX\_VALUE)

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

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(126, 126, 126)

.addComponent(jLabel4)

.addGap(18, 18, 18)

.addComponent(jLabel7)

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

.addComponent(jLabel8)

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

);

jMenuBar1.setBackground(new java.awt.Color(255, 255, 255));

jMenuBar1.setBorder(null);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout2.setText("About");

menuItemAbout2.addActionListener(new java.awt.event.ActionListener() {

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

menuItemAbout2ActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout2);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

);

layout.setVerticalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

setSize(new java.awt.Dimension(489, 475));

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

try{

Catch\_Err();

//Setter

user = new User.UserBuilder()

.name(txtName.getText())

.phone(txtPhone.getText())

.city(txtCity.getText())

.clas(txtClass.getText())

.email(txtLocalEmail.getText())

.build();

qry = new Query(user);

qry.setDb\_name("student");

if(!err.Exist\_Email(txtLocalEmail,qry.getDb\_name())){

err.Print\_Errors();

}else{

if(qry.Insert\_Student()){

JOptionPane.showMessageDialog(null, "All Fields required");

}else{

qry.update\_query(qry.GetSQL\_Statement());

JOptionPane.showMessageDialog(null, "User was added");

}

}

//Clear fields

Clear\_Fields();

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

private void menuItemAbout2ActionPerformed(java.awt.event.ActionEvent evt) {

About about\_form = new About();

about\_form.setVisible(true);

}

//Catch Err

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//Name

try {

IValidation nameValidation = ValidatorsFactory.make(ValidationType.NAME\_VALIDATOR);

nameValidation.Validate(txtName.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Email

try {

IValidation emailValidation = ValidatorsFactory.make(ValidationType.EMAIL\_VALIDATOR);

emailValidation.Validate(txtLocalEmail.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Phone

try {

IValidation phoneValidation = ValidatorsFactory.make(ValidationType.PHONE\_VALIDATOR);

phoneValidation.Validate(txtPhone.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//City

try {

IValidation cityValidation = ValidatorsFactory.make(ValidationType.CITY\_VALIDATOR);

cityValidation.Validate(txtCity.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Class

try {

IValidation classValidation= ValidatorsFactory.make(ValidationType.CLASS\_VALIDATOR);

classValidation.Validate(txtClass.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

private void Clear\_Fields(){

//Clear fields

txtName.setText("");

txtPhone.setText("");

txtCity.setText("");

txtClass.setText("");

txtLocalEmail.setText("");

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(addStudent.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 addStudent().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

private javax.swing.JButton btnSubmit;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JSeparator jSeparator3;

private javax.swing.JSeparator jSeparator4;

private javax.swing.JSeparator jSeparator5;

private javax.swing.JSeparator jSeparator7;

private javax.swing.JMenuItem menuItemAbout2;

private javax.swing.JTextField txtCity;

private javax.swing.JTextField txtClass;

private javax.swing.JTextField txtLocalEmail;

private javax.swing.JTextField txtName;

private javax.swing.JTextField txtPhone;

// End of variables declaration

}

# **Student\_Operations**

/\*

\* 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 forms;

import utils.Query;

import utils.Next\_Statement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.ComboBoxModel;

import javax.swing.DefaultComboBoxModel;

import javax.swing.JComboBox;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

import javax.swing.DefaultListModel;

import utils.User;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class Student\_Operations extends javax.swing.JFrame {

private Query qry = new Query();

private Next\_Statement nxt = new Next\_Statement();

private DefaultListModel dm = new DefaultListModel();

//ErrList

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form Student

\*/

public Student\_Operations() {

super("Student");

initComponents();

// idList.setEnabled(false);

qry.setDb\_name("student");

SetList();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

labelID = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

txtName = new javax.swing.JTextField();

txtLocalEmail = new javax.swing.JTextField();

txtCity = new javax.swing.JTextField();

txtID = new javax.swing.JTextField();

txtClass = new javax.swing.JTextField();

btnUpdate = new javax.swing.JButton();

btnDelete = new javax.swing.JButton();

txtPhone = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

btnClear = new javax.swing.JButton();

jSeparator5 = new javax.swing.JSeparator();

jSeparator6 = new javax.swing.JSeparator();

jSeparator7 = new javax.swing.JSeparator();

jSeparator8 = new javax.swing.JSeparator();

jSeparator9 = new javax.swing.JSeparator();

jSeparator10 = new javax.swing.JSeparator();

jPanel13 = new javax.swing.JPanel();

jLabel50 = new javax.swing.JLabel();

jLabel51 = new javax.swing.JLabel();

jLabel52 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

idList = new javax.swing.JList<String>();

jLabel53 = new javax.swing.JLabel();

btnSearch = new javax.swing.JButton();

btnBack = new javax.swing.JButton();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout = new javax.swing.JMenuItem();

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

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

setResizable(false);

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

jLabel1.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel2.setText("Local Email");

jLabel3.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel3.setText("City");

labelID.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

labelID.setText("Id");

jLabel6.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel6.setText("Class");

txtName.setBorder(null);

txtLocalEmail.setBorder(null);

txtCity.setBorder(null);

txtID.setBorder(null);

txtClass.setBorder(null);

btnUpdate.setBackground(new java.awt.Color(255, 131, 26));

btnUpdate.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnUpdate.setText("Update");

btnUpdate.setBorder(null);

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

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

btnUpdateActionPerformed(evt);

}

});

btnDelete.setBackground(new java.awt.Color(255, 131, 26));

btnDelete.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnDelete.setText("Delete");

btnDelete.setBorder(null);

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

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

btnDeleteActionPerformed(evt);

}

});

txtPhone.setBorder(null);

jLabel4.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel4.setText("Phone");

btnClear.setBackground(new java.awt.Color(51, 50, 56));

btnClear.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnClear.setText("Clear");

btnClear.setBorder(null);

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

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

btnClearActionPerformed(evt);

}

});

jSeparator5.setBackground(new java.awt.Color(255, 131, 26));

jSeparator5.setForeground(new java.awt.Color(255, 131, 26));

jSeparator6.setBackground(new java.awt.Color(255, 131, 26));

jSeparator6.setForeground(new java.awt.Color(255, 131, 26));

jSeparator7.setBackground(new java.awt.Color(255, 131, 26));

jSeparator7.setForeground(new java.awt.Color(255, 131, 26));

jSeparator8.setBackground(new java.awt.Color(255, 131, 26));

jSeparator8.setForeground(new java.awt.Color(255, 131, 26));

jSeparator9.setBackground(new java.awt.Color(255, 131, 26));

jSeparator9.setForeground(new java.awt.Color(255, 131, 26));

jSeparator10.setBackground(new java.awt.Color(255, 131, 26));

jSeparator10.setForeground(new java.awt.Color(255, 131, 26));

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(35, 35, 35)

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

.addComponent(jSeparator6)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(btnUpdate, javax.swing.GroupLayout.PREFERRED\_SIZE, 69, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnDelete, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnClear, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jSeparator10)

.addComponent(txtClass)

.addComponent(jSeparator9)

.addComponent(txtPhone)

.addComponent(txtName)

.addComponent(jSeparator8)

.addComponent(jSeparator7)

.addComponent(txtCity)

.addComponent(jLabel4)

.addComponent(jLabel1)

.addComponent(jLabel6)

.addComponent(jLabel2)

.addComponent(jLabel3)

.addComponent(labelID)

.addComponent(txtLocalEmail)

.addComponent(jSeparator5)

.addComponent(txtID))

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

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(12, 12, 12)

.addComponent(labelID)

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

.addComponent(txtID, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(1, 1, 1)

.addComponent(jSeparator5, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel2)

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

.addComponent(txtLocalEmail, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator6, javax.swing.GroupLayout.PREFERRED\_SIZE, 2, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel3)

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

.addComponent(txtCity, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(2, 2, 2)

.addComponent(jSeparator7, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel1)

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

.addComponent(txtName, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(1, 1, 1)

.addComponent(jSeparator8, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel4)

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

.addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(2, 2, 2)

.addComponent(jSeparator9, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(4, 4, 4)

.addComponent(jLabel6)

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

.addComponent(txtClass, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(2, 2, 2)

.addComponent(jSeparator10, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(btnUpdate, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnDelete, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnClear, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

);

jPanel13.setBackground(new java.awt.Color(255, 131, 26));

jLabel50.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

jLabel50.setForeground(new java.awt.Color(255, 255, 255));

jLabel50.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel50.setText("Student Operations");

jLabel50.setToolTipText("");

jLabel51.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel51.setForeground(new java.awt.Color(255, 255, 255));

jLabel51.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel51.setText("1.Firstly, find student");

jLabel51.setToolTipText("");

jLabel52.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel52.setForeground(new java.awt.Color(255, 255, 255));

jLabel52.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel52.setText("2.Enter the ID");

jLabel52.setToolTipText("");

jLabel9.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel9.setText("3.Execute Operations");

jLabel9.setToolTipText("");

javax.swing.GroupLayout jPanel13Layout = new javax.swing.GroupLayout(jPanel13);

jPanel13.setLayout(jPanel13Layout);

jPanel13Layout.setHorizontalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel13Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel50, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel51, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel52, 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))

.addContainerGap())

);

jPanel13Layout.setVerticalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel13Layout.createSequentialGroup()

.addGap(150, 150, 150)

.addComponent(jLabel50)

.addGap(18, 18, 18)

.addComponent(jLabel51)

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

.addComponent(jLabel52)

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

.addComponent(jLabel9)

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

);

jPanel2.setBackground(new java.awt.Color(255, 131, 26));

idList.setBackground(new java.awt.Color(255, 131, 26));

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

idList.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

idList.setFocusable(false);

idList.setSelectionBackground(new java.awt.Color(255, 131, 26));

jScrollPane1.setViewportView(idList);

jLabel53.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel53.setForeground(new java.awt.Color(255, 255, 255));

jLabel53.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel53.setText("Avilable IDs");

jLabel53.setToolTipText("");

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

btnSearch.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

btnSearch.setForeground(new java.awt.Color(51, 50, 56));

btnSearch.setText("Search");

btnSearch.setBorder(null);

btnSearch.setFocusPainted(false);

btnSearch.setFocusable(false);

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

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

btnSearchActionPerformed(evt);

}

});

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

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

btnBack.setForeground(new java.awt.Color(51, 50, 56));

btnBack.setText("Back");

btnBack.setBorder(null);

btnBack.setFocusPainted(false);

btnBack.setFocusable(false);

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

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

btnBackActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 115, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jLabel53, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

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

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

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

.addComponent(jLabel53)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 319, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnSearch, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(4, 4, 4)

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jMenuBar1.setBorder(null);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout.setText("About");

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

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

menuItemAboutActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addComponent(jPanel13, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

layout.setVerticalGroup(

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

.addComponent(jPanel13, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

//ID

try {

IValidation nameValidator = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

nameValidator.Validate(txtID.getText());

if (qry.GetById(txtID.getText())) {

txtName.setText(qry.user.getName());

txtCity.setText(qry.user.getCity());

txtLocalEmail.setText(qry.user.getEmail());

txtClass.setText(qry.user.getClas());

txtPhone.setText(qry.user.getPhone());

} else {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

// SetList();

}

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

try{

Catch\_Err();

//Setter

nxt.setId(txtID.getText());

nxt.setName(txtName.getText());

nxt.setPhone(txtPhone.getText());

nxt.setClas(txtClass.getText());

nxt.setEmail(txtLocalEmail.getText());

nxt.setCity(txtCity.getText());

if (qry.GetById(txtID.getText())) {

//execute\_insert

if (qry.SetSQL\_Update(nxt)) {

qry.update\_query(qry.GetSQL\_Statement());

Clear\_Fields();

JOptionPane.showMessageDialog(null, "Data sucessfully updated");

} else {

txtID.setText(qry.user.getId());

JOptionPane.showMessageDialog(null, "You can`t change the ID");

}

}else {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

SetList();

}

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

//ID

try {

IValidation idValidator = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

idValidator.Validate(txtID.getText());

if (qry.GetById(txtID.getText())) {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with ID:"+qry.user.getId()+" deleted");

qry.update\_query(qry.SQL\_Delete\_Student());

}else {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

SetList();

}

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

// TODO add your handling code here:

Clear\_Fields();

}

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

About about\_form = new About();

about\_form.setVisible(true);

}

///Window Methods

private void Clear\_Fields() {

//Clear fields

txtName.setText("");

txtID.setText("");

txtCity.setText("");

txtClass.setText("");

txtPhone.setText("");

txtLocalEmail.setText("");

}

//Catch Err

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//ID

try {

IValidation idValidation = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

idValidation.Validate(txtID.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Name

try {

IValidation nameValidation = ValidatorsFactory.make(ValidationType.NAME\_VALIDATOR);

nameValidation.Validate(txtName.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Email

try {

IValidation emailValidation = ValidatorsFactory.make(ValidationType.EMAIL\_VALIDATOR);

emailValidation.Validate(txtLocalEmail.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Phone

try {

IValidation phoneValidation = ValidatorsFactory.make(ValidationType.PHONE\_VALIDATOR);

phoneValidation.Validate(txtPhone.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//City

try {

IValidation cityValidation = ValidatorsFactory.make(ValidationType.CITY\_VALIDATOR);

cityValidation.Validate(txtCity.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Class

try {

IValidation classValidation= ValidatorsFactory.make(ValidationType.CLASS\_VALIDATOR);

classValidation.Validate(txtClass.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

private void SetList(){

dm.removeAllElements();

for(int i =0; i < qry.Select\_All\_ID().size();++i){

dm.addElement(qry.Select\_All\_ID().get(i));

}

idList.setModel(dm);

}

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Student\_Operations().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

private javax.swing.JButton btnClear;

private javax.swing.JButton btnDelete;

private javax.swing.JButton btnSearch;

private javax.swing.JButton btnUpdate;

private javax.swing.JList<String> idList;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel50;

private javax.swing.JLabel jLabel51;

private javax.swing.JLabel jLabel52;

private javax.swing.JLabel jLabel53;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel9;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel13;

private javax.swing.JPanel jPanel2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JSeparator jSeparator10;

private javax.swing.JSeparator jSeparator5;

private javax.swing.JSeparator jSeparator6;

private javax.swing.JSeparator jSeparator7;

private javax.swing.JSeparator jSeparator8;

private javax.swing.JSeparator jSeparator9;

private javax.swing.JLabel labelID;

private javax.swing.JMenuItem menuItemAbout;

private javax.swing.JTextField txtCity;

private javax.swing.JTextField txtClass;

private javax.swing.JTextField txtID;

private javax.swing.JTextField txtLocalEmail;

private javax.swing.JTextField txtName;

private javax.swing.JTextField txtPhone;

// End of variables declaration

}

# **Admin\_Operations**

/\*

\* 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 forms;

import utils.Query;

import utils.Next\_Statement;

import utils.CurrentUser;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.ComboBoxModel;

import javax.swing.DefaultComboBoxModel;

import javax.swing.JComboBox;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

import javax.swing.DefaultListModel;

import utils.User;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class Admin\_Operations extends javax.swing.JFrame {

private Query qry = new Query();

private Next\_Statement nxt = new Next\_Statement();

//Print List of users

private DefaultListModel dm = new DefaultListModel();

//ErrList

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form Student

\*/

public Admin\_Operations() {

super("Student");

initComponents();

qry.setDb\_name("admin");

PrintList();

// idList.setEnabled(false);

if(!err.isMainHere()){

System.out.println("Need to hide");

btnUpdate.setEnabled(false);

btnDelete.setEnabled(false);

}

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

labelID = new javax.swing.JLabel();

txtName = new javax.swing.JTextField();

txtLocalEmail = new javax.swing.JTextField();

txtID = new javax.swing.JTextField();

btnUpdate = new javax.swing.JButton();

btnDelete = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

adminStatus = new javax.swing.JComboBox();

btnClear = new javax.swing.JButton();

jSeparator7 = new javax.swing.JSeparator();

jSeparator8 = new javax.swing.JSeparator();

jSeparator9 = new javax.swing.JSeparator();

jPanel2 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel51 = new javax.swing.JLabel();

jLabel52 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

idList = new javax.swing.JList<String>();

btnSearch = new javax.swing.JButton();

btnBack = new javax.swing.JButton();

jLabel53 = new javax.swing.JLabel();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout = new javax.swing.JMenuItem();

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

setResizable(false);

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

jLabel1.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel2.setText("Local Email");

labelID.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

labelID.setText("Id");

txtName.setForeground(new java.awt.Color(51, 50, 56));

txtName.setBorder(null);

txtLocalEmail.setForeground(new java.awt.Color(51, 50, 56));

txtLocalEmail.setBorder(null);

txtID.setForeground(new java.awt.Color(51, 50, 56));

txtID.setBorder(null);

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

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

txtIDActionPerformed(evt);

}

});

btnUpdate.setBackground(new java.awt.Color(51, 51, 255));

btnUpdate.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnUpdate.setText("Update");

btnUpdate.setBorder(null);

btnUpdate.setFocusPainted(false);

btnUpdate.setFocusable(false);

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

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

btnUpdateActionPerformed(evt);

}

});

btnDelete.setBackground(new java.awt.Color(51, 51, 255));

btnDelete.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnDelete.setText("Delete");

btnDelete.setBorder(null);

btnDelete.setFocusPainted(false);

btnDelete.setFocusable(false);

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

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

btnDeleteActionPerformed(evt);

}

});

jLabel3.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

jLabel3.setText("Admin Status");

adminStatus.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

adminStatus.setForeground(new java.awt.Color(51, 50, 56));

adminStatus.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Common", "Counter", "Main" }));

adminStatus.setBorder(null);

btnClear.setBackground(new java.awt.Color(51, 50, 56));

btnClear.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnClear.setText("Clear");

btnClear.setBorder(null);

btnClear.setFocusPainted(false);

btnClear.setFocusable(false);

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

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

btnClearActionPerformed(evt);

}

});

jSeparator7.setBackground(new java.awt.Color(51, 51, 255));

jSeparator7.setForeground(new java.awt.Color(51, 51, 255));

jSeparator8.setBackground(new java.awt.Color(51, 51, 255));

jSeparator8.setForeground(new java.awt.Color(51, 51, 255));

jSeparator9.setBackground(new java.awt.Color(51, 51, 255));

jSeparator9.setForeground(new java.awt.Color(51, 51, 255));

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(30, 30, 30)

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(adminStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 240, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(btnUpdate, javax.swing.GroupLayout.PREFERRED\_SIZE, 77, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnDelete, javax.swing.GroupLayout.PREFERRED\_SIZE, 82, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnClear, javax.swing.GroupLayout.PREFERRED\_SIZE, 64, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(0, 32, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(labelID)

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

.addComponent(jSeparator7, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 240, Short.MAX\_VALUE)

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

.addComponent(jSeparator8, javax.swing.GroupLayout.Alignment.LEADING)

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

.addComponent(jSeparator9, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel3, javax.swing.GroupLayout.Alignment.LEADING)

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

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

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(41, 41, 41)

.addComponent(labelID)

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

.addComponent(txtID, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator9, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel1)

.addGap(1, 1, 1)

.addComponent(txtName, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator8, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel2)

.addGap(3, 3, 3)

.addComponent(txtLocalEmail, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator7, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel3)

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

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

.addGap(18, 18, 18)

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

.addComponent(btnClear, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnDelete, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnUpdate, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(107, 107, 107))

);

jPanel2.setBackground(new java.awt.Color(51, 51, 255));

jLabel4.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

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

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Admin Operations");

jLabel4.setToolTipText("");

jLabel9.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

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

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

jLabel9.setText("3.Execute Operations");

jLabel9.setToolTipText("");

jLabel51.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel51.setForeground(new java.awt.Color(255, 255, 255));

jLabel51.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel51.setText("1.Firstly, find student");

jLabel51.setToolTipText("");

jLabel52.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel52.setForeground(new java.awt.Color(255, 255, 255));

jLabel52.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel52.setText("2.Enter the ID");

jLabel52.setToolTipText("");

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, 234, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jLabel51, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jLabel52, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(119, 119, 119)

.addComponent(jLabel4)

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

.addComponent(jLabel51)

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

.addComponent(jLabel52)

.addGap(7, 7, 7)

.addComponent(jLabel9)

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

);

jPanel3.setBackground(new java.awt.Color(51, 51, 255));

idList.setBackground(new java.awt.Color(51, 51, 255));

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

idList.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

idList.setDebugGraphicsOptions(javax.swing.DebugGraphics.NONE\_OPTION);

idList.setFocusable(false);

jScrollPane1.setViewportView(idList);

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

btnSearch.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

btnSearch.setForeground(new java.awt.Color(51, 50, 56));

btnSearch.setText("Search");

btnSearch.setBorder(null);

btnSearch.setFocusPainted(false);

btnSearch.setFocusable(false);

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

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

btnSearchActionPerformed(evt);

}

});

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

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

btnBack.setForeground(new java.awt.Color(51, 50, 56));

btnBack.setText("Back");

btnBack.setBorder(null);

btnBack.setFocusPainted(false);

btnBack.setFocusable(false);

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

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

btnBackActionPerformed(evt);

}

});

jLabel53.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel53.setForeground(new java.awt.Color(255, 255, 255));

jLabel53.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel53.setText("Avilable IDs");

jLabel53.setToolTipText("");

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.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(jPanel3Layout.createSequentialGroup()

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

.addComponent(btnSearch, javax.swing.GroupLayout.DEFAULT\_SIZE, 92, Short.MAX\_VALUE)

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

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

.addComponent(jLabel53, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addComponent(jLabel53)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 245, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(btnSearch, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jMenuBar1.setBorder(null);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout.setText("About");

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

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

menuItemAboutActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

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

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

layout.setVerticalGroup(

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

try {

IValidation nameValidator = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

nameValidator.Validate(txtID.getText());

if (qry.GetById(txtID.getText())) {

txtName.setText(qry.user.getName());

txtLocalEmail.setText(qry.user.getEmail());

String str = qry.user.getStatus().substring(0,1).toUpperCase() + qry.user.getStatus().substring(1).toLowerCase();

System.out.println(str);

adminStatus.setSelectedItem(str);

} else {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

try{

Catch\_Err();

//Setter

nxt.setId(txtID.getText());

nxt.setName(txtName.getText());

nxt.setEmail(txtLocalEmail.getText());

nxt.setStatus((String) adminStatus.getSelectedItem());

if(!err.Check\_Permission(nxt.getStatus().toLowerCase())){

err.Print\_Errors();

}else{

if (qry.GetById(txtID.getText())) {

if (qry.SetSQL\_Update(nxt)) {

qry.update\_query(qry.GetSQL\_Statement());

Clear\_Fields();

JOptionPane.showMessageDialog(null, "Data sucessfully updated");

} else {

txtID.setText(qry.user.getId());

JOptionPane.showMessageDialog(null, "You can`t change the ID");

}

}else {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

}

PrintList();

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

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

try{

IValidation nameValidator = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

nameValidator.Validate(txtID.getText());

if(!err.isMainHere()){

err.Print\_Errors();

}else{

if (qry.GetById(txtID.getText())) {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with ID:"+qry.user.getId()+" deleted");

qry.update\_query(qry.SQL\_Delete\_Student());

}else{

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

PrintList();

}

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

// TODO add your handling code here:

Clear\_Fields();

}

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

// TODO add your handling code here:

}

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

About about\_form = new About();

about\_form.setVisible(true);

}

///Window Methods

//Clear fields

private void Clear\_Fields() {

txtName.setText("");

txtID.setText("");

txtLocalEmail.setText("");

adminStatus.setSelectedIndex(0);

}

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//ID

try {

IValidation idValidation = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

idValidation.Validate(txtID.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Name

try {

IValidation nameValidation = ValidatorsFactory.make(ValidationType.NAME\_VALIDATOR);

nameValidation.Validate(txtName.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Email

try {

IValidation emailValidation = ValidatorsFactory.make(ValidationType.EMAIL\_VALIDATOR);

emailValidation.Validate(txtLocalEmail.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

//PrintList

private void PrintList(){

dm.removeAllElements();

for(int i =0; i < qry.Select\_All\_ID().size();++i){

dm.addElement(qry.Select\_All\_ID().get(i));

}

idList.setModel(dm);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Admin\_Operations().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JComboBox adminStatus;

private javax.swing.JButton btnBack;

private javax.swing.JButton btnClear;

private javax.swing.JButton btnDelete;

private javax.swing.JButton btnSearch;

private javax.swing.JButton btnUpdate;

private javax.swing.JList<String> idList;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel51;

private javax.swing.JLabel jLabel52;

private javax.swing.JLabel jLabel53;

private javax.swing.JLabel jLabel9;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JSeparator jSeparator7;

private javax.swing.JSeparator jSeparator8;

private javax.swing.JSeparator jSeparator9;

private javax.swing.JLabel labelID;

private javax.swing.JMenuItem menuItemAbout;

private javax.swing.JTextField txtID;

private javax.swing.JTextField txtLocalEmail;

private javax.swing.JTextField txtName;

// End of variables declaration

}

# **showStudents**

/\*

\* 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 forms;

import utils.CurrentUser;

import utils.Query;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.time.LocalDate;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.Date;

import javax.swing.JOptionPane;

import net.proteanit.sql.DbUtils;

import utils.Next\_Statement;

import utils.Payment;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class showStudents extends javax.swing.JFrame {

//Give permision append the table

Date date = Calendar.getInstance().getTime();

DateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd");

Query qr = new Query(this);

Query qr\_logs = new Query();

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form showStudents

\*/

public showStudents() {

super("Student");

initComponents();

qr.setDb\_name("student");

qr.Select\_All\_FromDB();

lbShowDate.setText(dateFormat.format(date));

if(!err.isMainHere() && !err.isCounter()){

txtID.setVisible(false);

txtAmount.setVisible(false);

lbMonth.setVisible(false);

btnMakewithdraw.setVisible(false);

btnSubmit.setVisible(false);

lbDate.setVisible(false);

lbID.setVisible(false);

lbPayments.setVisible(false);

lbToday.setVisible(false);

lbAmount.setVisible(false);

txtDebt.setVisible(false);

jSeparator1.setVisible(false);

jSeparator2.setVisible(false);

lbShowDate.setVisible(false);

btnFilter.setVisible(false);

}

if(!err.isMainHere()){

txtDebt.setEditable(false);

}

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

tableStudent = new javax.swing.JTable();

lbMonth = new javax.swing.JLabel();

btnMakewithdraw = new javax.swing.JButton();

btnBack = new javax.swing.JButton();

lbPayments = new javax.swing.JLabel();

txtID = new javax.swing.JTextField();

lbID = new javax.swing.JLabel();

lbAmount = new javax.swing.JLabel();

txtAmount = new javax.swing.JTextField();

lbToday = new javax.swing.JLabel();

lbDate = new javax.swing.JLabel();

btnSubmit = new javax.swing.JButton();

txtDebt = new javax.swing.JTextField();

lbShowDate = new javax.swing.JLabel();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

btnFilter = new javax.swing.JButton();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout2 = new javax.swing.JMenuItem();

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

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

tableStudent.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(tableStudent);

lbMonth.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

lbMonth.setText("Monthly payment");

btnMakewithdraw.setBackground(new java.awt.Color(134, 122, 206));

btnMakewithdraw.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

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

btnMakewithdraw.setText("Take credits");

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

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

btnMakewithdrawActionPerformed(evt);

}

});

btnBack.setBackground(new java.awt.Color(51, 50, 56));

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

lbPayments.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

lbPayments.setText("Insert Payment");

txtID.setBorder(null);

lbID.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

lbID.setText("Student ID");

lbAmount.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

lbAmount.setText("Amount");

txtAmount.setBorder(null);

lbToday.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

lbToday.setText("Today is");

btnSubmit.setBackground(new java.awt.Color(134, 122, 206));

btnSubmit.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

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

btnSubmit.setText("Submit");

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

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

btnSubmitActionPerformed(evt);

}

});

txtDebt.setText("650");

jSeparator1.setBackground(new java.awt.Color(51, 50, 56));

jSeparator1.setForeground(new java.awt.Color(51, 50, 56));

jSeparator2.setBackground(new java.awt.Color(51, 50, 56));

jSeparator2.setForeground(new java.awt.Color(51, 50, 56));

btnFilter.setBackground(new java.awt.Color(51, 50, 56));

btnFilter.setFont(new java.awt.Font("Sitka Text", 0, 11)); // NOI18N

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

btnFilter.setText("Payment Filter");

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

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

btnFilterActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addComponent(jScrollPane1)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(lbID)

.addComponent(txtID, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(lbAmount)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(txtAmount, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnSubmit, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(26, 26, 26)

.addComponent(btnFilter, javax.swing.GroupLayout.PREFERRED\_SIZE, 117, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addComponent(lbPayments)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 29, Short.MAX\_VALUE)

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

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbToday, javax.swing.GroupLayout.PREFERRED\_SIZE, 56, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(lbDate, javax.swing.GroupLayout.PREFERRED\_SIZE, 92, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(lbMonth)

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

.addComponent(txtDebt, javax.swing.GroupLayout.PREFERRED\_SIZE, 67, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 94, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnMakewithdraw, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 232, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(5, 5, 5)

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

.addComponent(lbPayments)

.addComponent(lbMonth)

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

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

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

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

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

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

.addComponent(lbToday)

.addComponent(lbShowDate))

.addComponent(lbDate, javax.swing.GroupLayout.PREFERRED\_SIZE, 8, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(btnMakewithdraw, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnSubmit, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnFilter, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(lbID)

.addComponent(lbAmount))

.addGap(6, 6, 6)

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

.addComponent(txtID, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(txtAmount, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(22, Short.MAX\_VALUE))))

);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout2.setText("About");

menuItemAbout2.addActionListener(new java.awt.event.ActionListener() {

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

menuItemAbout2ActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout2);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

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

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

try {

IValidation debtValidator = ValidatorsFactory.make(ValidationType.DEBT\_VALIDATOR);

debtValidator.Validate(txtDebt.getText());

if(qr.Insert\_Month\_Log()){

qr.update\_query(qr.GetSQL\_Statement());

Payment.getInstance().setAmount(txtDebt.getText());

if(qr.Update\_Credit\_Month\_Debt()){

qr.update\_query(qr.GetSQL\_Statement());

qr.Select\_All\_FromDB();

}

}else{

err\_list.add("Withdrawal has already been completed or is it system error.\n");

err.Print\_Errors();

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

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

try{

Catch\_Err();

Payment payment = Payment.getInstance();

payment.setAmount(txtAmount.getText());

payment.init();

if (qr.GetById(txtID.getText())){

qr.Update\_Credit();

qr.update\_query(qr.GetSQL\_Statement());

Clear\_Fields();

qr.Select\_All\_FromDB();

qr\_logs.setDb\_name("payment\_logs");

if(qr\_logs.Insert\_Logs(qr.user.getId())){

qr\_logs.update\_query(qr\_logs.get\_SQL\_Statement());

JOptionPane.showMessageDialog(null, CurrentUser.getInstance().getName() + ", you add "

+ ""+payment.getAmount()+" pln on student card.\nStudent id is "+qr.user.getId()+"\n"

+ "This information saved on log base");

}

}else {

Clear\_Fields();

JOptionPane.showMessageDialog(null, "User with entered ID is not exist");

}

System.out.println(payment.getAmount() + ", "+payment.getDate());

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

private void menuItemAbout2ActionPerformed(java.awt.event.ActionEvent evt) {

About about\_form = new About();

about\_form.setVisible(true);

}

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

setVisible(false);

StudentPayments student\_logs = new StudentPayments();

student\_logs.setVisible(true);

}

//Catch Err

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//ID

try {

IValidation idValidation = ValidatorsFactory.make(ValidationType.ID\_VALIDATOR);

idValidation.Validate(txtID.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//Amount

try {

IValidation amtValidation = ValidatorsFactory.make(ValidationType.AMOUNT\_VALIDATOR);

amtValidation.Validate(txtAmount.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

private void Clear\_Fields(){

//Clear fields

txtID.setText("");

txtAmount.setText("");

// txtDebt.setText("");

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(showStudents.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 showStudents().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

private javax.swing.JButton btnFilter;

private javax.swing.JButton btnMakewithdraw;

private javax.swing.JButton btnSubmit;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JLabel lbAmount;

private javax.swing.JLabel lbDate;

private javax.swing.JLabel lbID;

private javax.swing.JLabel lbMonth;

private javax.swing.JLabel lbPayments;

private javax.swing.JLabel lbShowDate;

private javax.swing.JLabel lbToday;

private javax.swing.JMenuItem menuItemAbout2;

public javax.swing.JTable tableStudent;

private javax.swing.JTextField txtAmount;

private javax.swing.JTextField txtDebt;

private javax.swing.JTextField txtID;

// End of variables declaration

}

# **showAdmins**

/\*

\* 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 forms;

import utils.Query;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.ArrayList;

import javax.swing.JOptionPane;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author roman

\*/

public class showAdmins extends javax.swing.JFrame {

//Give permision append the table

Query qr = new Query(this);

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form showStudents

\*/

public showAdmins() {

super("Admin");

initComponents();

qr.setDb\_name("admin");

qr.Select\_All\_FromDB();

if(!err.isMainHere()){

btnLogs.setVisible(false);

}

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

tableAdmins = new javax.swing.JTable();

btnBack = new javax.swing.JButton();

jLabel5 = new javax.swing.JLabel();

btnLogs = new javax.swing.JButton();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout2 = new javax.swing.JMenuItem();

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

setBackground(new java.awt.Color(134, 122, 206));

setResizable(false);

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

tableAdmins.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(tableAdmins);

btnBack.setBackground(new java.awt.Color(51, 50, 56));

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

jLabel5.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

jLabel5.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel5.setText("Admin List");

jLabel5.setToolTipText("");

btnLogs.setBackground(new java.awt.Color(134, 122, 206));

btnLogs.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnLogs.setText("Check Logs");

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

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

btnLogsActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 548, Short.MAX\_VALUE)

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

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

.addContainerGap()

.addComponent(btnLogs, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 85, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(24, 24, 24))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 145, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnLogs, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout2.setText("About");

menuItemAbout2.addActionListener(new java.awt.event.ActionListener() {

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

menuItemAbout2ActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout2);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

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

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

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

setVisible(false);

Logs Logs\_form = new Logs();

Logs\_form.setVisible(true);

}

private void menuItemAbout2ActionPerformed(java.awt.event.ActionEvent evt) {

About about\_form = new About();

about\_form.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new showAdmins().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

private javax.swing.JButton btnLogs;

private javax.swing.JLabel jLabel5;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JMenuItem menuItemAbout2;

public javax.swing.JTable tableAdmins;

// End of variables declaration

}

# **StudentPayments**

/\*

\* 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 forms;

import java.util.ArrayList;

import javax.swing.DefaultComboBoxModel;

import javax.swing.table.DefaultTableModel;

import net.proteanit.sql.DbUtils;

import utils.Query;

import utils.User;

/\*\*

\*

\* @author roman

\*/

public class StudentPayments extends javax.swing.JFrame {

Query qr = new Query(this);

private DefaultComboBoxModel dm = new DefaultComboBoxModel();

public User user;

/\*\*

\* Creates new form StudentPayments

\*/

public StudentPayments() {

initComponents();

qr.setDb\_name("student");

//Wartosci do combobox

PrintList();

qr.setDb\_name("payment\_logs");

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

lbPayment = new javax.swing.JLabel();

jScrollPane2 = new javax.swing.JScrollPane();

tbPayment = new javax.swing.JTable();

filterBox = new javax.swing.JComboBox<String>();

btnBack = new javax.swing.JButton();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout = new javax.swing.JMenuItem();

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

lbPayment.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

lbPayment.setForeground(new java.awt.Color(51, 50, 56));

lbPayment.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbPayment.setText("Student Payment Filter");

lbPayment.setToolTipText("");

tbPayment.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(tbPayment);

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

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

filterBoxActionPerformed(evt);

}

});

btnBack.setBackground(new java.awt.Color(51, 50, 56));

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout.setText("About");

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

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

menuItemAboutActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap(481, Short.MAX\_VALUE)

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

.addGap(18, 18, 18)

.addComponent(btnBack)

.addContainerGap())

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(lbPayment, javax.swing.GroupLayout.PREFERRED\_SIZE, 492, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 578, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

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

.addComponent(btnBack)

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

.addContainerGap(272, Short.MAX\_VALUE))

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

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

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 249, Short.MAX\_VALUE)

.addContainerGap()))

);

pack();

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

About about\_form = new About();

about\_form.setVisible(true);

}

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

int x = 0;

String item = (String) filterBox.getSelectedItem();

if(!filterBox.getSelectedItem().equals("\*")){

user = new User.UserBuilder().id(item.substring(0,2)).build();

qr.SQL\_STUDENT\_LOGS(user);

}else{

DefaultTableModel dm = (DefaultTableModel)tbPayment.getModel();

while(dm.getRowCount() > 0)

{

dm.removeRow(0);

}

}

}

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

// TODO add your handling code here:

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void PrintList(){

dm.removeAllElements();

dm.addElement("\*");

for(int i =0; i < qr.Select\_All\_ID().size();++i){

dm.addElement(qr.Select\_All\_ID().get(i));

}

filterBox.setModel(dm);

}

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(StudentPayments.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 StudentPayments().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

private javax.swing.JComboBox<String> filterBox;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JLabel lbPayment;

private javax.swing.JMenuItem menuItemAbout;

public javax.swing.JTable tbPayment;

// End of variables declaration

}

# **Logs**

/\*

\* 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 forms;

import java.util.ArrayList;

import utils.Query;

import net.proteanit.sql.DbUtils;

/\*\*

\*

\* @author roman

\*/

public class Logs extends javax.swing.JFrame {

Query qr = new Query(this);

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form Logs

\*/

public Logs() {

initComponents();

qr.setDb\_name("month\_payment");

qr.Select\_All\_FromDB();

qr.setDb\_name("payment\_logs");

qr.Select\_All\_FromDB();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jScrollPane2 = new javax.swing.JScrollPane();

tbPayment = new javax.swing.JTable();

lbPayment = new javax.swing.JLabel();

jScrollPane3 = new javax.swing.JScrollPane();

tbMonth = new javax.swing.JTable();

lbMonth = new javax.swing.JLabel();

btnBack = new javax.swing.JButton();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItem3 = new javax.swing.JMenuItem();

menuItemAbout = new javax.swing.JMenuItem();

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

setResizable(false);

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

tbPayment.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(tbPayment);

lbPayment.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

lbPayment.setForeground(new java.awt.Color(51, 50, 56));

lbPayment.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbPayment.setText("Payment`s Logs");

lbPayment.setToolTipText("");

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

new Object [][] {

{null, null},

{null, null},

{null, null},

{null, null}

},

new String [] {

"Title 1", "Title 2"

}

));

jScrollPane3.setViewportView(tbMonth);

lbMonth.setFont(new java.awt.Font("Sitka Banner", 0, 30)); // NOI18N

lbMonth.setForeground(new java.awt.Color(51, 50, 56));

lbMonth.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

lbMonth.setText("Month crediting");

lbMonth.setToolTipText("");

btnBack.setBackground(new java.awt.Color(51, 50, 56));

btnBack.setFont(new java.awt.Font("Sitka Text", 0, 13)); // NOI18N

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(lbPayment, javax.swing.GroupLayout.PREFERRED\_SIZE, 492, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 573, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

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

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(lbMonth, javax.swing.GroupLayout.DEFAULT\_SIZE, 191, Short.MAX\_VALUE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(43, 43, 43)

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

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

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

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

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

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

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 308, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 247, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

jMenu1.setText("File");

jMenuItem1.setText("Home");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuItem2.setText("Logout");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem2ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem2);

jMenuBar1.add(jMenu1);

jMenu2.setText("More");

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK\_S, java.awt.event.InputEvent.CTRL\_MASK));

jMenuItem3.setText("Guide");

jMenuItem3.addActionListener(new java.awt.event.ActionListener() {

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

jMenuItem3ActionPerformed(evt);

}

});

jMenu2.add(jMenuItem3);

menuItemAbout.setText("About");

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

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

menuItemAboutActionPerformed(evt);

}

});

jMenu2.add(menuItemAbout);

jMenuBar1.add(jMenu2);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

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

);

layout.setVerticalGroup(

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

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

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Login login\_form = new Login();

login\_form.setVisible(true);

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

GuidePage about\_form = new GuidePage();

about\_form.setVisible(true);

}

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

setVisible(false);

showAdmins admins\_list\_form = new showAdmins();

admins\_list\_form.setVisible(true);

}

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

About about\_form = new About();

about\_form.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Logs.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 Logs().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JMenuItem jMenuItem3;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JLabel lbMonth;

private javax.swing.JLabel lbPayment;

private javax.swing.JMenuItem menuItemAbout;

public javax.swing.JTable tbMonth;

public javax.swing.JTable tbPayment;

// End of variables declaration

}

# **Edit\_Password**

/\*

\* 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 forms;

import java.util.ArrayList;

import javax.swing.JOptionPane;

import utils.CurrentUser;

import utils.Query;

import utils.User;

import validators.IValidation;

import validators.ValidationType;

import validators.ValidatorsFactory;

/\*\*

\*

\* @author roman

\*/

public class Edit\_Password extends javax.swing.JFrame {

private Query qr;

private ArrayList<String> err\_list = new ArrayList<String>();

private Error\_Handling err = new Error\_Handling(err\_list);

/\*\*

\* Creates new form Edit\_Password

\*/

public Edit\_Password() {

initComponents();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

btnChange = new javax.swing.JButton();

btnExit = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txtNewPassword = new javax.swing.JPasswordField();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

jLabel3 = new javax.swing.JLabel();

txtCurrentPassword = new javax.swing.JPasswordField();

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

setResizable(false);

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

btnChange.setBackground(new java.awt.Color(134, 122, 206));

btnChange.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnChange.setText("Change Password");

btnChange.setBorder(null);

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

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

btnChangeActionPerformed(evt);

}

});

btnExit.setBackground(new java.awt.Color(51, 50, 56));

btnExit.setFont(new java.awt.Font("Sitka Text", 0, 14)); // NOI18N

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

btnExit.setText("Exit");

btnExit.setBorder(null);

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

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

btnExitActionPerformed(evt);

}

});

jLabel1.setBackground(new java.awt.Color(222, 245, 155));

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel1.setForeground(new java.awt.Color(51, 50, 56));

jLabel1.setText("Current Password");

jLabel2.setBackground(new java.awt.Color(222, 245, 155));

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setForeground(new java.awt.Color(51, 50, 56));

jLabel2.setText("New Password");

txtNewPassword.setForeground(new java.awt.Color(51, 50, 56));

txtNewPassword.setBorder(null);

jSeparator1.setBackground(new java.awt.Color(89, 106, 132));

jSeparator2.setBackground(new java.awt.Color(89, 106, 132));

jLabel3.setFont(new java.awt.Font("Sitka Banner", 0, 48)); // NOI18N

jLabel3.setForeground(new java.awt.Color(51, 50, 56));

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel3.setText("Change Password");

jLabel3.setToolTipText("");

txtCurrentPassword.setBorder(null);

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addContainerGap(59, Short.MAX\_VALUE)

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

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

.addComponent(jSeparator2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 256, Short.MAX\_VALUE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(btnChange, javax.swing.GroupLayout.PREFERRED\_SIZE, 128, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(txtCurrentPassword, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 251, Short.MAX\_VALUE)

.addComponent(jSeparator1, javax.swing.GroupLayout.Alignment.LEADING)))

.addGap(59, 59, 59))

);

jPanel1Layout.setVerticalGroup(

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

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

.addContainerGap(31, Short.MAX\_VALUE)

.addComponent(jLabel3)

.addGap(27, 27, 27)

.addComponent(jLabel1)

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

.addComponent(txtCurrentPassword, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel2)

.addGap(4, 4, 4)

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

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

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(27, 27, 27)

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

.addComponent(btnChange, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnExit, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(49, 49, 49))

);

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

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

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

try{

Catch\_Err();

if(err.EqualPasswords(CurrentUser.getInstance().getPassword(), txtCurrentPassword)){

//Execute qr

CurrentUser.getInstance().setPassword(txtNewPassword.getText());

qr = new Query();

qr.setDb\_name("admin");

qr.Update\_Password();

qr.update\_query(qr.GetSQL\_Statement());

JOptionPane.showMessageDialog(null, "Password was successfully updated");

Clear\_Fields();

}else{

err.Print\_Errors();

}

}catch(IllegalArgumentException e) {

JOptionPane.showMessageDialog(null, e.getMessage());

}

}

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

dispose();

}

private void Catch\_Err(){

StringBuilder errorMessage = new StringBuilder();

//Prev password

try {

IValidation currentPassword = ValidatorsFactory.make(ValidationType.PASSWORD\_VALIDATOR);

currentPassword.Validate(txtCurrentPassword.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

//New Password

try {

IValidation newPassword = ValidatorsFactory.make(ValidationType.NEW\_PASSWORD\_VALIDATOR);

newPassword.Validate(txtNewPassword.getText());

}catch(IllegalArgumentException e) {

errorMessage.append(e.getMessage() + '\n');

}

if (errorMessage.length() != 0) {

throw new IllegalArgumentException(errorMessage.toString());

}

}

private void Clear\_Fields(){

//Clear fields

txtCurrentPassword.setText("");

txtNewPassword.setText("");

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Edit\_Password().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnChange;

private javax.swing.JButton btnExit;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JPanel jPanel1;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JPasswordField txtCurrentPassword;

private javax.swing.JPasswordField txtNewPassword;

// End of variables declaration

}

# **About**

/\*

\* 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 forms;

/\*\*

\*

\* @author roman

\*/

public class About extends javax.swing.JFrame {

/\*\*

\* Creates new form About

\*/

public About() {

initComponents();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jSeparator1 = new javax.swing.JSeparator();

jLabel4 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

btnBack = new javax.swing.JButton();

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

setResizable(false);

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

jSeparator1.setBackground(new java.awt.Color(51, 50, 56));

jSeparator1.setForeground(new java.awt.Color(51, 50, 56));

jLabel4.setFont(new java.awt.Font("Sitka Banner", 0, 36)); // NOI18N

jLabel4.setForeground(new java.awt.Color(51, 50, 56));

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Developed by");

jLabel4.setToolTipText("");

jLabel9.setFont(new java.awt.Font("Sitka Banner", 0, 25)); // NOI18N

jLabel9.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel9.setText("Roman Uliashyn");

jLabel9.setToolTipText("");

jLabel10.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel10.setForeground(new java.awt.Color(51, 50, 56));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setText("Wyższej Szkoły Infromatyki Stosowanej i Zarządzania");

jLabel10.setToolTipText("");

jLabel11.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel11.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel11.setText("Student ");

jLabel11.setToolTipText("");

jLabel12.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel12.setForeground(new java.awt.Color(51, 50, 56));

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel12.setText("IDE - NetBeans 8.0.2");

jLabel12.setToolTipText("");

jLabel13.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel13.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel13.setText("Powered by Java");

jLabel13.setToolTipText("");

jLabel14.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel14.setForeground(new java.awt.Color(51, 50, 56));

jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel14.setText("Jre version 1.8.0\_231");

jLabel14.setToolTipText("");

jLabel15.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel15.setForeground(new java.awt.Color(51, 50, 56));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel15.setText("Contact me - romanuliashyn@gmail.com");

jLabel15.setToolTipText("");

btnBack.setBackground(new java.awt.Color(51, 50, 56));

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

btnBack.setText("Back");

btnBack.setFocusPainted(false);

btnBack.setFocusable(false);

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

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

btnBackActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

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

.addGap(0, 74, Short.MAX\_VALUE)

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

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

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jLabel10, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(132, 132, 132)

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(74, 74, 74))

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

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(166, 166, 166))

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

.addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED\_SIZE, 320, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(92, 92, 92))))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(145, 145, 145)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 209, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(111, 111, 111)

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

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 273, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 273, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(204, 204, 204)

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(25, 25, 25)

.addComponent(jLabel4)

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel9)

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

.addComponent(jLabel11)

.addGap(7, 7, 7)

.addComponent(jLabel10)

.addGap(18, 18, 18)

.addComponent(jLabel15)

.addGap(18, 18, 18)

.addComponent(jLabel12)

.addGap(11, 11, 11)

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

.addComponent(jLabel14)

.addComponent(jLabel13))

.addGap(18, 18, 18)

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(25, Short.MAX\_VALUE))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

);

layout.setVerticalGroup(

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

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

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

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

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

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

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

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

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(About.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 About().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

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 jLabel4;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JSeparator jSeparator1;

// End of variables declaration

}

# **Guide\_Page**

/\*

\* 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 forms;

/\*\*

\*

\* @author roman

\*/

public class GuidePage extends javax.swing.JFrame {

/\*\*

\* Creates new form About

\*/

public GuidePage() {

initComponents();

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

jSeparator3 = new javax.swing.JSeparator();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

jLabel16 = new javax.swing.JLabel();

jLabel17 = 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();

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();

jLabel30 = new javax.swing.JLabel();

jLabel31 = new javax.swing.JLabel();

jLabel32 = new javax.swing.JLabel();

jLabel33 = new javax.swing.JLabel();

jLabel34 = new javax.swing.JLabel();

jLabel35 = new javax.swing.JLabel();

jLabel36 = new javax.swing.JLabel();

jLabel37 = new javax.swing.JLabel();

jLabel38 = new javax.swing.JLabel();

jLabel39 = new javax.swing.JLabel();

jLabel40 = new javax.swing.JLabel();

jLabel41 = new javax.swing.JLabel();

jLabel42 = new javax.swing.JLabel();

btnBack = new javax.swing.JButton();

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

setResizable(false);

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

jLabel4.setFont(new java.awt.Font("Sitka Banner", 0, 36)); // NOI18N

jLabel4.setForeground(new java.awt.Color(51, 50, 56));

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Guide Page");

jLabel4.setToolTipText("");

jSeparator1.setBackground(new java.awt.Color(51, 50, 56));

jSeparator1.setForeground(new java.awt.Color(51, 50, 56));

jSeparator2.setBackground(new java.awt.Color(51, 50, 56));

jSeparator2.setForeground(new java.awt.Color(51, 50, 56));

jSeparator3.setBackground(new java.awt.Color(51, 50, 56));

jSeparator3.setForeground(new java.awt.Color(51, 50, 56));

jLabel5.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel5.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel5.setText("Permission & Functionality");

jLabel5.setToolTipText("");

jLabel6.setFont(new java.awt.Font("Sitka Banner", 0, 26)); // NOI18N

jLabel6.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel6.setText("Common");

jLabel6.setToolTipText("");

jLabel7.setFont(new java.awt.Font("Sitka Banner", 0, 26)); // NOI18N

jLabel7.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel7.setText("Main");

jLabel7.setToolTipText("");

jLabel8.setFont(new java.awt.Font("Sitka Banner", 0, 26)); // NOI18N

jLabel8.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel8.setText("Counter");

jLabel8.setToolTipText("");

jLabel9.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel9.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel9.setText("Add new Student ");

jLabel9.setToolTipText("");

jLabel10.setFont(new java.awt.Font("Sitka Banner", 0, 20)); // NOI18N

jLabel10.setForeground(new java.awt.Color(51, 50, 56));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setText("User Types");

jLabel10.setToolTipText("");

jLabel11.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel11.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel11.setText("Update&Remove Student");

jLabel11.setToolTipText("");

jLabel12.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel12.setForeground(new java.awt.Color(51, 50, 56));

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel12.setText("Add new Admin");

jLabel12.setToolTipText("");

jLabel13.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel13.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel13.setText("Update&Remove Admin");

jLabel13.setToolTipText("");

jLabel14.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel14.setForeground(new java.awt.Color(51, 50, 56));

jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel14.setText("Change own password");

jLabel14.setToolTipText("");

jLabel15.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel15.setForeground(new java.awt.Color(51, 50, 56));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel15.setText("Crediting all students");

jLabel15.setToolTipText("");

jLabel16.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel16.setForeground(new java.awt.Color(51, 50, 56));

jLabel16.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel16.setText("Add credits to students");

jLabel16.setToolTipText("");

jLabel17.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel17.setForeground(new java.awt.Color(51, 50, 56));

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel17.setText("Check Payments Logs");

jLabel17.setToolTipText("");

jLabel18.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel18.setForeground(new java.awt.Color(51, 50, 56));

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel18.setToolTipText("");

jLabel19.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel19.setForeground(new java.awt.Color(51, 50, 56));

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel19.setText("View the list of Students");

jLabel19.setToolTipText("");

jLabel20.setFont(new java.awt.Font("Sitka Banner", 0, 17)); // NOI18N

jLabel20.setForeground(new java.awt.Color(51, 50, 56));

jLabel20.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel20.setText("View the list of Admins");

jLabel20.setToolTipText("");

jLabel21.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel21.setForeground(new java.awt.Color(51, 50, 56));

jLabel21.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel21.setText("+");

jLabel21.setToolTipText("");

jLabel22.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel22.setForeground(new java.awt.Color(51, 50, 56));

jLabel22.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel22.setText("+");

jLabel22.setToolTipText("");

jLabel23.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel23.setForeground(new java.awt.Color(51, 50, 56));

jLabel23.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel23.setText("+");

jLabel23.setToolTipText("");

jLabel24.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel24.setForeground(new java.awt.Color(51, 50, 56));

jLabel24.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel24.setText("+");

jLabel24.setToolTipText("");

jLabel25.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel25.setForeground(new java.awt.Color(51, 50, 56));

jLabel25.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel25.setText("+");

jLabel25.setToolTipText("");

jLabel26.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel26.setForeground(new java.awt.Color(51, 50, 56));

jLabel26.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel26.setText("+");

jLabel26.setToolTipText("");

jLabel27.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel27.setForeground(new java.awt.Color(51, 50, 56));

jLabel27.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel27.setText("+");

jLabel27.setToolTipText("");

jLabel28.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel28.setForeground(new java.awt.Color(51, 50, 56));

jLabel28.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel28.setText("+");

jLabel28.setToolTipText("");

jLabel29.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel29.setForeground(new java.awt.Color(51, 50, 56));

jLabel29.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel29.setText("+");

jLabel29.setToolTipText("");

jLabel30.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel30.setForeground(new java.awt.Color(51, 50, 56));

jLabel30.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel30.setText("+");

jLabel30.setToolTipText("");

jLabel31.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel31.setForeground(new java.awt.Color(51, 50, 56));

jLabel31.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel31.setText("+");

jLabel31.setToolTipText("");

jLabel32.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel32.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel32.setText("+");

jLabel32.setToolTipText("");

jLabel33.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel33.setForeground(new java.awt.Color(51, 50, 56));

jLabel33.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel33.setText("+");

jLabel33.setToolTipText("");

jLabel34.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel34.setForeground(new java.awt.Color(51, 50, 56));

jLabel34.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel34.setText("+");

jLabel34.setToolTipText("");

jLabel35.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel35.setForeground(new java.awt.Color(51, 50, 56));

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

jLabel35.setText("+");

jLabel35.setToolTipText("");

jLabel36.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel36.setForeground(new java.awt.Color(51, 50, 56));

jLabel36.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel36.setText("+");

jLabel36.setToolTipText("");

jLabel37.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel37.setForeground(new java.awt.Color(51, 50, 56));

jLabel37.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel37.setText("+");

jLabel37.setToolTipText("");

jLabel38.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel38.setForeground(new java.awt.Color(51, 50, 56));

jLabel38.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel38.setText("+");

jLabel38.setToolTipText("");

jLabel39.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel39.setForeground(new java.awt.Color(51, 50, 56));

jLabel39.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel39.setText("+");

jLabel39.setToolTipText("");

jLabel40.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel40.setForeground(new java.awt.Color(51, 50, 56));

jLabel40.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel40.setText("+");

jLabel40.setToolTipText("");

jLabel41.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel41.setForeground(new java.awt.Color(51, 50, 56));

jLabel41.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel41.setText("+");

jLabel41.setToolTipText("");

jLabel42.setFont(new java.awt.Font("Sitka Banner", 1, 22)); // NOI18N

jLabel42.setForeground(new java.awt.Color(51, 50, 56));

jLabel42.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel42.setText("+");

jLabel42.setToolTipText("");

btnBack.setBackground(new java.awt.Color(51, 50, 56));

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

btnBack.setText("Back");

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

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

btnBackActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

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

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

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

.addGap(27, 27, 27)

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

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(10, 10, 10)

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 164, Short.MAX\_VALUE)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 209, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

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

.addComponent(jLabel5)))

.addGap(18, 18, 18)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel40, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel41, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel27, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel42, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel28, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel29, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jSeparator1)

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

.addGap(8, 8, 8)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 131, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 14, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(26, 26, 26)

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

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(13, 13, 13)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 131, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel33, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel34, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel35, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel36, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel37, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

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

.addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGap(10, 10, 10)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 131, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(12, 12, 12))))

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

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

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

.addComponent(jLabel24, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel39, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))))))

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

.addContainerGap())

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(209, 209, 209)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 96, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(23, 23, 23)

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

.addComponent(jLabel16, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(13, 13, 13))

.addComponent(jLabel32, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(40, 40, 40)

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

.addComponent(jLabel31, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel30, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))))))

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(38, 38, 38))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel4)

.addGap(24, 24, 24)

.addComponent(jLabel5))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel10)

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

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

.addComponent(jLabel6)

.addComponent(jLabel8)

.addComponent(jLabel7))

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

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE))))

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

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

.addComponent(jLabel9)

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

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

.addComponent(jLabel11)

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

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel33, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel39, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

.addComponent(jLabel19)

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel34, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel40, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel20)

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel35, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel41, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel14)

.addComponent(jLabel27, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel36, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel42, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

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

.addComponent(jLabel12)

.addComponent(jLabel28, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel13)

.addComponent(jLabel29, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(3, 3, 3)

.addComponent(jLabel30, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))

.addComponent(jLabel15))

.addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel16)

.addComponent(jLabel31, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel37, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel17)

.addComponent(jLabel32, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jLabel18)

.addContainerGap(22, Short.MAX\_VALUE))

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

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

.addComponent(btnBack, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void btnBackActionPerformed(java.awt.event.ActionEvent evt) {

setVisible(false);

Home home\_form = new Home();

home\_form.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(GuidePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(GuidePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(GuidePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(GuidePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new GuidePage().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBack;

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 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 jLabel37;

private javax.swing.JLabel jLabel38;

private javax.swing.JLabel jLabel39;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel40;

private javax.swing.JLabel jLabel41;

private javax.swing.JLabel jLabel42;

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.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JSeparator jSeparator3;

// End of variables declaration

}

# **Errors\_Handling**

/\*

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\* and open the template in the editor.

\*/

package forms;

import utils.Query;

import utils.CurrentUser;

import java.util.ArrayList;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

import utils.CurrentUser;

import utils.Query;

/\*\*

\*

\* @author roman

\*/

public class Error\_Handling {

private ArrayList<String> err\_list = new ArrayList<String>();

CurrentUser current\_user = CurrentUser.getInstance();

private Query qr = new Query();

public Error\_Handling(ArrayList<String> err\_list){

this.err\_list = err\_list;

}

public boolean isMainHere(){

if(current\_user.getStatus().toLowerCase().equals("main")){

return true;

}else{

return false;

}

}

public boolean isCounter(){

if(current\_user.getStatus().toLowerCase().equals("counter")){

return true;

}else{

return false;

}

}

///CURENT USER

public boolean Check\_Permission(String compare){

boolean ableToChange = true;

if(compare.toLowerCase().equals("main")){

System.out.println(current\_user.getStatus() +"==="+compare);

if(current\_user.getStatus().toLowerCase().equals(compare.toLowerCase())) {

System.out.println("Can change");

ableToChange = true;

}else {

System.out.println("Cannot");

ableToChange = false;

err\_list.add("You have no permission to CRUD others admins");

}

}

return ableToChange;

}

public boolean EqualPasswords(String prev,JTextField next){

boolean stm;

if(prev.equals(next.getText())){

stm = true;

}else{

err\_list.add("Current password is incorrect\n");

stm = false;

}

return stm;

}

public void Print\_Errors(){

String stm = "";

for(int i = 0; i < err\_list.size(); ++i){stm += err\_list.get(i);}

JOptionPane.showMessageDialog(null, stm);

err\_list.clear();

}

boolean Exist\_Email(JTextField s,String db) {

qr.setDb\_name(db);

if(!qr.emailExist(s.getText())){

err\_list.add("User with email "+s.getText()+" exist");

return false;

}else{

return true;

}

}

}

# **CurrentUser**

/\*

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\* and open the template in the editor.

\*/

package utils;

/\*\*

\*

\* @author roman

\*/

public class CurrentUser {

private static CurrentUser current\_user;

private String name,status,email,password;

private static boolean initialized = false;

private CurrentUser(){}

public void setName(String name) {

this.name = name;

}

public void setEmail(String s){

this.email = s;

}

public void setPassword(String name) {

this.password = name;

}

public void setStatus(String s){

this.status = s;

}

public String getEmail(){

return email;

}

public String getPassword(){

return password;

}

public String getStatus(){

return status;

}

public String getName(){

return name;

}

public void init(){

getStatus();

getEmail();

getPassword();

}

public static CurrentUser getInstance() {

if(initialized) return current\_user;

current\_user = new CurrentUser();

current\_user.init();

initialized = true;

return current\_user;

}

}

# **Payment**

/\*

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\* and open the template in the editor.

\*/

package utils;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.time.LocalDate;

import java.util.Calendar;

import java.util.Date;

/\*\*

\*

\* @author roman

\*/

public class Payment {

//All final attributes

private static Payment payment;

private String status;

private int amount;

Date date,logDate;

private DateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");

private DateFormat logFormat = new SimpleDateFormat("yyyy-MM-dd");

private static boolean initialized = false;

private Payment(){}

public void setAmount(int s){

this.amount = s;

}

public void setAmount(String s){

this.amount = Integer.parseInt(s);

}

public int getAmount(){

return amount;

}

public String getDate(){

this.date = Calendar.getInstance().getTime();

return dateFormat.format(date);

}

public String getLogDate(){

this.logDate = Calendar.getInstance().getTime();

return logFormat.format(logDate);

}

public void init(){

getDate();

getAmount();

getLogDate();

}

public static Payment getInstance() {

if(initialized) return payment;

payment = new Payment();

payment.init();

initialized = true;

return payment;

}

}

# **User**

/\*

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\* and open the template in the editor.

\*/

package utils;

/\*\*

\*

\* @author roman

\*/

public class User {

//All final attributes

private final int id; //only for queries

private final String name; // make required

private final String email; // optional

private final int clas; // optional

private final String phone; // optional

private final String city; // optional

private final String status;

private final String password;

private final int credit;

private User(UserBuilder builder) {

this.id = builder.id;

this.name = builder.name;

this.email = builder.email;

this.clas = builder.clas;

this.phone = builder.phone;

this.city = builder.city;

this.status = builder.status;

this.password = builder.password;

this.credit = builder.credit;

}

//All getter, and NO setter to provde immutability

public int getId(){

return id;

}

public String getName() {

return name;

}

public String getEmail() {

return email;

}

public int getClas() {

return clas;

}

public String getPhone() {

return phone;

}

public String getCity() {

return city;

}

public String getStatus(){

return status;

}

public String getPassword(){

return password;

}

public int getCredit(){

return credit;

}

@Override

public String toString() {

return "User: "+this.id+", "+this.name+", "+this.email+", "+this.clas+", "+this.phone+", "+this.city + ", "+ this.password;

}

public static class UserBuilder

{

private int id;

private String name;

private String email;

private int clas;

private String phone;

private String city;

private String status;

private String password;

private int credit;

public UserBuilder() {

}

public UserBuilder id(int id){

this.id = id;

return this;

}

//Override parsed

public UserBuilder id(String id){

this.id = Integer.parseInt(id);

return this;

}

public UserBuilder name(String name)

{

this.name = name;

return this;

}

public UserBuilder email(String email)

{

this.email = email;

return this;

}

public UserBuilder clas(int clas) {

this.clas = clas;

return this;

}

// Overrider parsed

public UserBuilder clas(String clas) {

this.clas = Integer.parseInt(clas);

return this;

}

public UserBuilder phone(String phone) {

this.phone = phone;

return this;

}

public UserBuilder city(String city) {

this.city = city;

return this;

}

public UserBuilder(String status){

this.status = status;

}

public UserBuilder password(String pass){

this.password = pass;

return this;

}

public UserBuilder status(String status){

this.status = status;

return this;

}

public UserBuilder credit(int credit){

this.credit = credit;

return this;

}

public UserBuilder credit(String credit){

this.credit = Integer.parseInt(credit);

return this;

}

//Return the finally consrcuted User object

public User build() {

User user = new User(this);

validateUserObject(user);

return user;

}

private void validateUserObject(User user) {

//Do some basic validations to check

//if user object does not break any assumption of system

}

}

}

# **Query**

/\*

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\* and open the template in the editor.

\*/

package utils;

import utils.Next\_Statement;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.ArrayList;

import net.proteanit.sql.DbUtils;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Calendar;

import java.util.Date;

import javax.swing.JOptionPane;

import forms.Logs;

import forms.StudentPayments;

import forms.showAdmins;

import forms.showStudents;

/\*\*

\*

\* @author roman

\*/

public class Query {

public User user;

private Connection conn = null;

private Statement stmt = null;

private ResultSet rs = null;

showStudents show\_window\_stud;

showAdmins show\_window\_adm;

Logs show\_logs;

StudentPayments student\_logs;

private String db\_name;

//Create SQL Statement

private String SQL\_Statement;

public Query(){

conn = databaseConnection.connection();

}

public Query(User user){

conn = databaseConnection.connection();

this.user = user;

user.toString();

}

//set Table

public Query(showStudents window){

conn = databaseConnection.connection();

this.show\_window\_stud = window;

}

public Query(showAdmins window){

conn = databaseConnection.connection();

this.show\_window\_adm = window;

}

public Query(Logs window){

conn = databaseConnection.connection();

this.show\_logs = window;

}

public Query(StudentPayments window){

conn = databaseConnection.connection();

this.student\_logs = window;

}

/////METHODS

///Update Students

public void update\_query(String sql\_command){

try{

stmt = conn.createStatement();

stmt.executeUpdate(sql\_command);

}catch(Exception e){

System.out.println(e);

}

}

public boolean SQL\_Login(){

try{

stmt = conn.createStatement();

this.SQL\_Statement = "SELECT id,name,email,password,admin\_status FROM admin WHERE email='"+user.getEmail()+"' && password = '"+user.getPassword()+"'";

rs = stmt.executeQuery(SQL\_Statement);

if(rs.next()){

CurrentUser current\_user = CurrentUser.getInstance();

current\_user.setStatus(rs.getString("admin\_status"));

current\_user.setEmail(rs.getString("email"));

current\_user.setName(rs.getString("name"));

current\_user.setPassword(rs.getString("password"));

return true;

}

}catch(Exception e){

System.out.println(e);

}

return false;

}

//Show ALl Students to Table

public void Select\_All\_FromDB(){

try{

stmt = conn.createStatement();

switch(getDb\_name()){

case "student":

rs = stmt.executeQuery("SELECT id,name,email,phone,city,class,credit FROM "+getDb\_name());

show\_window\_stud.tableStudent.setModel(DbUtils.resultSetToTableModel(rs));

break;

case "admin":

rs = stmt.executeQuery("SELECT name,email,admin\_status FROM "+getDb\_name());

show\_window\_adm.tableAdmins.setModel(DbUtils.resultSetToTableModel(rs));

break;

case "month\_payment":

rs = stmt.executeQuery("SELECT counter\_name,date FROM "+getDb\_name());

show\_logs.tbMonth.setModel(DbUtils.resultSetToTableModel(rs));

break;

case "payment\_logs":

rs = stmt.executeQuery("SELECT admin\_name,transfer\_info,date FROM "+getDb\_name());

show\_logs.tbPayment.setModel(DbUtils.resultSetToTableModel(rs));

break;

default:

System.out.println("err");

}

}catch(Exception e){

System.out.println(e);

}

}

//Get By ID

public boolean GetById(String id){

switch(getDb\_name()){

case "student":

this.SQL\_Statement = "SELECT id,name,email,credit,city,class,phone FROM "+getDb\_name()+" WHERE id ='"+id+"'";

try{

stmt = conn.createStatement();

rs = stmt.executeQuery(SQL\_Statement);

if(rs.next()){

user = new User.UserBuilder()

.id(Integer.toString(rs.getInt("id")))

.name(rs.getString("name"))

.email(rs.getString("email"))

.city(rs.getString("city"))

.clas(Integer.toString(rs.getInt("class")))

.credit(Integer.toString(rs.getInt("credit")))

.phone(rs.getString("phone"))

.build();

return true;

}

}catch(Exception e){

System.out.println(e);

}

break;

case "admin":

this.SQL\_Statement = "SELECT id,name,email,admin\_status FROM "+getDb\_name() + " WHERE id ='"+id+"'";

try{

stmt = conn.createStatement();

rs = stmt.executeQuery(SQL\_Statement);

if(rs.next()){

user = new User.UserBuilder()

.id(id)

.name(rs.getString("name"))

.email(rs.getString("email"))

.status(rs.getString("admin\_status"))

.build();

return true;

}

}catch(Exception e){

System.out.println(e);

}

break;

default:

System.out.println("Err");

}

return false;

}

public boolean emailExist(String email){

System.out.println("Check point "+ getDb\_name());

this.SQL\_Statement = "SELECT email FROM "+ getDb\_name() + " WHERE email ='"+email+"'";

try{

stmt = conn.createStatement();

rs = stmt.executeQuery(SQL\_Statement);

if(rs.next()){

System.out.println("User exist");

return false;

}

}catch(Exception e){

System.out.println(e);

}

return true;

}

//INSERT to BD. All fields are required

public boolean Insert\_Student(){

boolean isError=false;

if(user.getName().equals("")||user.getCity().equals("")||user.getPhone().equals("")||user.getEmail().equals("")){

isError = true;

}

else{

this.SQL\_Statement = "INSERT INTO "+getDb\_name()+" (name,email,phone,city,class) "

+ "VALUES('"+user.getName()+ "','"+user.getEmail()+"','"

+ user.getPhone()+ "','"+user.getCity()+"','"+user.getClas()+"')";

}

System.out.println(this.SQL\_Statement);

return isError;

}

// INSERT TO ADMINS TABLE

public boolean Insert\_Admin(){

boolean isError=false;

if(user.getName().equals("")||user.getEmail().equals("")){

isError = true;

}

else{

this.SQL\_Statement = "INSERT INTO "+getDb\_name()+" (name,email,password,admin\_status) "

+ "VALUES('"+user.getName()+ "','"+user.getEmail()+"','"

+ user.getPassword()+"','"+user.getStatus().toLowerCase()+"')";

}

return isError;

}

public boolean Insert\_Logs(String ID){

boolean isError=true;

if(CurrentUser.getInstance().getName().equals("")||Payment.getInstance().getDate().equals("")){

isError = false;

}

else{

this.SQL\_Statement = "INSERT INTO "+getDb\_name()+" (admin\_name,transfer\_info,date) "

+ "VALUES('"+CurrentUser.getInstance().getName()+"','"

+Integer.toString(Payment.getInstance().getAmount())+" pln credited to the student with ID: "+ID+"','"+Payment.getInstance().getDate()+"')";

}

return isError;

}

public boolean Insert\_Month\_Log(){

if(!Exist\_Log()){

this.SQL\_Statement = "INSERT INTO month\_payment (date,counter\_name) VALUES ('"+Payment.getInstance().getLogDate()+"','"+CurrentUser.getInstance().getName()+"')";

System.out.println("Set insert");

return true;

}else{

return false;

}

}

public boolean Exist\_Log(){

DateFormat dayFormat = new SimpleDateFormat("dd");

Date withdraw\_day;

try{

withdraw\_day = new SimpleDateFormat("yyyy-MM-dd").parse(Payment.getInstance().getLogDate());

if(dayFormat.format(withdraw\_day).equals("10")){

System.out.println("Payment data is equal to 10");

stmt = conn.createStatement();

this.SQL\_Statement = "SELECT \* FROM month\_payment WHERE date='"+Payment.getInstance().getLogDate()+"'";

rs = stmt.executeQuery(SQL\_Statement);

if(rs.next()){

System.out.println(rs.getString("date"));

return true;

}else{

return false;

}

}else{

JOptionPane.showMessageDialog(null, "Payment occurs only on the 10th of each month\n");

return true;

}

}catch(Exception e){

System.out.println(e);

}

return false;

}

//SELECT ALL SET AND GET

public void Set\_Select\_All(){

this.SQL\_Statement = "SELECT \* FROM "+getDb\_name();

}

public String get\_SQL\_Statement(){

return SQL\_Statement;

}

public boolean SetSQL\_Update(Next\_Statement nxt){

if(!Prev\_Next(user.getId(),nxt.getId())){

return false;

}

if(GetById(nxt.getId())){

this.SQL\_Statement = "UPDATE "+getDb\_name()+" SET id = '"+user.getId()+"'";

if(!Prev\_Next(user.getName(),nxt.getName())){

this.SQL\_Statement += ", name = '"+nxt.getName()+"'";

}

switch(getDb\_name()){

case "admin":

if(!Prev\_Next(user.getEmail(),nxt.getEmail())){

this.SQL\_Statement += ", email = '"+nxt.getEmail()+"'";

}

if(!Prev\_Next(user.getStatus(),nxt.getStatus().toLowerCase())){

this.SQL\_Statement += ", admin\_status = '"+nxt.getStatus().toLowerCase()+"'";

}

break;

case "student":

if(!Prev\_Next(user.getCity(),nxt.getCity())){

this.SQL\_Statement += ", city = '"+nxt.getCity()+"'";

}

if(!Prev\_Next(user.getPhone(),nxt.getPhone())){

this.SQL\_Statement += ", phone = '"+nxt.getPhone()+"'";

}

if(!Prev\_Next(user.getEmail(),nxt.getEmail())){

this.SQL\_Statement += ", email = '"+nxt.getEmail()+"'";

}

if(Prev\_Next(user.getClas(),nxt.getClas())){

this.SQL\_Statement += ", class = '"+nxt.getClas()+"'";

}

break;

}

this.SQL\_Statement +=" WHERE id ='"+user.getId()+"'";

}

return true;

}

public String GetSQL\_Statement(){

return SQL\_Statement;

}

public String SQL\_Delete\_Student(){

this.SQL\_Statement = "DELETE FROM "+getDb\_name()+" WHERE id = '"+user.getId()+"'";

return this.SQL\_Statement ;

}

public void Update\_Credit(){

Payment payment = Payment.getInstance();

this.SQL\_Statement = "UPDATE "+getDb\_name()+" SET credit = credit + "+Integer.toString(payment.getAmount())+" WHERE id = '"+user.getId()+"'";

}

public boolean Update\_Credit\_Month\_Debt(){

this.SQL\_Statement = "UPDATE "+getDb\_name()+" SET "

+ "credit = credit - "+Integer.toString(Payment.getInstance().getAmount())+" ";

return true;

}

public void Update\_Password(){

this.SQL\_Statement = "UPDATE "+getDb\_name()+ " SET password = '"+ CurrentUser.getInstance().getPassword()+"' WHERE email = '"+CurrentUser.getInstance().getEmail()+"'";

}

public ArrayList<String> Select\_All\_ID(){

ArrayList<String> list = new ArrayList<>();

switch(getDb\_name()){

case "student":

this.SQL\_Statement = "SELECT id,name FROM "+getDb\_name();

executeQuery(list);

break;

case "admin":

this.SQL\_Statement = "SELECT id,name FROM "+getDb\_name();

executeQuery(list);

break;

case "payment\_logs":

this.SQL\_Statement = "SELECT \* FROM "+getDb\_name();

executeQuery(list);

break;

default:

System.out.println("Err");

}

return list;

}

public void SQL\_STUDENT\_LOGS(User user){

try{

stmt = conn.createStatement();

//expretion,poczatek , dlugosc pobrania

this.SQL\_Statement = "SELECT transfer\_info,date FROM "+getDb\_name()+" WHERE SUBSTRING(transfer\_info, LENGTH(transfer\_info)-1,2) = '"+user.getId()+"'";

rs = stmt.executeQuery(SQL\_Statement);

student\_logs.tbPayment.setModel(DbUtils.resultSetToTableModel(rs));

while(rs.next()){

System.out.println(rs.getString(1));

}

}catch(Exception e){

System.out.println(e);

}

}

private void executeQuery(ArrayList<String> list){

try{

stmt = conn.createStatement();

rs = stmt.executeQuery(SQL\_Statement);

while(rs.next()){

list.add(rs.getString("id")+" - "+ rs.getString("name"));

}

}catch(Exception e){

System.out.println(e);

}

}

private boolean Prev\_Next(String prev,String next){

boolean IsTrue;

if(prev.equals(next)){

// System.out.println(prev +"=="+next);

IsTrue = true;

}else{

// System.out.println(prev +"=="+next);

IsTrue = false;

}

return IsTrue;

}

/\*\*

\* @return the db\_name

\*/

public String getDb\_name() {

return db\_name;

}

/\*\*

\* @param db\_name the db\_name to set

\*/

public void setDb\_name(String db\_name) {

this.db\_name = db\_name;

}

}

# **Next\_Statement**

/\*

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\* and open the template in the editor.

\*/

package utils;

/\*\*

\*

\* @author roman

\*/

public class Next\_Statement {

public Next\_Statement(){

}

//Inserting values

private int id;

private String name;

private String email;

private String phone;

private String city;

private int clas;

private String status;

private int credit;

/\*\*

\* @return the id

\*/

public int getId() {

return id;

}

/\*\*

\* @param id the id to set

\*/

public void setId(int id) {

this.id = id;

}

public void setId(String id) {

this.id = Integer.parseInt(id);

}

/\*\*

\* @return the name

\*/

public String getName() {

return name;

}

/\*\*

\* @param name the name to set

\*/

public void setName(String name) {

this.name = name;

}

/\*\*

\* @return the Email

\*/

public String getEmail() {

return email;

}

/\*\*

\* @param email the Email to set

\*/

public void setEmail(String email) {

this.email = email;

}

/\*\*

\* @return the nphone

\*/

public String getPhone() {

return phone;

}

/\*\*

\* @param nphone the nphone to set

\*/

public void setPhone(String phone) {

this.phone = phone;

}

/\*\*

\* @return the city

\*/

public String getCity() {

return city;

}

/\*\*

\* @param city the city to set

\*/

public void setCity(String city) {

this.city = city;

}

/\*\*

\* @return the clas

\*/

public int getClas() {

return clas;

}

/\*\*

\* @param clas the clas to set

\*/

public void setClas(int clas) {

this.clas = clas;

}

public void setClas(String clas) {

this.clas = Integer.parseInt(clas);

}

/\*\*

\* @return the status

\*/

public String getStatus() {

return status;

}

/\*\*

\* @param status the status to set

\*/

public void setStatus(String status) {

this.status = status;

}

String getCredit() {

throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools | Templates.

}

/\*\*

\* @param credit the credit to set

\*/

public void setCredit(int credit) {

this.credit = credit;

}

public void setCredit(String credit) {

this.credit = Integer.parseInt(credit);

}

}

# **databaseConection**

package utils;

import java.sql.Connection;

import java.sql.DriverManager;

import javax.swing.JOptionPane;

/\*

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\* and open the template in the editor.

\*/

/\*\*

\*

\* @author roman

\*/

public class databaseConnection {

//

final static String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

final static String DB\_URL = "jdbc:mysql://localhost:3306/student";

final static String USER = "root";

final static String PASS = "";

public static Connection connection(){ //call function method without createing object

try{

Class.forName(JDBC\_DRIVER);

Connection conn;

conn = DriverManager.getConnection(DB\_URL,USER,PASS);

return conn;

}catch(Exception ex){

JOptionPane.showMessageDialog(null,"Ooops.. It looks like connection was lost(\n\n"

+ "1. Be sure you are connected to the internet.\n2. Try login a bit later.\n"

+ "3. If problem be the same, contact us via email - \n romanuliashyn@gmail.com");

System.exit(0);

return null;

}

}

}

# **IValidation**

/\*

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\* and open the template in the editor.

\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public interface IValidation {

void Validate(Object data);

}

# **ValidationType**

/\*

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\* and open the template in the editor.

\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public enum ValidationType {

EMAIL\_VALIDATOR,

NAME\_VALIDATOR,

ID\_VALIDATOR,

PHONE\_VALIDATOR,

CITY\_VALIDATOR,

CLASS\_VALIDATOR,

PASSWORD\_VALIDATOR,

NEW\_PASSWORD\_VALIDATOR,

AMOUNT\_VALIDATOR,

DEBT\_VALIDATOR;

}

# **ValidatorsFactory**

/\*

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\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public class ValidatorsFactory {

public static IValidation make(ValidationType type) {

if (type == ValidationType.ID\_VALIDATOR) {

return new IdValidator();

}else if (type == ValidationType.NAME\_VALIDATOR) {

return new NameValidator();

}else if(type == ValidationType.EMAIL\_VALIDATOR){

return new EmailValidator();

}else if(type == ValidationType.PASSWORD\_VALIDATOR){

return new PwdValidator();

}else if(type == ValidationType.PHONE\_VALIDATOR){

return new PhoneValidator();

}else if(type == ValidationType.CITY\_VALIDATOR){

return new CityValidator();

}else if(type == ValidationType.CLASS\_VALIDATOR){

return new ClassValidator();

}else if(type == ValidationType.AMOUNT\_VALIDATOR){

return new AmtValidator();

}else if(type == ValidationType.DEBT\_VALIDATOR){

return new DebtValidator();

}else if(type == ValidationType.NEW\_PASSWORD\_VALIDATOR){

return new NewPasswordValidator();

}

else {

throw new IllegalArgumentException("Unknown validator");

}

}

}

# **IdValidator**

/\*

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\*/

package validators;

import java.util.regex.Pattern;

/\*\*

\*

\* @author roman

\*/

public class IdValidator implements IValidation {

private Pattern pattern = Pattern.compile("-?\\d+(\\.\\d+)?");

public boolean isNumeric(String strNum) {

if (strNum == null) {

return false;

}

return pattern.matcher(strNum).matches();

}

@Override

public void Validate(Object data) {

try{

String id = (String) data;//check on string

if(id.equals("")){

throw new IllegalArgumentException("Id Field is empty");

}

if(!isNumeric(id)) {

throw new IllegalArgumentException("Id is not numeric");

}

if(id.length() >= 6){

throw new IllegalArgumentException("Id is too long");

}

}catch(ClassCastException e){

throw new IllegalArgumentException("Id is not of type string");

}

}

}

# **EmailValidator**

/\*

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\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public class EmailValidator implements IValidation{

private static final String EMAIL\_PATTERN =

"^[\_A-Za-z0-9-\\+]+(\\.[\_A-Za-z0-9-]+)\*@"

+ "[A-Za-z0-9-]+(\\.[A-Za-z0-9]+)\*(\\.[A-Za-z]{2,})$";

@Override

public void Validate(Object data) {

try {

String email = (String) data;

if(email.equals("")){

throw new IllegalArgumentException("Email Field is empty");

}

if(email.length() >= 50){

throw new IllegalArgumentException("Email is too long");

}

if(!email.matches(EMAIL\_PATTERN)){

throw new IllegalArgumentException("Email incorrect");

}

} catch (ClassCastException e) {

throw new IllegalArgumentException("Email is not of type string");

}

}

}

# **NameValidator**

/\*

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\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public class NameValidator implements IValidation{

@Override

public void Validate(Object data) {

try{

String name = (String) data;//Check on string

if(name.equals("")){

throw new IllegalArgumentException("Name Field is empty");

}

if(name.length() == 50){

throw new IllegalArgumentException("Name is too long");

}

}catch(ClassCastException e){

throw new IllegalArgumentException("Name is not of type string");

}

}

}

# **PhoneValidator**

/\*

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\*/

package validators;

import java.util.regex.Pattern;

/\*\*

\*

\* @author roman

\*/

public class PhoneValidator implements IValidation {

private Pattern pattern = Pattern.compile("-?\\d+(\\.\\d+)?");

public boolean isNumeric(String strNum) {

if (strNum == null) {

return false;

}

return pattern.matcher(strNum).matches();

}

@Override

public void Validate(Object data) {

try{

String phone = (String) data;//check on string

if(phone.equals("")){

throw new IllegalArgumentException("Phone Field is empty");

}

if(!isNumeric(phone)){

throw new IllegalArgumentException("Phone is not numeric");

}

if(phone.length() > 15){

throw new IllegalArgumentException("Phone is too long");

}

}catch(ClassCastException e){

throw new IllegalArgumentException("Phone is not of type string");

}

}

}

# **PwdValidator**

/\*

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\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public class PwdValidator implements IValidation{

@Override

public void Validate(Object data) {

try{

String pwd = (String) data;

if(pwd.equals("")){

throw new IllegalArgumentException("Password Field is empty");

}

if(pwd.length() == 12){

throw new IllegalArgumentException("Password is too long");

}

}catch (ClassCastException e) {

throw new IllegalArgumentException("Password is not of type string");

}

}

}

# **NewPasswordValidator**

/\*

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\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public class NewPasswordValidator implements IValidation{

@Override

public void Validate(Object data) {

try{

String pwd = (String) data;

if(pwd.equals("")){

throw new IllegalArgumentException("New Password Field is empty");

}

if(pwd.length() == 12){

throw new IllegalArgumentException("New Password is too long");

}

}catch (ClassCastException e) {

throw new IllegalArgumentException("New Password is not of type string");

}

}

}

# **DebtValidator**

/\*

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\*/

package validators;

import java.util.regex.Pattern;

/\*\*

\*

\* @author roman

\*/

public class DebtValidator implements IValidation{

private Pattern pattern = Pattern.compile("-?\\d+(\\.\\d+)?");

public boolean isNumeric(String strNum) {

if (strNum == null) {

return false;

}

return pattern.matcher(strNum).matches();

}

@Override

public void Validate(Object data) {

try{

String debt = (String) data;//check on string

if(debt.equals("")){

throw new IllegalArgumentException("Debt Field is empty");

}

if(!isNumeric(debt)) {

throw new IllegalArgumentException("Debt is not numeric");

}

if(debt.length() > 6){

throw new IllegalArgumentException("Debt is too long");

}

}catch(ClassCastException e){

throw new IllegalArgumentException("Debt is not of type string");

}

}

}

# **AmtValidator**

/\*

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\*/

package validators;

import java.util.regex.Pattern;

/\*\*

\*

\* @author roman

\*/

public class AmtValidator implements IValidation{

private Pattern pattern = Pattern.compile("-?\\d+(\\.\\d+)?");

public boolean isNumeric(String strNum) {

if (strNum == null) {

return false;

}

return pattern.matcher(strNum).matches();

}

@Override

public void Validate(Object data) {

try {

String amount = (String) data;

if(amount.equals("")){

throw new IllegalArgumentException("Amount Field is empty");

}

if(!isNumeric(amount)) {

throw new IllegalArgumentException("Amount is not numeric");

}

if(amount.length() >= 10){

throw new IllegalArgumentException("Amount is too long");

}

} catch (ClassCastException e) {

throw new IllegalArgumentException("Amount is not of type string");

}

}

}

# **CityValidator**

/\*

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\*/

package validators;

/\*\*

\*

\* @author roman

\*/

public class CityValidator implements IValidation{

@Override

public void Validate(Object data) {

try{

String city = (String) data;//Check on string

if(city.equals("")){

throw new IllegalArgumentException("City Field is empty");

}

if(city.length() == 20){

throw new IllegalArgumentException("City field is too long");

}

}catch(ClassCastException e){

throw new IllegalArgumentException("City field is not of type string");

}

}

}

# **ClassValidator**

/\*

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\*/

package validators;

import java.util.regex.Pattern;

/\*\*

\*

\* @author roman

\*/

public class ClassValidator implements IValidation{

private Pattern pattern = Pattern.compile("-?\\d+(\\.\\d+)?");

public boolean isNumeric(String strNum) {

if (strNum == null) {

return false;

}

return pattern.matcher(strNum).matches();

}

@Override

public void Validate(Object data) {

try{

String clas = (String) data;//check on string

if(clas.equals("")){

throw new IllegalArgumentException("Class Field is empty");

}

if(!isNumeric(clas)) {

throw new IllegalArgumentException("Class is not numeric");

}

if(clas.length() > 2){

throw new IllegalArgumentException("Class is too long");

}

}catch(ClassCastException e){

throw new IllegalArgumentException("Class is not of type string");

}

}

}