/\*

\* 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 CourseRegistration;

/\*\*

\*

\* @author Nibir

\*/

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class RegistrationJFrame extends javax.swing.JFrame {

/\*\*

\*

\* Creates new form SaleApp

\*/

RegisterCourseController rcc;

public RegistrationJFrame() {

initComponents();

rcc = new RegisterCourseController();

setLocationRelativeTo(null);

}

/\*\*

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

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

btnNewRegistration = new javax.swing.JButton();

labelCourseID = new javax.swing.JLabel();

textFieldCourseID = new javax.swing.JTextField();

btnAddCourse = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

registrationTable = new javax.swing.JTable();

labelTotal = new javax.swing.JLabel();

textFieldTotal = new javax.swing.JTextField();

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

btnNewRegistration.setText("New Registration");

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

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

btnNewRegistrationActionPerformed(evt);

}

});

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

labelCourseID.setText("Course ID:");

textFieldCourseID.setName(""); // NOI18N

btnAddCourse.setText("Add Course");

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

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

btnAddCourseActionPerformed(evt);

}

});

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

new Object [][] {

},

new String [] {

"SL #", "Course Title", "Credit", "Tution/Credit", "Sub Total", "Course ID"

}

));

jScrollPane1.setViewportView(registrationTable);

labelTotal.setFont(new java.awt.Font("Tahoma", 1, 11));

labelTotal.setText("Total:");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(16, 16, 16)

.addComponent(labelCourseID)

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

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

.addComponent(textFieldCourseID, javax.swing.GroupLayout.PREFERRED\_SIZE, 107, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnAddCourse)

.addComponent(btnNewRegistration)

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

.addGroup(layout.createSequentialGroup()

.addComponent(labelTotal)

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

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 375, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(20, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(btnNewRegistration)

.addGap(18, 18, 18)

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

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

.addComponent(labelCourseID))

.addGap(18, 18, 18)

.addComponent(btnAddCourse)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 132, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

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

.addComponent(labelTotal))

.addContainerGap(35, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

textFieldCourseID.setText("");

textFieldTotal.setText("");

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

int rc = model.getRowCount();

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

model.removeRow(0);

}

rcc.makeNewRegistration();

}

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

// TODO add your handling code here:

if(!textFieldCourseID.getText().equals("")){

try{

if (textFieldCourseID.getText().equals("CSE 327")) {

String id = textFieldCourseID.getText();

rcc.addCourse(id);

updateTable();

} else {

JOptionPane.showMessageDialog(null, "Enter Valid Course ID");

}

}catch(Exception ex){

JOptionPane.showMessageDialog(null, "Enter Course ID");

textFieldCourseID.setText("");

}

}else{

JOptionPane.showMessageDialog(null, "You have to fill-up the form.");

}

}

private void updateTable() {

try{

CourseFactory courseFactory = new CourseFactory();

Course course = courseFactory.cList.get(rcc.registration.courseList.size()-1);

Object[] row = { rcc.registration.courseList.size(), course.getTitle(),

course.getCredit(), course.getTuitionPerCredit(),

course.getSubTotal(), course.getId()

};

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

model.addRow(row);

updateTotal();

}catch(Exception ex){

JOptionPane.showMessageDialog(null, "Registration on specific course exceeds limit.");

}

}

private void updateTotal() {

textFieldTotal.setText(String.valueOf(rcc.registration.getTotal()));

}

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnAddCourse;

private javax.swing.JButton btnNewRegistration;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JLabel labelCourseID;

private javax.swing.JLabel labelTotal;

private javax.swing.JTable registrationTable;

private javax.swing.JTextField textFieldCourseID;

private javax.swing.JTextField textFieldTotal;

// End of variables declaration

}