|  |
| --- |
| /\* |
|  | \* 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 studentmanagement; |
|  |  |
|  | import java.sql.Connection; |
|  | import java.sql.DriverManager; |
|  | import java.sql.PreparedStatement; |
|  | import java.sql.ResultSet; |
|  | import java.sql.SQLException; |
|  | import java.sql.Statement; |
|  | import java.util.logging.Level; |
|  | import java.util.logging.Logger; |
|  | import javax.swing.JOptionPane; |
|  |  |
|  | /\*\* |
|  | \* |
|  | \* @author acer |
|  | \*/ |
|  | public class InsertRecord extends javax.swing.JFrame { |
|  |  |
|  |  |
|  | String rollNo; |
|  | String fName; |
|  | String lName; |
|  | String mobile; |
|  | String age; |
|  | String div=null; |
|  |  |
|  |  |
|  |  |
|  | public InsertRecord() { |
|  |  |
|  | setLocation(450,250); |
|  | setVisible(true); |
|  |  |
|  | initComponents(); |
|  |  |
|  | listDiv.addItem("Select Division"); |
|  | listDiv.addItem("A"); |
|  | listDiv.addItem("B"); |
|  | listDiv.addItem("C"); |
|  |  |
|  | } |
|  |  |
|  | @SuppressWarnings("unchecked") |
|  | // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents |
|  | private void initComponents() { |
|  |  |
|  | jLabel1 = new javax.swing.JLabel(); |
|  | jLabel2 = new javax.swing.JLabel(); |
|  | jLabel3 = new javax.swing.JLabel(); |
|  | jLabel4 = new javax.swing.JLabel(); |
|  | tfMobile = new javax.swing.JTextField(); |
|  | tfFName = new javax.swing.JTextField(); |
|  | tfLName = new javax.swing.JTextField(); |
|  | listDiv = new javax.swing.JComboBox<>(); |
|  | jLabel5 = new javax.swing.JLabel(); |
|  | tfRollNo = new javax.swing.JTextField(); |
|  | insert = new javax.swing.JButton(); |
|  | jLabel6 = new javax.swing.JLabel(); |
|  | tfAge = new javax.swing.JTextField(); |
|  | jLabel7 = new javax.swing.JLabel(); |
|  | home = new javax.swing.JButton(); |
|  | view = new javax.swing.JButton(); |
|  |  |
|  | setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE); |
|  |  |
|  | jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N |
|  | jLabel1.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel1.setText("Last Name"); |
|  |  |
|  | jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N |
|  | jLabel2.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel2.setText("First Name"); |
|  |  |
|  | jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N |
|  | jLabel3.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel3.setText("Mobile Number"); |
|  |  |
|  | jLabel4.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N |
|  | jLabel4.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel4.setText("Div"); |
|  |  |
|  | tfMobile.setForeground(new java.awt.Color(0, 102, 204)); |
|  | tfMobile.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | tfMobileActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | tfFName.setForeground(new java.awt.Color(0, 102, 204)); |
|  | tfFName.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | tfFNameActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | tfLName.setForeground(new java.awt.Color(0, 102, 204)); |
|  | tfLName.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | tfLNameActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | listDiv.setForeground(new java.awt.Color(0, 102, 204)); |
|  | listDiv.setModel(new javax.swing.DefaultComboBoxModel<>()); |
|  | listDiv.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | listDivActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N |
|  | jLabel5.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel5.setText("Roll No"); |
|  |  |
|  | tfRollNo.setFont(new java.awt.Font("Times New Roman", 1, 12)); // NOI18N |
|  | tfRollNo.setForeground(new java.awt.Color(0, 102, 204)); |
|  | tfRollNo.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | tfRollNoActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | insert.setBackground(new java.awt.Color(0, 102, 204)); |
|  | insert.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N |
|  | insert.setForeground(new java.awt.Color(255, 255, 255)); |
|  | insert.setText("Insert"); |
|  | insert.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | insertActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | jLabel6.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N |
|  | jLabel6.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel6.setText("Age"); |
|  |  |
|  | tfAge.setForeground(new java.awt.Color(0, 102, 204)); |
|  | tfAge.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | tfAgeActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N |
|  | jLabel7.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel7.setText("School Management"); |
|  |  |
|  | home.setBackground(new java.awt.Color(0, 102, 204)); |
|  | home.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N |
|  | home.setForeground(new java.awt.Color(255, 255, 255)); |
|  | home.setText("Home"); |
|  | home.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | homeActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | view.setBackground(new java.awt.Color(0, 102, 204)); |
|  | view.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N |
|  | view.setForeground(new java.awt.Color(255, 255, 255)); |
|  | view.setText("View"); |
|  | view.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | viewActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | 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() |
|  | .addComponent(home) |
|  | .addGap(43, 43, 43) |
|  | .addComponent(jLabel7) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 70, Short.MAX\_VALUE) |
|  | .addComponent(view) |
|  | .addGap(19, 19, 19)) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGap(61, 61, 61) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addComponent(insert, javax.swing.GroupLayout.PREFERRED\_SIZE, 269, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(jLabel3) |
|  | .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addGap(49, 49, 49) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false) |
|  | .addComponent(tfMobile) |
|  | .addComponent(tfLName, javax.swing.GroupLayout.DEFAULT\_SIZE, 121, Short.MAX\_VALUE) |
|  | .addComponent(tfFName, javax.swing.GroupLayout.DEFAULT\_SIZE, 121, Short.MAX\_VALUE) |
|  | .addComponent(listDiv, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addComponent(tfAge, javax.swing.GroupLayout.PREFERRED\_SIZE, 66, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(tfRollNo, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, 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() |
|  | .addContainerGap() |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(jLabel7) |
|  | .addComponent(home) |
|  | .addComponent(view)) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGap(30, 30, 30) |
|  | .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED) |
|  | .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED) |
|  | .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addGap(10, 10, 10)) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE) |
|  | .addComponent(tfRollNo, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addGap(18, 18, 18) |
|  | .addComponent(tfFName, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED) |
|  | .addComponent(tfLName, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(tfMobile, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(listDiv, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 8, Short.MAX\_VALUE) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(tfAge, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addGap(18, 18, 18) |
|  | .addComponent(insert, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addContainerGap()) |
|  | ); |
|  |  |
|  | pack(); |
|  | }// </editor-fold>//GEN-END:initComponents |
|  |  |
|  | private void tfMobileActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_tfMobileActionPerformed |
|  | // TODO add your handling code here: |
|  | }//GEN-LAST:event\_tfMobileActionPerformed |
|  |  |
|  | private void tfFNameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_tfFNameActionPerformed |
|  | // TODO add your handling code here: |
|  | }//GEN-LAST:event\_tfFNameActionPerformed |
|  |  |
|  | private void tfLNameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_tfLNameActionPerformed |
|  | // TODO add your handling code here: |
|  | }//GEN-LAST:event\_tfLNameActionPerformed |
|  |  |
|  | private void tfRollNoActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_tfRollNoActionPerformed |
|  | // TODO add your handling code here: |
|  | }//GEN-LAST:event\_tfRollNoActionPerformed |
|  |  |
|  | private void insertActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_insertActionPerformed |
|  | // TODO add your handling code here |
|  |  |
|  | Connection con=null; |
|  | PreparedStatement ps; |
|  | ResultSet result=null; |
|  | Statement statement=null; |
|  |  |
|  |  |
|  | rollNo=tfRollNo.getText(); |
|  | fName=tfFName.getText(); |
|  | lName=tfLName.getText(); |
|  | mobile=tfMobile.getText(); |
|  | age=tfAge.getText(); |
|  |  |
|  | if(validateData()) |
|  | { |
|  |  |
|  | try { |
|  |  |
|  | //Creating Database Connection |
|  |  |
|  | con=DBConnection.connection(); |
|  |  |
|  | System.out.println("Connected"); |
|  |  |
|  |  |
|  | //Creating table if not exits |
|  |  |
|  | String sql="CREATE TABLE IF NOT EXISTS STUDENT\_DETAIL(ROLL\_NO INT PRIMARY KEY, FIRST\_NAME CHAR(20),LAST\_NAME CHAR(20),MOBILE BIGINT(10),DIVISION CHAR(5),AGE INT)"; |
|  |  |
|  |  |
|  | statement=con.createStatement(); |
|  | boolean b=statement.execute(sql); |
|  |  |
|  |  |
|  | String value="INSERT INTO STUDENT\_DETAIL VALUES(?,?,?,?,?,?)"; |
|  | ps=con.prepareStatement(value); |
|  |  |
|  | ps.setInt(1,Integer.parseInt(rollNo)); |
|  | ps.setString(2,fName); |
|  | ps.setString(3, lName); |
|  | ps.setDouble(4, Double.parseDouble(mobile)); |
|  | ps.setString(5, div); |
|  | ps.setInt(6,Integer.parseInt(age)); |
|  |  |
|  | boolean res=ps.execute(); |
|  |  |
|  | if(!res) |
|  | JOptionPane.showMessageDialog(null, "Record Inserted","Successful",JOptionPane.PLAIN\_MESSAGE); |
|  |  |
|  | else |
|  | { |
|  | JOptionPane.showMessageDialog(null, "Record Fail To Insert ","Fail",JOptionPane.ERROR\_MESSAGE); |
|  | } |
|  |  |
|  |  |
|  | } catch (Exception ex) { |
|  | JOptionPane.showMessageDialog(null, "Record Already Inserted ","Fail",JOptionPane.ERROR\_MESSAGE); |
|  | } |
|  |  |
|  | } |
|  | }//GEN-LAST:event\_insertActionPerformed |
|  |  |
|  | private void listDivActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_listDivActionPerformed |
|  |  |
|  | if(listDiv.getSelectedIndex()>0) |
|  | { |
|  | div=(String) listDiv.getSelectedItem(); |
|  | System.out.println(div); |
|  | } |
|  | }//GEN-LAST:event\_listDivActionPerformed |
|  |  |
|  | private void tfAgeActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_tfAgeActionPerformed |
|  |  |
|  | }//GEN-LAST:event\_tfAgeActionPerformed |
|  |  |
|  | private void viewActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_viewActionPerformed |
|  | // TODO add your handling code here: |
|  | dispose(); |
|  | ViewRecords view=new ViewRecords(); |
|  |  |
|  | }//GEN-LAST:event\_viewActionPerformed |
|  |  |
|  | private void homeActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_homeActionPerformed |
|  | // TODO add your handling code here: |
|  |  |
|  | dispose(); |
|  | Home school=new Home(); |
|  | }//GEN-LAST:event\_homeActionPerformed |
|  |  |
|  |  |
|  | // Variables declaration - do not modify//GEN-BEGIN:variables |
|  | private javax.swing.JButton home; |
|  | private javax.swing.JButton insert; |
|  | 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.JComboBox<String> listDiv; |
|  | private javax.swing.JTextField tfAge; |
|  | private javax.swing.JTextField tfFName; |
|  | private javax.swing.JTextField tfLName; |
|  | private javax.swing.JTextField tfMobile; |
|  | private javax.swing.JTextField tfRollNo; |
|  | private javax.swing.JButton view; |
|  | // End of variables declaration//GEN-END:variables |
|  |  |
|  | private boolean validateData() { |
|  |  |
|  |  |
|  | /\* rollNo=tfRollNo.getText(); |
|  | fName=tfFName.getText(); |
|  | lName=tfLName.getText(); |
|  | mobile=tfMobile.getText(); |
|  | age=tfAge.getText(); |
|  | \*/ |
|  |  |
|  | if(rollNo.isEmpty()) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Enter Roll No", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  | } |
|  |  |
|  | if(fName.isEmpty()) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Enter First Name", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  | } |
|  |  |
|  | if(lName.isEmpty()) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Enter Last Name", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  | } |
|  |  |
|  | if(mobile.isEmpty()) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Enter Mobile Number", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  | } |
|  |  |
|  | else if(mobile.length()<10) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Enter 10 Digit Mobile Number", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  | } |
|  |  |
|  | if(div==null) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Select Division", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  |  |
|  | } |
|  |  |
|  | if(age.isEmpty()) |
|  | { |
|  | JOptionPane.showMessageDialog(this, "Enter Age", "Field Required",JOptionPane.ERROR\_MESSAGE); |
|  | return false; |
|  | } |
|  |  |
|  | return true; |
|  | } |
|  | } |