|  |
| --- |
| /\* |
|  | \* 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.awt.Image; |
|  | import java.sql.Connection; |
|  | 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.Icon; |
|  | import javax.swing.ImageIcon; |
|  | import javax.swing.JOptionPane; |
|  |  |
|  | /\*\* |
|  | \* |
|  | \* @author acer |
|  | \*/ |
|  | public class StudentDetail extends javax.swing.JFrame { |
|  |  |
|  | String FNAME,LNAME,AGE,MOBILE,DIVISION; |
|  |  |
|  | public StudentDetail(String ROLL\_NO) throws SQLException { |
|  |  |
|  | initComponents(); |
|  |  |
|  | setLocation(450,250); |
|  |  |
|  | disableAll(); |
|  |  |
|  | setVisible(true); |
|  | /\*Image img=new ImageIcon(this.getClass().getResource("/student\_icon.png")).getImage(); |
|  | icon.setIcon((Icon) img); |
|  | \*/ |
|  |  |
|  |  |
|  | databaseFetchValue(ROLL\_NO); |
|  | } |
|  | @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(); |
|  | jLabel5 = new javax.swing.JLabel(); |
|  | fName = new javax.swing.JTextField(); |
|  | lName = new javax.swing.JTextField(); |
|  | mobile = new javax.swing.JTextField(); |
|  | division = new javax.swing.JTextField(); |
|  | age = new javax.swing.JTextField(); |
|  | edit = new javax.swing.JButton(); |
|  | save = new javax.swing.JButton(); |
|  | delete = new javax.swing.JButton(); |
|  | jLabel6 = new javax.swing.JLabel(); |
|  | rollNo = new javax.swing.JLabel(); |
|  |  |
|  | setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE); |
|  |  |
|  | jLabel1.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel1.setText("First Name"); |
|  |  |
|  | jLabel2.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel2.setText("Last Name"); |
|  |  |
|  | jLabel3.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel3.setText("Division"); |
|  |  |
|  | jLabel4.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel4.setText("Mobile"); |
|  |  |
|  | jLabel5.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel5.setText("Age"); |
|  |  |
|  | fName.setForeground(new java.awt.Color(0, 102, 204)); |
|  |  |
|  | lName.setForeground(new java.awt.Color(0, 102, 204)); |
|  |  |
|  | mobile.setForeground(new java.awt.Color(0, 102, 204)); |
|  |  |
|  | division.setForeground(new java.awt.Color(0, 102, 204)); |
|  | division.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | divisionActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | age.setForeground(new java.awt.Color(0, 102, 204)); |
|  | age.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | ageActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | edit.setBackground(new java.awt.Color(0, 102, 204)); |
|  | edit.setForeground(new java.awt.Color(255, 255, 255)); |
|  | edit.setText("Edit"); |
|  | edit.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | editActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | save.setBackground(new java.awt.Color(0, 102, 204)); |
|  | save.setForeground(new java.awt.Color(255, 255, 255)); |
|  | save.setText("Save"); |
|  | save.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | saveActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | delete.setBackground(new java.awt.Color(0, 102, 204)); |
|  | delete.setForeground(new java.awt.Color(255, 255, 255)); |
|  | delete.setText("Delete"); |
|  | delete.addActionListener(new java.awt.event.ActionListener() { |
|  | public void actionPerformed(java.awt.event.ActionEvent evt) { |
|  | deleteActionPerformed(evt); |
|  | } |
|  | }); |
|  |  |
|  | jLabel6.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N |
|  | jLabel6.setForeground(new java.awt.Color(0, 102, 204)); |
|  | jLabel6.setText("Roll No"); |
|  |  |
|  | rollNo.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N |
|  | rollNo.setForeground(new java.awt.Color(0, 102, 204)); |
|  | rollNo.setText("47"); |
|  |  |
|  | 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(28, 28, 28) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 81, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED) |
|  | .addComponent(rollNo)) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false) |
|  | .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE) |
|  | .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE) |
|  | .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE) |
|  | .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE) |
|  | .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 59, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(edit, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)) |
|  | .addGap(18, 18, 18) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addComponent(fName, javax.swing.GroupLayout.PREFERRED\_SIZE, 122, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(lName, javax.swing.GroupLayout.PREFERRED\_SIZE, 122, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(mobile, javax.swing.GroupLayout.PREFERRED\_SIZE, 122, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false) |
|  | .addComponent(age, javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addComponent(division, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addComponent(save, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)))) |
|  | .addGap(18, 18, 18) |
|  | .addComponent(delete) |
|  | .addGap(109, 109, 109)) |
|  | ); |
|  | layout.setVerticalGroup( |
|  | layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGap(40, 40, 40) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(rollNo)) |
|  | .addGap(18, 18, 18) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false) |
|  | .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGap(4, 4, 4) |
|  | .addComponent(fName, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE))) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false) |
|  | .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGap(4, 4, 4) |
|  | .addComponent(lName, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addGap(11, 11, 11) |
|  | .addComponent(mobile, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addGroup(layout.createSequentialGroup() |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED) |
|  | .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE))) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(division, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE) |
|  | .addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)) |
|  | .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 24, Short.MAX\_VALUE) |
|  | .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) |
|  | .addComponent(edit) |
|  | .addComponent(save) |
|  | .addComponent(delete)) |
|  | .addContainerGap()) |
|  | ); |

|  |
| --- |
| pack(); |
|  | }// </editor-fold>//GEN-END:initComponents |
|  |  |
|  | private void divisionActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_divisionActionPerformed |
|  | // TODO add your handling code here: |
|  | }//GEN-LAST:event\_divisionActionPerformed |
|  |  |
|  | private void ageActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ageActionPerformed |
|  | // TODO add your handling code here: |
|  | }//GEN-LAST:event\_ageActionPerformed |
|  |  |
|  | private void editActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_editActionPerformed |
|  | // TODO add your handling code here: |
|  | enableAll(); |
|  |  |
|  | }//GEN-LAST:event\_editActionPerformed |
|  |  |
|  | private void saveActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_saveActionPerformed |
|  | // TODO add your handling code here: |
|  |  |
|  | if(changeAvailable()) |
|  | { |
|  |  |
|  | updateData(); |
|  |  |
|  | } |
|  | else |
|  | { |
|  |  |
|  | JOptionPane.showMessageDialog(null,"Data Are Same","No Changes Found ",JOptionPane.INFORMATION\_MESSAGE); |
|  |  |
|  | } |
|  |  |
|  | }//GEN-LAST:event\_saveActionPerformed |
|  |  |
|  | private void deleteActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_deleteActionPerformed |
|  | // TODO add your handling code here |
|  |  |
|  | int ans=JOptionPane.showConfirmDialog(null,"Are You Sure?","Want to delete record",JOptionPane.YES\_NO\_OPTION); |
|  |  |
|  | if(ans==JOptionPane.YES\_OPTION) |
|  | { |
|  |  |
|  | try { |
|  |  |
|  | Connection con=DBConnection.connection(); |
|  | Statement st=con.createStatement(); |
|  |  |
|  | String SQL="DELETE FROM STUDENT\_DETAIL WHERE ROLL\_NO = '"+rollNo.getText()+"'"; |
|  | boolean result=st.execute(SQL); |
|  |  |
|  | if(!result) |
|  | { |
|  | JOptionPane.showMessageDialog(null, "Record Deleted","Successful",JOptionPane.INFORMATION\_MESSAGE); |
|  | dispose(); |
|  |  |
|  | ViewRecords view=new ViewRecords(); |
|  |  |
|  | } |
|  | else |
|  | { |
|  | JOptionPane.showMessageDialog(null, "Record Deletion Fail","Unsuccessful",JOptionPane.ERROR\_MESSAGE); |
|  | } |
|  | } catch (SQLException ex) { |
|  | Logger.getLogger(StudentDetail.class.getName()).log(Level.SEVERE, null, ex); |
|  | } |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | } |
|  |  |
|  | }//GEN-LAST:event\_deleteActionPerformed |
|  |  |
|  |  |
|  |  |
|  | // Variables declaration - do not modify//GEN-BEGIN:variables |
|  | private javax.swing.JTextField age; |
|  | private javax.swing.JButton delete; |
|  | private javax.swing.JTextField division; |
|  | private javax.swing.JButton edit; |
|  | private javax.swing.JTextField fName; |
|  | 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.JTextField lName; |
|  | private javax.swing.JTextField mobile; |
|  | private javax.swing.JLabel rollNo; |
|  | private javax.swing.JButton save; |
|  | // End of variables declaration//GEN-END:variables |
|  |  |
|  | private void databaseFetchValue(String ROLL\_NO) throws SQLException { |
|  |  |
|  |  |
|  | Connection con=DBConnection.connection(); |
|  |  |
|  | Statement statement=con.createStatement(); |
|  | String sql="SELECT \* FROM STUDENT\_DETAIL WHERE ROLL\_NO = '"+ROLL\_NO+"'"; |
|  | ResultSet result=statement.executeQuery(sql); |
|  |  |
|  | result.next(); |
|  |  |
|  | FNAME=result.getString("FIRST\_NAME"); |
|  | LNAME=result.getString("LAST\_NAME"); |
|  | MOBILE=result.getString("MOBILE"); |
|  | DIVISION=result.getString("DIVISION"); |
|  | AGE=result.getString("AGE"); |
|  | rollNo.setText(ROLL\_NO); |
|  | fName.setText(FNAME); |
|  | lName.setText(LNAME); |
|  | mobile.setText(MOBILE); |
|  | division.setText(DIVISION); |
|  | age.setText(AGE); |
|  |  |
|  | } |
|  |  |
|  | private boolean changeAvailable() { |
|  |  |
|  | String newFname=fName.getText(); |
|  | String newLname=lName.getText(); |
|  | String newMobile=mobile.getText(); |
|  | String newDivision=division.getText(); |
|  | String newAge=age.getText(); |
|  |  |
|  | if(!FNAME.equals(newFname)) |
|  | return true; |
|  |  |
|  | if(!LNAME.equals(newLname)) |
|  | return true; |
|  | if(!MOBILE.equals(newMobile)) |
|  | return true; |
|  |  |
|  | if(!DIVISION.equals(newDivision)) |
|  | return true; |
|  |  |
|  | if(!AGE.equals(newAge)) |
|  | return true; |
|  |  |
|  | return false; |
|  |  |
|  | } |
|  |  |
|  |  |
|  | private void updateData() { |
|  |  |
|  | try { |
|  | Connection con=DBConnection.connection(); |
|  |  |
|  | String sql="UPDATE STUDENT\_DETAIL SET FIRST\_NAME=? , LAST\_NAME=?, MOBILE=?, DIVISION=?, AGE=? WHERE ROLL\_NO='"+rollNo.getText()+"'"; |
|  | PreparedStatement ps=con.prepareStatement(sql); |
|  |  |
|  | ps.setString(1, fName.getText()); |
|  | ps.setString(2, lName.getText()); |
|  | ps.setDouble(3, Double.parseDouble(mobile.getText())); |
|  | ps.setString(4,division.getText()); |
|  | ps.setInt(5, Integer.parseInt(age.getText())); |
|  |  |
|  | boolean result=ps.execute(); |
|  |  |
|  | if(!result) |
|  | { |
|  | disableAll(); |
|  | JOptionPane.showMessageDialog(null, "Record Updated", "Successful", JOptionPane.PLAIN\_MESSAGE); |
|  | } |
|  | else |
|  | JOptionPane.showMessageDialog(null, "Record Updation Failed", "Fail", JOptionPane.ERROR\_MESSAGE); |
|  |  |
|  | } catch (SQLException ex) { |
|  | Logger.getLogger(StudentDetail.class.getName()).log(Level.SEVERE, null, ex); |
|  | } |
|  |  |
|  | } |
|  |  |
|  | private void disableAll() { |
|  |  |
|  | fName.setEditable(false); |
|  | lName.setEditable(false); |
|  | mobile.setEditable(false); |
|  | division.setEditable(false); |
|  | age.setEditable(false); |
|  | } |
|  |  |
|  | private void enableAll() |
|  | { |
|  | fName.setEditable(true); |
|  | lName.setEditable(true); |
|  | mobile.setEditable(true); |
|  | age.setEditable(true); |
|  | division.setEditable(true); |
|  | } |
|  | } |