Minor Project Report

on

[Admission Management System]

Submitted to

LOVELY PROFESSIONAL UNIVERSITY

in partial fulfilment of the requirements for the award of degree of

Master of Computer Applications

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[April 2023]

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Introduction about Project

An admission management system is a software application that is designed to automate the process of managing student admissions in educational institutions such as schools, colleges, and universities. The system provides a centralized platform for managing the admission process from application submission to enrolment.

The admission management system simplifies the admission process by eliminating manual tasks such as collecting and processing applications, managing documentation, and communicating with applicants. It streamlines the process by providing a user-friendly interface for applicants to submit their applications and for administrators to review and process them.

The system allows administrators to set up admission rules and criteria, manage application deadlines, and track the progress of applications. It also provides analytics and reporting features to help administrators make informed decisions about the admission process and identify areas for improvement.

The admission management system can also integrate with other systems such as student information systems, financial aid systems, and learning management systems, providing a seamless flow of data between systems.

Overall, an admission management system can help educational institutions save time and resources, improve the efficiency and accuracy of the admission process, and provide a better experience for applicants and administrators alike.

Project Modules and its description

Login Module:

The login module is responsible for managing user authentication to the admission management system. It includes a user interface that accepts the user's login credentials, such as username and password, and validates them against the user database. If the credentials are valid, the user is granted access to the system, and they are redirected to the home page. Otherwise, the system displays an error message, and the user is asked to re-enter the correct credentials. The login module should also include functionality to login using student id or admin.

Student Registration Module:

The student registration module is responsible for allowing new students to register for admission to the institution. It includes a user interface that allows the student to input their personal and academic details, such as name, address, phone number, date of birth and other relevant information. The module should also include form validation to ensure that the required fields are filled in correctly. Once the student has submitted their application, the system should store the student's details in the database and display a confirmation message.

Student Management Module:

The student management module is responsible for managing the existing students' data in the admission management system. It includes a user interface that displays a list of all the students in the system, along with their details. The module should allow authorized personnel to view, edit, or delete student records as required. The module should also provide search functionality to locate specific student records based on different search criteria, such as name, registration number, or academic program. Additionally, the module should include functionality to generate reports. Overall, the student management module streamlines the process of managing student data, allowing for efficient data management and reporting.

Coding

1. About.java

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
 */


/**
 *
 * @author chmn
 */
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() {

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 400, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 300, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>

    /**
     * @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
// End of variables declaration
```

```
}
```

2. AdminForm.java

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
 */

/**
 *
 * @author chmn
 */
public class AdminForm extends javax.swing.JFrame {

    /**
     * Creates new form AdminForm
     */
    public AdminForm() {
        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();
    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();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jTextField_id = new javax.swing.JTextField();
    jTextField_name = new javax.swing.JTextField();
    jTextField_fees = new javax.swing.JTextField();
    jDateChooser1_dob = new com.toedter.calendar.JDateChooser();
    label_photo = new javax.swing.JLabel();
    jButton_new = new javax.swing.JButton();
    jButton_save = new javax.swing.JButton();
    jButton_update = new javax.swing.JButton();
    jButton_delete = new javax.swing.JButton();
    jButton_photo = new javax.swing.JButton();
    jTextField_search = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jPanel1.setBackground(new java.awt.Color(51, 51, 51));
jPanel1.setForeground(new java.awt.Color(255, 255, 255));

jLabel1.setFont(new java.awt.Font("Helvetica Neue", 1, 36)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 153, 0));
jLabel1.setText("Lovely Professional University ");

jLabel2.setFont(new java.awt.Font("Helvetica Neue", 1, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Jalandhar, Punjab, India");

jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Search Student By Name");

jLabel4.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Admin Information");

jLabel5.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setText("Id:");

jLabel6.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
jLabel6.setForeground(new java.awt.Color(255, 255, 255));
jLabel6.setText("Admin Name:");

jLabel7.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
jLabel7.setForeground(new java.awt.Color(255, 255, 255));
```

```
        jLabel7.setText("Salary:");

        jLabel8.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("Date of Birth:");

        jLabel9.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("PHOTO");

        jTextField_id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField_idActionPerformed(evt);
            }
        });

        jDateChooser1_dob.setDateFormatString("dd-MM-yyyy");

        label_photo.setBackground(new java.awt.Color(255, 255, 255));
        label_photo.setForeground(new java.awt.Color(255, 255, 255));
        label_photo.setOpaque(true);

        jButton_new.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
        jButton_new.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-2/JAVA/Project/Admission_Management_System/src/main/java/images/images/check.png")); // NOI18N
        jButton_new.setText("New");

        jButton_save.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N
        jButton_save.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-2/JAVA/Project/Admission_Management_System/src/main/java/images/images/user_add.png")); // NOI18N
```

```
        jButton_save.setText("Insert/Save");

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

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

                jButton_saveActionPerformed(evt);

            }

        });


        jButton_update.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N

        jButton_update.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/sync.png")); // NOI18N

        jButton_update.setText("Update");

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

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

                jButton_updateActionPerformed(evt);

            }

        });


        jButton_delete.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N

        jButton_delete.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/erase.png")); // NOI18N

        jButton_delete.setText("Delete");


        jButton_photo.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); // NOI18N

        jButton_photo.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/folder_red.png")); // NOI18N

        jButton_photo.setText("Select the Photo");

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

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

                jButton_photoActionPerformed(evt);

            }

        });
```

```
jTextField_search.setText("jTextField1");


jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {


    },
    new String [] {
        "Id", "Student name", "Fees", "Date of Birth"
    }
));
jScrollPane1.setViewportView(jTable1);


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(130, 130, 130)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel6)
                .addComponent(jLabel7)
                .addComponent(jLabel8)
                .addComponent(jLabel5)
                .addComponent(jLabel9))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jButton_photo)
                .addGap(13, 13, 13)))
```

```
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(34, 34, 34)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jTextField_id)
                        .addComponent(jTextField_name)
                        .addComponent(jTextField_fees)
                        .addComponent(jDateChooser1_dob, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGap(98, 98, 98))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(label_photo, javax.swing.GroupLayout.PREFERRED_SIZE, 227,
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.LEADING)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                        .addComponent(jButton_update, javax.swing.GroupLayout.DEFAULT_SIZE, 178,
Short.MAX_VALUE)
                        .addComponent(jButton_delete, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jButton_save, javax.swing.GroupLayout.PREFERRED_SIZE, 1,
Short.MAX_VALUE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jTextField_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(49, 49, 49)))
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(1, 1, 1)
```

```
                .addComponent(jButton_new, javax.swing.GroupLayout.PREFERRED_SIZE, 177,
javax.swing.GroupLayout.PREFERRED_SIZE)))

            .addGap(20, 20, 20))

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addContainerGap()

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

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

                    .addComponent(jLabel4)

                    .addGap(285, 285, 285))

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

                    .addComponent(jLabel2)

                    .addGap(234, 234, 234))

                .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 815, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(0, 0, Short.MAX_VALUE))

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

            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 666,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addContainerGap())

    );

    jPanel1Layout.setVerticalGroup(

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

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

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

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(104, 104, 104)
```

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jTextField_id, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jButton_new, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel5))
                        .addGap(120, 120, 120))
                    .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jTextField_name, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jButton_save, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel6))
                        .addGap(43, 43, 43)))
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField_fees, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton_update, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel7))
                .addGap(45, 45, 45)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton_delete, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jDateChooser1_dob, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel8)))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel2)
```

```
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jLabel4)))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(71, 71, 71)
                        .addComponent(jLabel9)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jButton_photo, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(63, 63, 63)
                        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(26, 26, 26)
                        .addComponent(jTextField_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(39, 39, 39))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(label_photo, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)))
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 171,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(156, 156, 156))
        );

        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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 897,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>

    private void jTextField_idActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton_saveActionPerformed(java.awt.event.ActionEvent evt) {
        if((jTextField_id.getText()!=null || jTextField_name!=null || jTextField_fees!=null
            || jDateChooser1_dob!=null) && photopath!=null){
        try{
            if(conn!=null){
                String qry = "insert into students " + "(id, name, fees, dob, photo) values (?, ?, ?, ?, ?)";
                stmt = conn.prepareStatement(qry);
```

```
        stmt.setInt(1,Integer.parseInt(jTextField_id.getText())  );
        stmt.setString(2,jTextField_name.getText());
        stmt.setFloat(3,Float.parseFloat(jTextField_fees.getText()));
        SimpleDateFormat sdf = new SimpleDateFormat("dd-MM-yyyy");
        String dob1=sdf.format(jDateChooser1_dob.getDate());
        stmt.setString(4,dob1);
        InputStream is = new FileInputStream(new File(photopath));
        stmt.setBlob(5,is);
        int res = stmt.executeUpdate();

        if(res>=1){

           JOptionPane.showMessageDialog(null,"Student record inserted");

        }else{
           JOptionPane.showMessageDialog(null,"Insertion not done.");
        }
     }
}catch(Exception e){
    JOptionPane.showMessageDialog(null,e);
}

jTextField_id.setText("");
jTextField_name.setText("");
jTextField_fees.setText("");

}else{
    JOptionPane.showMessageDialog(null,"All Field are compulsory");
}
```

```
}

private void jButton_updateActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(jTextField_id!=null || jTextField_name!=null || jTextField_fees!=null
        || jDateChooser1_dob!=null){
        Connection conn= databaseConnection.connection();
        if(photopath==null){

            try{
                if(conn!=null){
                    String qry = "update students set name =?, fees=?, dob=? where id=?";
                    stmt = conn.prepareStatement(qry);

                    stmt.setString(1,jTextField_name.getText());
                    stmt.setFloat(2,Float.parseFloat(jTextField_fees.getText()));

                    SimpleDateFormat sdf = new SimpleDateFormat("dd-MM-yyyy");
                    String dob1=sdf.format(jDateChooser1_dob.getDate());
                    stmt.setString(3,dob1);
                    // stmt.setBlob(4,is);
                    stmt.setInt(4 ,Integer.parseInt(jTextField_id.getText())  );

                    //                  InputStream is = new FileInputStream(new File(photopath));
                    //                  stmt.setBlob(5,is);
                    int res = stmt.executeUpdate();

                    if(res>=1){
```

```
            JOptionPane.showMessageDialog(null,"Student record updated");


          }else{
            JOptionPane.showMessageDialog(null,"updation not done.");
          }
        }
    }catch(Exception e){
        JOptionPane.showMessageDialog(null,e);
    }

    jTextField_id.setText("");
    jTextField_name.setText("");
    jTextField_fees.setText("");

}else{ // update with photo
    try{
        InputStream is = new FileInputStream(new File(photopath));
        if(conn!=null){
            String qry = "update students set name =?, fees=?, dob=? where id=?";
            stmt = conn.prepareStatement(qry);

            stmt.setString(1,jTextField_name.getText());
            stmt.setFloat(2,Float.parseFloat(jTextField_fees.getText()));

            SimpleDateFormat sdf = new SimpleDateFormat("dd-MM-yyyy");
            String dob1=sdf.format(jDateChooser1_dob.getDate());
            stmt.setString(3,dob1);

            stmt.setBlob(4,is);
```

```
                stmt.setInt(5 ,Integer.parseInt(jTextField_id.getText()));

                int res = stmt.executeUpdate();

                if(res>=1){

                   JOptionPane.showMessageDialog(null,"Student record updated");

                }else{
                   JOptionPane.showMessageDialog(null,"updation not done.");
                }
              }
            }catch(Exception e){
              JOptionPane.showMessageDialog(null,e);
            }

            jTextField_id.setText("");
            jTextField_name.setText("");
            jTextField_fees.setText("");

          }

      }else
      JOptionPane.showMessageDialog(null,"Student Updatipn failed");
  }

  private void jButton_photoActionPerformed(java.awt.event.ActionEvent evt) {
      // TODO add your handling code here:
```

```
    JFileChooser chooser = new JFileChooser() ;
    chooser.setCurrentDirectory(new File(System.getProperty("user.home")));
    FileNameExtensionFilter fnef = new FileNameExtensionFilter("*.images","jpg","png");
    chooser.addChoosableFileFilter(fnef);
    int ans = chooser.showSaveDialog(null);
    if(ans==JFileChooser.APPROVE_OPTION){
        File selectedPhoto = chooser.getSelectedFile();
        String path = selectedPhoto.getAbsolutePath();
        label_photo.setIcon(resetImageSize( path,null));
        this.photopath = path;

    }

}

/**
 * @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(AdminForm.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(AdminForm.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(AdminForm.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(AdminForm.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 AdminForm().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton_delete;
private javax.swing.JButton jButton_new;
private javax.swing.JButton jButton_photo;
private javax.swing.JButton jButton_save;
private javax.swing.JButton jButton_update;
```

```
    private com.toedter.calendar.JDateChooser jDateChooser1_dob;
    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.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    private javax.swing.JTextField jTextField_fees;
    private javax.swing.JTextField jTextField_id;
    private javax.swing.JTextField jTextField_name;
    private javax.swing.JTextField jTextField_search;
    private javax.swing.JLabel label_photo;
    // End of variables declaration
}
```

3.Add Student

```
import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */
```

```
/**
 *
 * @author chmn
 */
public class addStudent extends javax.swing.JFrame {

    /**
     * Creates new form addStudent
     *
     */
    Connection conn = null;
    Statement stmt = null;
    ResultSet rs = null;

    public addStudent() {
        super("Add Student");
        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">//GEN-
BEGIN:initComponents
    private void initComponents() {
        java.awt.GridBagConstraints gridBagConstraints;

        jPanel1 = new javax.swing.JPanel();
        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();
        jLabel6 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        fatherName = new javax.swing.JTextField();
        city = new javax.swing.JTextField();
        blood = new javax.swing.JComboBox<>();
        phone = new javax.swing.JTextField();
        course = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = 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();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(51, 51, 51));
```

```
        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Add Student", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Helvetica Neue", 1, 24), new java.awt.Color(255, 255, 255)));
// NOI18N
        jPanel1.setLayout(new java.awt.GridBagLayout());

        jLabel1.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Name");
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 0;
        gridBagConstraints.gridy = 0;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(117, 109, 0, 0);
        jPanel1.add(jLabel1, gridBagConstraints);

        jLabel2.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Father's Name");
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 0;
        gridBagConstraints.gridy = 2;
        gridBagConstraints.gridwidth = 6;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(40, 109, 0, 0);
        jPanel1.add(jLabel2, gridBagConstraints);

        jLabel3.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("City");
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 0;
        gridBagConstraints.gridy = 3;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(44, 109, 0, 0);
        jPanel1.add(jLabel3, gridBagConstraints);

        jLabel4.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("Blood");
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 0;
        gridBagConstraints.gridy = 5;
        gridBagConstraints.gridwidth = 3;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(42, 109, 0, 0);
        jPanel1.add(jLabel4, gridBagConstraints);

        jLabel5.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("Phone");
        gridBagConstraints = new java.awt.GridBagConstraints();
```

```
        gridBagConstraints.gridx = 0;
        gridBagConstraints.gridy = 7;
        gridBagConstraints.gridwidth = 4;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(51, 109, 0, 0);
        jPanel1.add(jLabel5, gridBagConstraints);

        jLabel6.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("Course");
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 0;
        gridBagConstraints.gridy = 9;
        gridBagConstraints.gridwidth = 5;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(52, 109, 0, 0);
        jPanel1.add(jLabel6, gridBagConstraints);
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 0;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.gridheight = 2;
        gridBagConstraints.ipadx = 116;
        gridBagConstraints.ipady = 7;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(112, 71, 0, 0);
        jPanel1.add(name, gridBagConstraints);

        fatherName.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                fatherNameActionPerformed(evt);
            }
        });
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 2;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.ipadx = 116;
        gridBagConstraints.ipady = 7;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(28, 71, 0, 0);
        jPanel1.add(fatherName, gridBagConstraints);
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 3;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.gridheight = 2;
        gridBagConstraints.ipadx = 116;
        gridBagConstraints.ipady = 7;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(39, 71, 0, 0);
        jPanel1.add(city, gridBagConstraints);

        blood.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"A", "B", "AB", "A+", "B+" }));
        blood.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                bloodActionPerformed(evt);
```

```
            }
        });
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 5;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.gridheight = 2;
        gridBagConstraints.ipadx = 108;
        gridBagConstraints.ipady = 7;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(36, 71, 0, 0);
        jPanel1.add(blood, gridBagConstraints);
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 7;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.gridheight = 2;
        gridBagConstraints.ipadx = 116;
        gridBagConstraints.ipady = 7;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(46, 71, 0, 0);
        jPanel1.add(phone, gridBagConstraints);
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 9;
        gridBagConstraints.gridwidth = 2;
        gridBagConstraints.gridheight = 2;
        gridBagConstraints.ipadx = 116;
        gridBagConstraints.ipady = 7;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(47, 71, 0, 0);
        jPanel1.add(course, gridBagConstraints);

        jButton1.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/submit.png"))
; // NOI18N
        jButton1.setText("Submit");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 6;
        gridBagConstraints.gridy = 11;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(28, 23, 5, 0);
        jPanel1.add(jButton1, gridBagConstraints);

        jButton2.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/back.png"));
// NOI18N
        jButton2.setText("Back");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
```

```
        });
        gridBagConstraints = new java.awt.GridBagConstraints();
        gridBagConstraints.gridx = 7;
        gridBagConstraints.gridy = 11;
        gridBagConstraints.gridwidth = 3;
        gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
        gridBagConstraints.insets = new java.awt.Insets(28, 66, 5, 81);
        jPanel1.add(jButton2, gridBagConstraints);

        jMenu1.setText("File");


jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_H, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem1.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/home.png"));
// NOI18N
        jMenuItem1.setText("Home");
        jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem1ActionPerformed(evt);
            }
        });
        jMenu1.add(jMenuItem1);


jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_L, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem2.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/logout.png"))
; // NOI18N
        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("Edit");


jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_A, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem3.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/about.png"));
// NOI18N
        jMenuItem3.setText("About");
        jMenuItem3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem3ActionPerformed(evt);
            }
        });
        jMenu2.add(jMenuItem3);
```

```
        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, 567, Short.MAX_VALUE)
                .addContainerGap())
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addGap(0, 6, Short.MAX_VALUE)
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 594,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        setSize(new java.awt.Dimension(563, 652));
        setLocationRelativeTo(null);
    }// </editor-fold>//GEN-END:initComponents

    private void fatherNameActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_fatherNameActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_fatherNameActionPerformed

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem1ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem1ActionPerformed

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        login object = new login();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem2ActionPerformed

    private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem3ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        About object = new About();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem3ActionPerformed
```

```
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
        // TODO add your handling code here:
        try{
            stmt = conn.createStatement();
            String stdName = name.getText();
            String stdBlood = (String) blood.getSelectedItem();
            String stdFatherName = fatherName.getText();
            String stdCity = city.getText();
            String stdPhone = phone.getText();
            String stdCourse = course.getText();

            String sql = "INSERT INTO STUDENT(stdName, stdFatherName,
stdBlood, stdPhone, stdCity, stdCourse) VALUES('"+stdName+"',
'"+stdFatherName+"','"+stdBlood+"', '"+stdPhone+"','"+stdCity+"',
'"+stdCourse+"')";
            stmt.executeUpdate(sql);
            JOptionPane.showMessageDialog(null,"Data is Successfully
inserted");

        }catch(HeadlessException | SQLException e){
          JOptionPane.showMessageDialog(null,e);
        }
    }//GEN-LAST:event_jButton1ActionPerformed

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed
        // TODO add your handling code here:
                 setVisible(false);
               home object = new home();
               object.setVisible(true);
    }//GEN-LAST:event_jButton2ActionPerformed

    private void bloodActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_bloodActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_bloodActionPerformed

    /**
     * @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//GEN-BEGIN:variables
    private javax.swing.JComboBox<String> blood;
    private javax.swing.JTextField city;
    private javax.swing.JTextField course;
    private javax.swing.JTextField fatherName;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    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.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.JTextField name;
    private javax.swing.JTextField phone;
    // End of variables declaration//GEN-END:variables
}
```

4.Admin

```
import javax.swing.JFrame;
import javax.swing.JOptionPane;

/*
```

```
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author chmn
 */
public class admin extends JFrame {

    /**
     * Creates new form admin
     */
    public admin() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the
form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        mail = new javax.swing.JTextField();
        password = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton11 = new javax.swing.JButton();
        jButton12 = new javax.swing.JButton();
        jLabel13 = new javax.swing.JLabel();
        name5 = new javax.swing.JTextField();
        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();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(51, 51, 51));
        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED),
"Admin", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Helvetica Neue", 1, 14), new java.awt.Color(255, 255, 255)));
```

```
// NOI18N
        jPanel1.setForeground(new java.awt.Color(255, 255, 255));

        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Name");

        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("Email");

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

        jButton1.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/submit.png"))
; // NOI18N
        jButton1.setText("Submit");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/back.png"));
// NOI18N
        jButton2.setText("Back");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton11.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/loupe.png"));
// NOI18N
        jButton11.setText("Search");

        jButton12.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/cancel1.png")
); // NOI18N
        jButton12.setText("Delete");

        jLabel13.setForeground(new java.awt.Color(255, 255, 255));
        jLabel13.setText("ID");

        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(105, 105, 105)
                .addComponent(jButton1)
                .addGap(18, 18, 18)
```

```
                .addComponent(jButton12)
                .addGap(18, 18, 18)
                .addComponent(jButton2)
                .addContainerGap(37, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(67, 67, 67)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addComponent(jLabel3)
                    .addComponent(jLabel2)
                    .addComponent(jLabel4)
                    .addComponent(jLabel13))
                .addGap(34, 34, 34)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING, false)
                    .addComponent(name5,
javax.swing.GroupLayout.DEFAULT_SIZE, 181, Short.MAX_VALUE)
                    .addComponent(name)
                    .addComponent(mail)
                    .addComponent(password))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton11)
                .addGap(16, 16, 16))
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(19, 19, 19)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(jLabel13)
                    .addComponent(name5,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton11))
                .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(jLabel3)
                    .addComponent(mail,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(password,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel4))
                .addGap(40, 40, 40)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jButton2)
                    .addComponent(jButton12))
                .addContainerGap(14, Short.MAX_VALUE))
        );

        jMenu1.setText("File");


jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_H, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem1.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/home.png"));
// NOI18N
        jMenuItem1.setText("Home");
        jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem1ActionPerformed(evt);
            }
        });
        jMenu1.add(jMenuItem1);


jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_L, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem2.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/logout.png"))
; // NOI18N
        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("Edit");


jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_A, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem3.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/about.png"));
// NOI18N
```

```
        jMenuItem3.setText("About");
        jMenuItem3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem3ActionPerformed(evt);
            }
        });
        jMenu2.add(jMenuItem3);

        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()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(20, 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(500, 357));
        setLocationRelativeTo(null);
    }// </editor-fold>//GEN-END:initComponents

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem1ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem1ActionPerformed

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        login object = new login();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem2ActionPerformed

    private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem3ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        About object = new About();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem3ActionPerformed
```

```
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
        // TODO add your handling code here:
        try{
            stmt = conn.createStatement();

            String adminName = name.getText();
            String adminMail = mail.getText();
            String adminPass = new String(password.getPassword());

            String sql = "INSERT INTO ADMIN(mail, password, name)
values('"+adminName+"','"+adminMail+"','"+adminPass+"') ";
            stmt.executeUpdate(sql);
            JOptionPane.showMessageDialog(null,"Data Insert successfully");
        }catch(Exception e){JOptionPane.showMessageDialog(null,e);}
    }//GEN-LAST:event_jButton1ActionPerformed

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jButton2ActionPerformed

    /**
     * @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.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
```

```
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new admin().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton10;
    private javax.swing.JButton jButton11;
    private javax.swing.JButton jButton12;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JButton jButton6;
    private javax.swing.JButton jButton7;
    private javax.swing.JButton jButton8;
    private javax.swing.JButton jButton9;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    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.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.JTextField mail;
    private javax.swing.JTextField mail1;
    private javax.swing.JTextField mail2;
    private javax.swing.JTextField name;
    private javax.swing.JTextField name1;
    private javax.swing.JTextField name2;
    private javax.swing.JTextField name3;
    private javax.swing.JTextField name4;
    private javax.swing.JTextField name5;
    private javax.swing.JPasswordField password;
```

```
    private javax.swing.JPasswordField password1;
    private javax.swing.JPasswordField password2;
    // End of variables declaration//GEN-END:variables
}
```

5.DataBase Connection

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import javax.swing.JOptionPane;

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit
this template
 */

/**
 *
 * @author chmn
 */
public class databaseConnection {

        final static String JDBC_DRIVER = "com.mysql.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(){
            try{
                Class.forName(JDBC_DRIVER);
                Connection conn =
DriverManager.getConnection(DB_URL,USER,PASS);
                JOptionPane.showMessageDialog(null,"Success");
                return conn;
            }catch(ClassNotFoundException | SQLException e)
            {
               JOptionPane.showMessageDialog(null,e);
               return null;
            }
        }
}
```

6.Home

```
import java.awt.Dimension;
import java.awt.Toolkit;
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
```

```
 *
 * @author chmn
 */
public class home extends javax.swing.JFrame {

    /**
     * Creates new form home
     */
    public home() {
        initComponents();
        centerFrame();
    }

    /**
     * This method is called from within the constructor to initialize the
form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jButton4 = new javax.swing.JButton();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jButton5 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        jButton7 = new javax.swing.JButton();
        jMenuBar1 = new javax.swing.JMenuBar();
        jMenu2 = new javax.swing.JMenu();
        jMenuItem3 = new javax.swing.JMenuItem();
        jMenu1 = new javax.swing.JMenu();
        jMenuItem1 = new javax.swing.JMenuItem();
        jMenuItem2 = new javax.swing.JMenuItem();

        jButton4.setText("jButton4");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(51, 51, 51));
        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Home", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Helvetica Neue", 1, 24), new java.awt.Color(255, 255, 255)));
// NOI18N

        jLabel1.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
```

```
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/logo.png"));
// NOI18N

        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("Add Student");

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

        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("Show Student");

        jButton1.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/addAdmin.png"
)); // NOI18N
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/configuration
1.png")); // NOI18N
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton3.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/showAdmin.png
")); // NOI18N
        jButton3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });

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

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

        jLabel10.setForeground(new java.awt.Color(255, 255, 255));
        jLabel10.setText("Show Admin");

        jButton5.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/AddStudent.pn
g")); // NOI18N
        jButton5.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton5ActionPerformed(evt);
```

```
            }
        });

        jButton6.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/configuration
.png")); // NOI18N
        jButton6.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton6ActionPerformed(evt);
            }
        });

        jButton7.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/showStudent.p
ng")); // NOI18N
        jButton7.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton7ActionPerformed(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)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(37, 37, 37)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                            .addComponent(jButton1)
                            .addComponent(jButton5))

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

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
                                .addGap(130, 130, 130)
                                .addComponent(jLabel6)
                                .addGap(183, 183, 183)
                                .addComponent(jLabel7))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
                                .addGap(90, 90, 90)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.TRAILING)
                                    .addComponent(jButton2)
                                    .addComponent(jButton6))
```

```
                                    .addGap(119, 119, 119)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                                        .addComponent(jButton7)
                                        .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(227, 227, 227)
                            .addComponent(jLabel1))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(66, 66, 66)
                            .addComponent(jLabel5))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(77, 77, 77)
                            .addComponent(jLabel8)
                            .addGap(187, 187, 187)
                            .addComponent(jLabel9)
                            .addGap(194, 194, 194)
                            .addComponent(jLabel10)))
                    .addContainerGap(52, Short.MAX_VALUE))
            );
            jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addContainerGap(23, Short.MAX_VALUE)
                    .addComponent(jLabel1)
                    .addGap(47, 47, 47)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                        .addComponent(jButton5)
                        .addComponent(jButton6)
                        .addComponent(jButton7))
                    .addGap(35, 35, 35)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                        .addComponent(jLabel5)
                        .addComponent(jLabel6)
                        .addComponent(jLabel7))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(51, 51, 51)
                            .addComponent(jButton1)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                                .addComponent(jLabel8)
                                .addComponent(jLabel9)
                                .addComponent(jLabel10)))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(36, 36, 36)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.TRAILING)
                                .addComponent(jButton3)
                                .addComponent(jButton2))))
                    .addGap(57, 57, 57))
            );

            jMenu2.setText("Edit");


jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_A, java.awt.event.InputEvent.META_DOWN_MASK));
            jMenuItem3.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/about.png"));
// NOI18N
            jMenuItem3.setText("About");
            jMenuItem3.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    jMenuItem3ActionPerformed(evt);
                }
            });
            jMenu2.add(jMenuItem3);

            jMenuBar1.add(jMenu2);

            jMenu1.setText("File");


jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_H, java.awt.event.InputEvent.META_DOWN_MASK));
            jMenuItem1.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/home.png"));
// NOI18N
            jMenuItem1.setText("Home");
            jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    jMenuItem1ActionPerformed(evt);
                }
            });
            jMenu1.add(jMenuItem1);


jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_L, java.awt.event.InputEvent.META_DOWN_MASK));
            jMenuItem2.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/logout.png"))
; // NOI18N
            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);

        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()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

        setBounds(0, 0, 729, 750);
    }// </editor-fold>//GEN-END:initComponents

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        addAdmin object = new addAdmin();
        object.setVisible(true);
    }//GEN-LAST:event_jButton2ActionPerformed

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton5ActionPerformed
        // TODO add your handling code here:
               setVisible(false);
               addStudent object = new addStudent();
               object.setVisible(true);
    }//GEN-LAST:event_jButton5ActionPerformed

    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton7ActionPerformed
        // TODO add your handling code here:
                setVisible(false);
               showStudent object = new showStudent();
               object.setVisible(true);
    }//GEN-LAST:event_jButton7ActionPerformed

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        login object = new login();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem2ActionPerformed
```

```
    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem1ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem1ActionPerformed

    private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem3ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        About object = new About();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem3ActionPerformed

    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton6ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        student object = new student();
        object.setVisible(true);
    }//GEN-LAST:event_jButton6ActionPerformed

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        admin object = new admin();
        object.setVisible(true);
    }//GEN-LAST:event_jButton1ActionPerformed

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton3ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        showAdmin object = new showAdmin();
        object.setVisible(true);
    }//GEN-LAST:event_jButton3ActionPerformed
     private void centerFrame() {
        // Get the screen dimensions
        Dimension screenSize = Toolkit.getDefaultToolkit().getScreenSize();

        // Calculate the x-coordinate and y-coordinate for the frame
        int x = (screenSize.width - getWidth()) / 2;
        int y = (screenSize.height - getHeight()) / 2;

        // Set the frame's location
        setLocation(400, 200);
    }


    /**
     * @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.loggin
g.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.loggin
g.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//GEN-BEGIN:variables
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JButton jButton6;
    private javax.swing.JButton jButton7;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    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.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;
    // End of variables declaration//GEN-END:variables
}
```

7.Login

```
import java.awt.HeadlessException;
import java.sql.*;
import javax.swing.JOptionPane;

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author chmn
 */
public class login extends javax.swing.JFrame {

    /**
     * Creates new form login
     */

    Connection conn = null;
    PreparedStatement 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">//GEN-
BEGIN:initComponents
    private void initComponents() {

        mail = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        password = new javax.swing.JPasswordField();
        email = new javax.swing.JTextField();
        cancel = new javax.swing.JButton();
```

```
        login = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        mail.setBackground(new java.awt.Color(51, 51, 51));
        mail.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Login", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Helvetica Neue", 1, 18), new java.awt.Color(255, 255, 255)));
// NOI18N
        mail.setForeground(new java.awt.Color(255, 255, 255));

        jLabel1.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Email");

        jLabel2.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Password");

        cancel.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/cancel1.png")
); // NOI18N
        cancel.setText("Cancel");
        cancel.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                cancelActionPerformed(evt);
            }
        });

        login.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-
2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/login1.png"))
; // NOI18N
        login.setText("Login");
        login.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                loginActionPerformed(evt);
            }
        });

        jLabel4.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/login.png"));
// NOI18N

        javax.swing.GroupLayout mailLayout = new
javax.swing.GroupLayout(mail);
        mail.setLayout(mailLayout);
        mailLayout.setHorizontalGroup(

mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(mailLayout.createSequentialGroup()
```

```
                .addGap(109, 109, 109)

.addGroup(mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING, 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))
                .addGap(18, 18, 18)

.addGroup(mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
                    .addGroup(mailLayout.createSequentialGroup()
                        .addComponent(jLabel3)
                        .addGap(26, 26, 26)
                        .addComponent(jLabel4))

.addGroup(mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TR
AILING, false)
                        .addGroup(mailLayout.createSequentialGroup()
                            .addComponent(login)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 39,
Short.MAX_VALUE)
                            .addComponent(cancel))
                        .addComponent(email,
javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(password,
javax.swing.GroupLayout.Alignment.LEADING)))
                .addContainerGap(95, Short.MAX_VALUE))
        );
        mailLayout.setVerticalGroup(

mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(mailLayout.createSequentialGroup()
                .addGap(19, 19, 19)
                .addComponent(jLabel3)
                .addGap(11, 11, 11)
                .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)

.addGroup(mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BA
SELINE)
                    .addComponent(email,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel1))
                .addGap(27, 27, 27)

.addGroup(mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BA
SELINE)
                    .addComponent(password,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2))
```

```
                .addGap(18, 18, 18)

.addGroup(mailLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BA
SELINE)
                    .addComponent(login)
                    .addComponent(cancel))
                .addContainerGap(122, 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(mail, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(mail, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        setSize(new java.awt.Dimension(525, 462));
        setLocationRelativeTo(null);
    }// </editor-fold>//GEN-END:initComponents

    private void cancelActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_cancelActionPerformed
        // TODO add your handling code here:
        System.exit(0);
    }//GEN-LAST:event_cancelActionPerformed

    private void loginActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_loginActionPerformed
        // TODO add your handling code here:

        try{
      if(conn!=null){

            String userEmail = email.getText();
            String userPass =new String(password.getPassword());

            String sql = "SELECT * FROM admin WHERE mail =? and password=?";
            stmt=conn.prepareStatement(sql);
            stmt.setString(1, userEmail);
            stmt.setString(2, userPass);
            rs = stmt.executeQuery();
            if(rs.next()){


                home hm=new home();
                hm.setVisible(true);
                dispose();

            }else{
                JOptionPane.showMessageDialog(null,"password or mail is
```

```
invalid.");
            }
      }
      else{
          JOptionPane.showMessageDialog(null,"not connected");
      }


        }catch(HeadlessException | SQLException e){
JOptionPane.showMessageDialog(null,e); }
    }//GEN-LAST:event_loginActionPerformed

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with
the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.loggi
ng.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(() -> {
            new login().setVisible(true);
        });
    }

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

```
    private javax.swing.JButton cancel;
    private javax.swing.JTextField email;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JButton login;
    private javax.swing.JPanel mail;
    private javax.swing.JPasswordField password;
    // End of variables declaration//GEN-END:variables
}
```

8.Show Admin

```
import java.awt.Color;
import java.awt.Font;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.*;
import java.util.*;
import javax.swing.*;
import javax.swing.table.DefaultTableModel;


/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author chmn
 */
public class showAdmin extends javax.swing.JFrame {

    /**
     * Creates new form showAdmin
     */
      private final Connection conn;
      private PreparedStatement stmt;
      private ResultSet rs;
       private final JPanel mainPanel;
      private final JTable table;
    public showAdmin() {
        super("Student");
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setSize(500, 350);

        // Connect to database
        conn = databaseConnection.connection();

        // Create and set main panel
        mainPanel = new JPanel();
        mainPanel.setBackground(Color.WHITE);
        mainPanel.setLayout(null);
        setContentPane(mainPanel);

        // Create and set title label
```

```
        JLabel titleLabel = new JLabel("Admin");
        titleLabel.setFont(new Font("Helvetica Neue", Font.BOLD, 18));
        titleLabel.setBounds(200, 20, 100, 30);
        mainPanel.add(titleLabel);

        // Create and set table
        table = new JTable();
        JScrollPane scrollPane = new JScrollPane(table);
        scrollPane.setBounds(20, 60, 460, 180);
        mainPanel.add(scrollPane);

        // Create and set back button
        JButton backButton = new JButton("Back");
        backButton.setBounds(200, 250, 100, 30);
        mainPanel.add(backButton);
        backButton.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                setVisible(false);
               home object = new home();
               object.setVisible(true);
                dispose();
            }
        });

        // Show records in table
        showRecords();

        // Display frame
        setLocationRelativeTo(null);
        setVisible(true);
    }


    public void showRecords(){
        try {
            if (conn != null) {
                String sql = "SELECT * FROM ADMIN";
                stmt = conn.prepareStatement(sql);
                rs = stmt.executeQuery();
                table.setModel(buildTableModel(rs));
            } else {
                JOptionPane.showMessageDialog(null, "Not connected to
database");
            }
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, e.getMessage());
        }
    }

    public static DefaultTableModel buildTableModel(ResultSet rs) throws
SQLException {
        ResultSetMetaData metaData = rs.getMetaData();

        // Get column names
        int columnCount = metaData.getColumnCount();
        Vector<String> columnNames = new Vector<String>();
        for (int column = 1; column <= columnCount; column++) {
            columnNames.add(metaData.getColumnName(column));
```

```
        }

        // Get row data
        Vector<Vector<Object>> data = new Vector<Vector<Object>>();
        while (rs.next()) {
            Vector<Object> row = new Vector<Object>();
            for (int column = 1; column <= columnCount; column++) {
                row.add(rs.getObject(column));
            }
            data.add(row);
        }

        return new DefaultTableModel(data, columnNames);
    }

    /**
     * This method is called from within the constructor to initialize the
form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();

        jLabel1.setText("jLabel1");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 410, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 326, Short.MAX_VALUE)
        );

        setSize(new java.awt.Dimension(410, 354));
        setLocationRelativeTo(null);
    }// </editor-fold>//GEN-END:initComponents

    /**
     * @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(showAdmin.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(showAdmin.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(showAdmin.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(showAdmin.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new showAdmin().setVisible(true);
                new showAdmin();

            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JLabel jLabel1;
    // End of variables declaration//GEN-END:variables
}
```

9.Show Student

```
import java.awt.Color;
import java.awt.Font;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.*;
import java.util.*;
import javax.swing.*;
import javax.swing.table.DefaultTableModel;


/*
```

```
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
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edit this template
 */

/**
 *
 * @author chmn
 */


    public class showStudent extends JFrame {

    private final Connection conn;
    private PreparedStatement stmt;
    private ResultSet rs;
    private final JPanel mainPanel;
    private final JTable table;

    public showStudent() {
        super("Student");
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setSize(500, 350);

        // Connect to database
        conn = databaseConnection.connection();

        // Create and set main panel
        mainPanel = new JPanel();
        mainPanel.setBackground(Color.WHITE);
        mainPanel.setLayout(null);
        setContentPane(mainPanel);

        // Create and set title label
        JLabel titleLabel = new JLabel("Students");
        titleLabel.setFont(new Font("Helvetica Neue", Font.BOLD, 18));
        titleLabel.setBounds(200, 20, 100, 30);
        mainPanel.add(titleLabel);

        // Create and set table
        table = new JTable();
        JScrollPane scrollPane = new JScrollPane(table);
        scrollPane.setBounds(20, 60, 460, 180);
        mainPanel.add(scrollPane);

        // Create and set back button
        JButton backButton = new JButton("Back");
        backButton.setBounds(200, 250, 100, 30);
        mainPanel.add(backButton);
        backButton.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                setVisible(false);
               home object = new home();
               object.setVisible(true);
                dispose();
            }
        });
```

```
        // Show records in table
        showRecords();

        // Display frame
        setLocationRelativeTo(null);
        setVisible(true);
    }




    public void showRecords(){
        try {
            if (conn != null) {
                String sql = "SELECT * FROM STUDENT";
                stmt = conn.prepareStatement(sql);
                rs = stmt.executeQuery();
                table.setModel(buildTableModel(rs));
            } else {
                JOptionPane.showMessageDialog(null, "Not connected to
database");
            }
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, e.getMessage());
        }
    }

    public static DefaultTableModel buildTableModel(ResultSet rs) throws
SQLException {
        ResultSetMetaData metaData = rs.getMetaData();

        // Get column names
        int columnCount = metaData.getColumnCount();
        Vector<String> columnNames = new Vector<String>();
        for (int column = 1; column <= columnCount; column++) {
            columnNames.add(metaData.getColumnName(column));
        }

        // Get row data
        Vector<Vector<Object>> data = new Vector<Vector<Object>>();
        while (rs.next()) {
            Vector<Object> row = new Vector<Object>();
            for (int column = 1; column <= columnCount; column++) {
                row.add(rs.getObject(column));
            }
            data.add(row);
        }

        return new DefaultTableModel(data, columnNames);
    }
```

```
    /**
     * This method is called from within the constructor to initialize the
form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 400, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 429, Short.MAX_VALUE)
        );

        setSize(new java.awt.Dimension(400, 457));
        setLocationRelativeTo(null);
    }// </editor-fold>//GEN-END:initComponents

    /**
     * @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(showStudent.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(showStudent.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(showStudent.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(showStudent.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */

        java.awt.EventQueue.invokeLater(new Runnable() {
            @Override
            public void run() {
                new showStudent().setVisible(true);
                new showStudent();
            }
        });
    }
    }
    // Variables declaration - do not modify//GEN-BEGIN:variables
    // End of variables declaration//GEN-END:variables
```

10.Student

```
import java.awt.HeadlessException;
import java.sql.*;
import javax.swing.JOptionPane;
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author chmn
 */
public class student extends javax.swing.JFrame {

    /**
     * Creates new form student
     */

    Connection conn = null;
    PreparedStatement stmt = null;
    ResultSet rs = null;

    public student() {
        super("Student");
        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">//GEN-
BEGIN:initComponents
    private void initComponents() {

        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();
        jPanel1 = new javax.swing.JPanel();
        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();
        jLabel6 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        fatherName = new javax.swing.JTextField();
        city = new javax.swing.JTextField();
        phone = new javax.swing.JTextField();
        course = new javax.swing.JTextField();
        submit = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        search = new javax.swing.JButton();
        delete = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        id = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        jMenuBar2 = new javax.swing.JMenuBar();
        jMenu3 = new javax.swing.JMenu();
        jMenuItem4 = new javax.swing.JMenuItem();
        jMenuItem5 = new javax.swing.JMenuItem();
        jMenu4 = new javax.swing.JMenu();
        jMenuItem6 = new javax.swing.JMenuItem();

        jMenu1.setText("File");


jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_H, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem1.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/home.png"));
// NOI18N
        jMenuItem1.setText("Home");
        jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem1ActionPerformed(evt);
            }
        });
        jMenu1.add(jMenuItem1);
```

```
jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_L, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem2.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/logout.png"))
; // NOI18N
        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("Edit");


jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_A, java.awt.event.InputEvent.META_DOWN_MASK));
        jMenuItem3.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/about.png"));
// NOI18N
        jMenuItem3.setText("About");
        jMenuItem3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem3ActionPerformed(evt);
            }
        });
        jMenu2.add(jMenuItem3);

        jMenuBar1.add(jMenu2);

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(51, 51, 51));
        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Student", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Helvetica Neue", 1, 24), new java.awt.Color(255, 255, 255)));
// NOI18N

        jLabel1.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Name");

        jLabel2.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Father's Name");

        jLabel3.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
```

```
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("City");

        jLabel4.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("Blood");

        jLabel5.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("Phone");

        jLabel6.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("Course");

        fatherName.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                fatherNameActionPerformed(evt);
            }
        });

        submit.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/submit.png"))
; // NOI18N
        submit.setText("Submit");
        submit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                submitActionPerformed(evt);
            }
        });

        jButton2.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/back.png"));
// NOI18N
        jButton2.setText("Back");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        search.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/loupe.png"));
// NOI18N
        search.setText("Search");
        search.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                searchActionPerformed(evt);
            }
        });

        delete.setIcon(new javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-
LPU-2022/Semister-
```

```
2/JAVA/Project/Admission_Management_System/src/main/java/images/cancel1.png")
); // NOI18N
        delete.setText("Delete");
        delete.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                deleteActionPerformed(evt);
            }
        });

        id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                idActionPerformed(evt);
            }
        });

        jLabel7.setFont(new java.awt.Font("Helvetica Neue", 1, 14)); //
NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("ID");

        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(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(submit)
                .addGap(45, 45, 45)
                .addComponent(delete)
                .addGap(40, 40, 40)
                .addComponent(jButton2)
                .addGap(111, 111, 111))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel2)
                                .addGap(71, 71, 71)
                                .addComponent(fatherName,
javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel5)
                                .addGap(126, 126, 126)
                                .addComponent(phone,
javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel6)
                                .addGap(120, 120, 120)
```

```
                                    .addComponent(course,
javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                                        .addComponent(jLabel3)
                                        .addComponent(jLabel4))
                                    .addGap(127, 127, 127)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING, false)
                                        .addComponent(city)
                                        .addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 180, Short.MAX_VALUE))))
                            .addGap(0, 0, Short.MAX_VALUE))
                        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                                .addComponent(jLabel1)
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addGap(8, 8, 8)
                                    .addComponent(jLabel7)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 129,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                                .addComponent(name,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(id,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGap(45, 45, 45)
                            .addComponent(search)
                            .addGap(45, 45, 45))))
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(49, 49, 49)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(id, javax.swing.GroupLayout.PREFERRED_SIZE,
30, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel7))
                .addGap(40, 40, 40)

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

```
                        .addGap(5, 5, 5)
                        .addComponent(jLabel1))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                        .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(search)))
                .addGap(28, 28, 28)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(12, 12, 12)
                        .addComponent(jLabel2))
                    .addComponent(fatherName,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(39, 39, 39)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(5, 5, 5)
                        .addComponent(jLabel3))
                    .addComponent(city,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(40, 40, 40)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                    .addComponent(jLabel4)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(49, 49, 49)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(5, 5, 5)
                        .addComponent(jLabel5))
                    .addComponent(phone,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(47, 47, 47)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(5, 5, 5)
                        .addComponent(jLabel6))
                    .addComponent(course,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(28, 28, 28)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                        .addComponent(submit)
                        .addComponent(jButton2)
                        .addComponent(delete))
                    .addContainerGap(32, Short.MAX_VALUE))
            );

            jMenu3.setText("File");


jMenuItem4.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_H, java.awt.event.InputEvent.META_DOWN_MASK));
            jMenuItem4.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/home.png"));
// NOI18N
            jMenuItem4.setText("Home");
            jMenuItem4.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    jMenuItem4ActionPerformed(evt);
                }
            });
            jMenu3.add(jMenuItem4);


jMenuItem5.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_L, java.awt.event.InputEvent.META_DOWN_MASK));
            jMenuItem5.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/logout.png"))
; // NOI18N
            jMenuItem5.setText("Logout");
            jMenuItem5.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    jMenuItem5ActionPerformed(evt);
                }
            });
            jMenu3.add(jMenuItem5);

            jMenuBar2.add(jMenu3);

            jMenu4.setText("Edit");


jMenuItem6.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.K
eyEvent.VK_A, java.awt.event.InputEvent.META_DOWN_MASK));
            jMenuItem6.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/about.png"));
// NOI18N
            jMenuItem6.setText("About");
            jMenuItem6.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    jMenuItem6ActionPerformed(evt);
                }
            });
            jMenu4.add(jMenuItem6);
```

```
        jMenuBar2.add(jMenu4);

        setJMenuBar(jMenuBar2);

        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)
                .addContainerGap(112, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
        );

        setSize(new java.awt.Dimension(664, 694));
        setLocationRelativeTo(null);
    }// </editor-fold>//GEN-END:initComponents

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem1ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem1ActionPerformed

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        login object = new login();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem2ActionPerformed

    private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem3ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        About object = new About();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem3ActionPerformed

    private void jMenuItem4ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem4ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
```

```
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem4ActionPerformed

    private void jMenuItem5ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem5ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        login object = new login();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem5ActionPerformed

    private void jMenuItem6ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuItem6ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        About object = new About();
        object.setVisible(true);
    }//GEN-LAST:event_jMenuItem6ActionPerformed

    private void fatherNameActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_fatherNameActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_fatherNameActionPerformed

    private void submitActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_submitActionPerformed
        // TODO add your handling code here:
        try{
            stmt=conn.prepareStatement(sql);
            String stdName = name.getText();
            String stdBlood = (String) blood.getSelectedItem();
            String stdFatherName = fatherName.getText();
            String stdCity = city.getText();
            String stdPhone = phone.getText();
            String stdCourse = course.getText();

            String sql = "INSERT INTO STUDENT(stdName, stdFatherName,
stdBlood, stdCity, stdPhone, stdCourse) VALUES('"+stdName+"',
'"+stdFatherName+"','"+stdCity+"', '"+stdBlood+"', '"+stdPhone+"',
'"+stdCourse+"')";
            stmt.executeUpdate(sql);
            JOptionPane.showMessageDialog(null,"Data is Successfully
inserted");

        }catch(HeadlessException | SQLException e){
            JOptionPane.showMessageDialog(null,e);
        }
    }//GEN-LAST:event_submitActionPerformed

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed
        // TODO add your handling code here:
        setVisible(false);
        home object = new home();
        object.setVisible(true);
    }//GEN-LAST:event_jButton2ActionPerformed

    private void searchActionPerformed(java.awt.event.ActionEvent evt)
```

```
{//GEN-FIRST:event_searchActionPerformed
        // TODO add your handling code here:
        try{
           stmt=conn.createStatement();
           int stdId = Integer.parseInt(id.getText());

           String sql = "SELECT * FROM STUDENT WHERE id= ";

        }catch(Exception e){JOptionPane.showMessageDialog(null,e);}

    }//GEN-LAST:event_searchActionPerformed

    private void idActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_idActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_idActionPerformed

    private void deleteActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_deleteActionPerformed
        // TODO add your handling code here:
        String userId = id.getText();
        try {
    // Create a connection to the database
    Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/student", "root",
"");

    // Write a SQL statement to delete the user
    String sql = "DELETE FROM student WHERE id = ?";

    // Create a prepared statement using the SQL statement and set the
parameter for the user id
    PreparedStatement stmt = conn.prepareStatement(sql);
    stmt.setInt(1, id);

    // Execute the prepared statement to delete the user
    int rowsDeleted = stmt.executeUpdate();

    if (rowsDeleted > 0) {
        // Show a message indicating the user was deleted successfully
        JOptionPane.showMessageDialog(null, "User deleted successfully");
    } else {
        // Show a message indicating the user was not found
        JOptionPane.showMessageDialog(null, "User not found");
    }

} catch (SQLException e) {
    // Show a message indicating an error occurred
    JOptionPane.showMessageDialog(null, "Error deleting user: " +
e.getMessage());
}

// Delete user with ID = userId from the database

    }//GEN-LAST:event_deleteActionPerformed

    /**
     * @param args the command line arguments
     */
```

```
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with
the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {

                new student().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JTextField city;
    private javax.swing.JTextField course;
    private javax.swing.JButton delete;
    private javax.swing.JTextField fatherName;
    private javax.swing.JTextField id;
    private javax.swing.JButton jButton2;
    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.JMenu jMenu1;
    private javax.swing.JMenu jMenu2;
    private javax.swing.JMenu jMenu3;
    private javax.swing.JMenu jMenu4;
    private javax.swing.JMenuBar jMenuBar1;
    private javax.swing.JMenuBar jMenuBar2;
    private javax.swing.JMenuItem jMenuItem1;
    private javax.swing.JMenuItem jMenuItem2;
    private javax.swing.JMenuItem jMenuItem3;
    private javax.swing.JMenuItem jMenuItem4;
    private javax.swing.JMenuItem jMenuItem5;
    private javax.swing.JMenuItem jMenuItem6;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField name;
    private javax.swing.JTextField phone;
    private javax.swing.JButton search;
    private javax.swing.JButton submit;
    // End of variables declaration//GEN-END:variables
}
```

11.Student Bean

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit
this template
 */

/**
 *
 * @author chmn
 */
public class StudentBean {

    private int id;
    private String name;
    private float fees;
    private String dob;
    private byte[] photo;

    public StudentBean(int id,String name,float fees, String dob,byte[]
photo){
        this.id = id;
        this.name = name;
        this.fees = fees;
        this.dob = dob;
        this.photo = photo;


    }

    public void setId(int id) {
        this.id = id;
    }

    public void setName(String name) {
        this.name = name;
    }
```

```
    public void setFees(float fees) {
        this.fees = fees;
    }

    public void setDob(String dob) {
        this.dob = dob;
    }

    public void setPhoto(byte[] photo) {
        this.photo = photo;
    }

    public int getId() {
        return id;
    }

    public String getName() {
        return name;
    }

    public float getFees() {
        return fees;
    }

    public String getDob() {
        return dob;
    }

    public byte[] getPhoto() {
        return photo;
    }


}
```

12.Student Form

```
import java.sql.*;
import javax.swing.*;
import java.awt.*;
import java.io.File;
import java.io.*;
import java.text.SimpleDateFormat;
import javax.swing.filechooser.FileNameExtensionFilter;

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author chmn
 */
public class StudentsForm extends javax.swing.JFrame {

    /**
     * Creates new form StudentsForm
```

```
     */
    Connection conn = null;
    PreparedStatement stmt = null;
    ResultSet rs = null;
    public StudentsForm() {
        initComponents();
         conn = databaseConnection.connection();
    }

    String photopath="";
    public ImageIcon resetImageSize(String photopath, byte[] photo){
        ImageIcon myPhoto =null;
        if(photopath!=null){
            myPhoto = new ImageIcon(photopath);
        }else{
            myPhoto = new ImageIcon(photo);
        }
        Image img = myPhoto.getImage();
        Image img1= img.getScaledInstance(label_photo.getWidth(),
label_photo.getHeight(), Image.SCALE_SMOOTH);
        ImageIcon ph = new ImageIcon(img1);
        return ph;
    }
    /**
     * This method is called from within the constructor to initialize the
form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        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();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jTextField_id = new javax.swing.JTextField();
        jTextField_name = new javax.swing.JTextField();
        jTextField_fees = new javax.swing.JTextField();
        jDateChooser1_dob = new com.toedter.calendar.JDateChooser();
        label_photo = new javax.swing.JLabel();
        jButton_new = new javax.swing.JButton();
        jButton_save = new javax.swing.JButton();
        jButton_update = new javax.swing.JButton();
        jButton_delete = new javax.swing.JButton();
        jButton_photo = new javax.swing.JButton();
        jTextField_search = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
        jPanel1.setBackground(new java.awt.Color(51, 51, 51));
        jPanel1.setForeground(new java.awt.Color(255, 255, 255));

        jLabel1.setFont(new java.awt.Font("Helvetica Neue", 1, 36)); //
NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 153, 0));
        jLabel1.setText("Lovely Professional University ");

        jLabel2.setFont(new java.awt.Font("Helvetica Neue", 1, 24)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Jalandhar, Punjab, India");

        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("Search Student By Name");

        jLabel4.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("Student Information");

        jLabel5.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("Id:");

        jLabel6.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("Student Name:");

        jLabel7.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("Fees:");

        jLabel8.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("Date of Birth:");

        jLabel9.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("PHOTO");

        jTextField_id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField_idActionPerformed(evt);
            }
        });

        jDateChooser1_dob.setDateFormatString("dd-MM-yyyy");

        label_photo.setBackground(new java.awt.Color(255, 255, 255));
        label_photo.setForeground(new java.awt.Color(255, 255, 255));
        label_photo.setOpaque(true);
```

```
        jButton_new.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jButton_new.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/check.
png")); // NOI18N
        jButton_new.setText("New");

        jButton_save.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jButton_save.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/user_a
dd.png")); // NOI18N
        jButton_save.setText("Insert/Save");
        jButton_save.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton_saveActionPerformed(evt);
            }
        });

        jButton_update.setFont(new java.awt.Font("Helvetica Neue", 1, 18));
// NOI18N
        jButton_update.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/sync.p
ng")); // NOI18N
        jButton_update.setText("Update");
        jButton_update.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton_updateActionPerformed(evt);
            }
        });

        jButton_delete.setFont(new java.awt.Font("Helvetica Neue", 1, 18));
// NOI18N
        jButton_delete.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/erase.
png")); // NOI18N
        jButton_delete.setText("Delete");

        jButton_photo.setFont(new java.awt.Font("Helvetica Neue", 1, 18)); //
NOI18N
        jButton_photo.setIcon(new
javax.swing.ImageIcon("/Users/chmn/Desktop/MCA-LPU-2022/Semister-
2/JAVA/Project/Admission_Management_System/src/main/java/images/images/folder
_red.png")); // NOI18N
        jButton_photo.setText("Select the Photo");
        jButton_photo.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton_photoActionPerformed(evt);
            }
        });

        jTextField_search.setText("jTextField1");

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

```
            new Object [][] {

            },
            new String [] {
                "Id", "Student name", "Fees", "Date of Birth"
            }
        ));
        jScrollPane1.setViewportView(jTable1);

        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(130, 130, 130)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                        .addComponent(jLabel6)
                        .addComponent(jLabel7)
                        .addComponent(jLabel8)
                        .addComponent(jLabel5)
                        .addComponent(jLabel9))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jButton_photo)
                        .addGap(13, 13, 13)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(34, 34, 34)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                            .addComponent(jTextField_id)
                            .addComponent(jTextField_name)
                            .addComponent(jTextField_fees)
                            .addComponent(jDateChooser1_dob,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                        .addGap(98, 98, 98))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(label_photo,
javax.swing.GroupLayout.PREFERRED_SIZE, 227,
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
.LEADING)

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

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING, false)
                                .addComponent(jButton_update,
javax.swing.GroupLayout.DEFAULT_SIZE, 178, Short.MAX_VALUE)
                                .addComponent(jButton_delete,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                .addComponent(jButton_save,
javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jTextField_search,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(49, 49, 49)))
                        .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(1, 1, 1)
                            .addComponent(jButton_new,
javax.swing.GroupLayout.PREFERRED_SIZE, 177,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGap(20, 20, 20))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                            .addComponent(jLabel4)
                            .addGap(285, 285, 285))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                            .addComponent(jLabel2)
                            .addGap(234, 234, 234))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 815,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)))
                    .addGap(0, 0, Short.MAX_VALUE))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 666,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap())
            );
            jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
Short.MAX_VALUE)
                .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(104, 104, 104)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                                    .addComponent(jTextField_id,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(jButton_new,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(jLabel5))
                                .addGap(120, 120, 120))
                            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                                    .addComponent(jTextField_name,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(jButton_save,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(jLabel6))
                                .addGap(43, 43, 43)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.BASELINE)
                            .addComponent(jTextField_fees,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jButton_update,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel7))
                        .addGap(45, 45, 45)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                            .addComponent(jButton_delete,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jDateChooser1_dob,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel8)))
```

```
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(jLabel4)))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(71, 71, 71)
                                .addComponent(jLabel9)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(jButton_photo,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(63, 63, 63)
                                .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(26, 26, 26)
                                .addComponent(jTextField_search,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(39, 39, 39))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(label_photo,
javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)))
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 171,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(156, 156, 156))
        );

        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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
```

```
layout.createSequentialGroup()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 897,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jTextField_idActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jTextField_idActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_jTextField_idActionPerformed

    // for selecting photo
    private void jButton_photoActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton_photoActionPerformed
        // TODO add your handling code here:
        JFileChooser chooser = new JFileChooser() ;
        chooser.setCurrentDirectory(new
File(System.getProperty("user.home")));
        FileNameExtensionFilter fnef = new
FileNameExtensionFilter("*.images","jpg","png");
        chooser.addChoosableFileFilter(fnef);
        int ans = chooser.showSaveDialog(null);
        if(ans==JFileChooser.APPROVE_OPTION){
            File selectedPhoto = chooser.getSelectedFile();
            String path = selectedPhoto.getAbsolutePath();
            label_photo.setIcon(resetImageSize( path,null));
            this.photopath = path;

        }



    }//GEN-LAST:event_jButton_photoActionPerformed
     // for save / insert the student record into database
    private void jButton_saveActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton_saveActionPerformed
            if((jTextField_id.getText()!=null || jTextField_name!=null ||
jTextField_fees!=null
                    || jDateChooser1_dob!=null) && photopath!=null){
                try{
                    if(conn!=null){
                       String qry = "insert into students " + "(id, name,
fees, dob, photo) values (?, ?, ?, ?, ?)";
                        stmt = conn.prepareStatement(qry);


stmt.setInt(1,Integer.parseInt(jTextField_id.getText())  );
                        stmt.setString(2,jTextField_name.getText());

stmt.setFloat(3,Float.parseFloat(jTextField_fees.getText()));
                        SimpleDateFormat sdf = new SimpleDateFormat("dd-MM-
yyyy");
                        String dob1=sdf.format(jDateChooser1_dob.getDate());
                        stmt.setString(4,dob1);
                        InputStream is = new FileInputStream(new
```

```
File(photopath));
                        stmt.setBlob(5,is);
                        int res = stmt.executeUpdate();

            if(res>=1){

                JOptionPane.showMessageDialog(null,"Student record
inserted");

            }else{
                JOptionPane.showMessageDialog(null,"Insertion not done.");
            }
      }
                }catch(Exception e){
                JOptionPane.showMessageDialog(null,e);
                }

                jTextField_id.setText("");
                jTextField_name.setText("");
                jTextField_fees.setText("");


            }else{
                JOptionPane.showMessageDialog(null,"All Field are
compulsory");
            }
    }//GEN-LAST:event_jButton_saveActionPerformed
    // for updating student record
    private void jButton_updateActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_jButton_updateActionPerformed
        // TODO add your handling code here:
         if(jTextField_id!=null || jTextField_name!=null ||
jTextField_fees!=null
                    || jDateChooser1_dob!=null){
             Connection conn= databaseConnection.connection();
                    if(photopath==null){

                            try{
                                if(conn!=null){
                                   String qry = "update students set name =?,
fees=?, dob=?,photo=? where id=?";
                                    stmt = conn.prepareStatement(qry);



stmt.setString(1,jTextField_name.getText());

stmt.setFloat(2,Float.parseFloat(jTextField_fees.getText()));

                                    SimpleDateFormat sdf = new
SimpleDateFormat("dd-MM-yyyy");
                                    String
dob1=sdf.format(jDateChooser1_dob.getDate());
                                    stmt.setString(3,dob1);
                                    stmt.setInt(4
,Integer.parseInt(jTextField_id.getText())  );

            //                          InputStream is = new
FileInputStream(new File(photopath));
```

```
            //                          stmt.setBlob(5,is);
                                    int res = stmt.executeUpdate();

                            if(res>=1){

                                JOptionPane.showMessageDialog(null,"Student
record updated");

                            }else{
                                JOptionPane.showMessageDialog(null,"updation not
done.");
                            }
                        }
                                }catch(Exception e){
                                JOptionPane.showMessageDialog(null,e);
                                }

                    jTextField_id.setText("");
                    jTextField_name.setText("");
                    jTextField_fees.setText("");


                }else{ // update with photo
                          try{
                              InputStream is = new FileInputStream(new
File(photopath));
                                      if(conn!=null){
                                         String qry = "update students set name =?,
fees=?, dob=? where id=?";
                                          stmt = conn.prepareStatement(qry);



stmt.setString(1,jTextField_name.getText());

stmt.setFloat(2,Float.parseFloat(jTextField_fees.getText()));

                                          SimpleDateFormat sdf = new
SimpleDateFormat("dd-MM-yyyy");
                                          String
dob1=sdf.format(jDateChooser1_dob.getDate());
                                          stmt.setString(3,dob1);

                                          stmt.setBlob(4,is);

                                          stmt.setInt(5
,Integer.parseInt(jTextField_id.getText()));


                                          int res = stmt.executeUpdate();

                            if(res>=1){

                                JOptionPane.showMessageDialog(null,"Student
record updated");

                            }else{
                                JOptionPane.showMessageDialog(null,"updation not
done.");
```

```
                        }
                    }
                            }catch(Exception e){
                            JOptionPane.showMessageDialog(null,e);
                            }

                jTextField_id.setText("");
                jTextField_name.setText("");
                jTextField_fees.setText("");



            }


         }else
             JOptionPane.showMessageDialog(null,"Student Updatipn failed");
    }//GEN-LAST:event_jButton_updateActionPerformed

    /**
     * @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(StudentsForm.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(StudentsForm.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(StudentsForm.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(StudentsForm.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
```

```
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new StudentsForm().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton_delete;
    private javax.swing.JButton jButton_new;
    private javax.swing.JButton jButton_photo;
    private javax.swing.JButton jButton_save;
    private javax.swing.JButton jButton_update;
    private com.toedter.calendar.JDateChooser jDateChooser1_dob;
    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.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    private javax.swing.JTextField jTextField_fees;
    private javax.swing.JTextField jTextField_id;
    private javax.swing.JTextField jTextField_name;
    private javax.swing.JTextField jTextField_search;
    private javax.swing.JLabel label_photo;
    // End of variables declaration//GEN-END:variables
}
```

13.Testing

```
import java.sql.*;
import java.util.logging.Level;
import java.util.logging.Logger;
import java.util.*;
import java.sql.Connection;
import java.util.Vector;
import javax.swing.*;
import javax.swing.table.DefaultTableModel;
//import java.sql.PreparedStatement;




    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
```

```
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 400, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 300, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    // Variables declaration - do not modify//GEN-BEGIN:variables
    // End of variables declaration//GEN-END:variables



/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author Ramanuj
 */
public class STUDENTLOGIN extends javax.swing.JFrame {

    /**
     * Creates new form STUDENTLOGIN
     */
    public STUDENTLOGIN() {
        initComponents();
        tableupdate();
    }

    /**
     * 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")
    Connection con1;
    PreparedStatement insert;
   private void tableupdate()
   { int c;
       try{
        Class.forName("com.mysql.jdbc.Driver");
        String url="jdbc:mysql://localhost:3307/project";
        String user="root";
        String pwd="";
        Connection con1=DriverManager.getConnection(url,user,pwd);
        insert=con1.prepareStatement("select * from record");
        ResultSet rs=insert.executeQuery();
        ResultSetMetaData rss=rs.getMetaData();
```

```
            c=rss.getColumnCount();
            DefaultTableModel df=(DefaultTableModel)jTable2.getModel();
           df.setRowCount(0);
           while(rs.next())
           {
               Vector v2=new Vector();
               for(int a=1;a<=c;a++)
               {
                   v2.add(rs.getString("id"));
                   v2.add(rs.getString("name"));
                   v2.add(rs.getString("mobile"));
                   v2.add(rs.getString("course"));
               }
               df.addRow(v2);
           }

            } catch (ClassNotFoundException ex) {
                Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
             }
            catch (SQLException ex) {
                Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
        }
       }



    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        txtName = new javax.swing.JTextField();
        txtmobile = new javax.swing.JTextField();
        txtcourse = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jButton4 = new javax.swing.JButton();
        jScrollPane2 = new javax.swing.JScrollPane();
        jTable2 = new javax.swing.JTable();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new
org.netbeans.lib.awtextra.AbsoluteLayout());

        jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        getContentPane().add(jPanel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, 563));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("Student Registration");
```

```
        getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 20, 258, -1));

        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Registration", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Segoe
UI", 0, 14))); // NOI18N
        jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel2.setText("Student Name");
        jPanel2.add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(11, 39, 90, -1));

        jLabel3.setText("Mobile");
        jPanel2.add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(11, 87, 90, -1));

        jLabel4.setText("Course");
        jPanel2.add(jLabel4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(10, 140, 80, 20));
        jPanel2.add(txtName, new
org.netbeans.lib.awtextra.AbsoluteConstraints(130, 40, 220, -1));
        jPanel2.add(txtmobile, new
org.netbeans.lib.awtextra.AbsoluteConstraints(130, 80, 220, -1));
        jPanel2.add(txtcourse, new
org.netbeans.lib.awtextra.AbsoluteConstraints(130, 140, 220, -1));

        jButton1.setText("Add");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        jPanel2.add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(120, 220, -1, -1));

        jButton2.setText("Edit");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });
        jPanel2.add(jButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 220, -1, -1));

        jButton3.setText("Delete");
        jButton3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });
        jPanel2.add(jButton3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(280, 220, -1, -1));

        jTable1.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
```

```
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
        ));
        jScrollPane1.setViewportView(jTable1);

        jPanel2.add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(392, 7, 300, 470));

        jButton4.setText("search");
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });
        jPanel2.add(jButton4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(130, 260, -1, -1));

        getContentPane().add(jPanel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(20, 80, 390, 320));

        jTable2.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Id", "Name", "Mobile", "Course"
            }
        ) {
            Class[] types = new Class [] {
                java.lang.Integer.class, java.lang.String.class,
java.lang.Integer.class, java.lang.String.class
            };

            public Class getColumnClass(int columnIndex) {
                return types [columnIndex];
            }
        });
        jTable2.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jTable2MouseClicked(evt);
            }
        });
        jScrollPane2.setViewportView(jTable2);

        getContentPane().add(jScrollPane2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(530, 60, 440, 370));

        pack();
    }// </editor-fold>

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

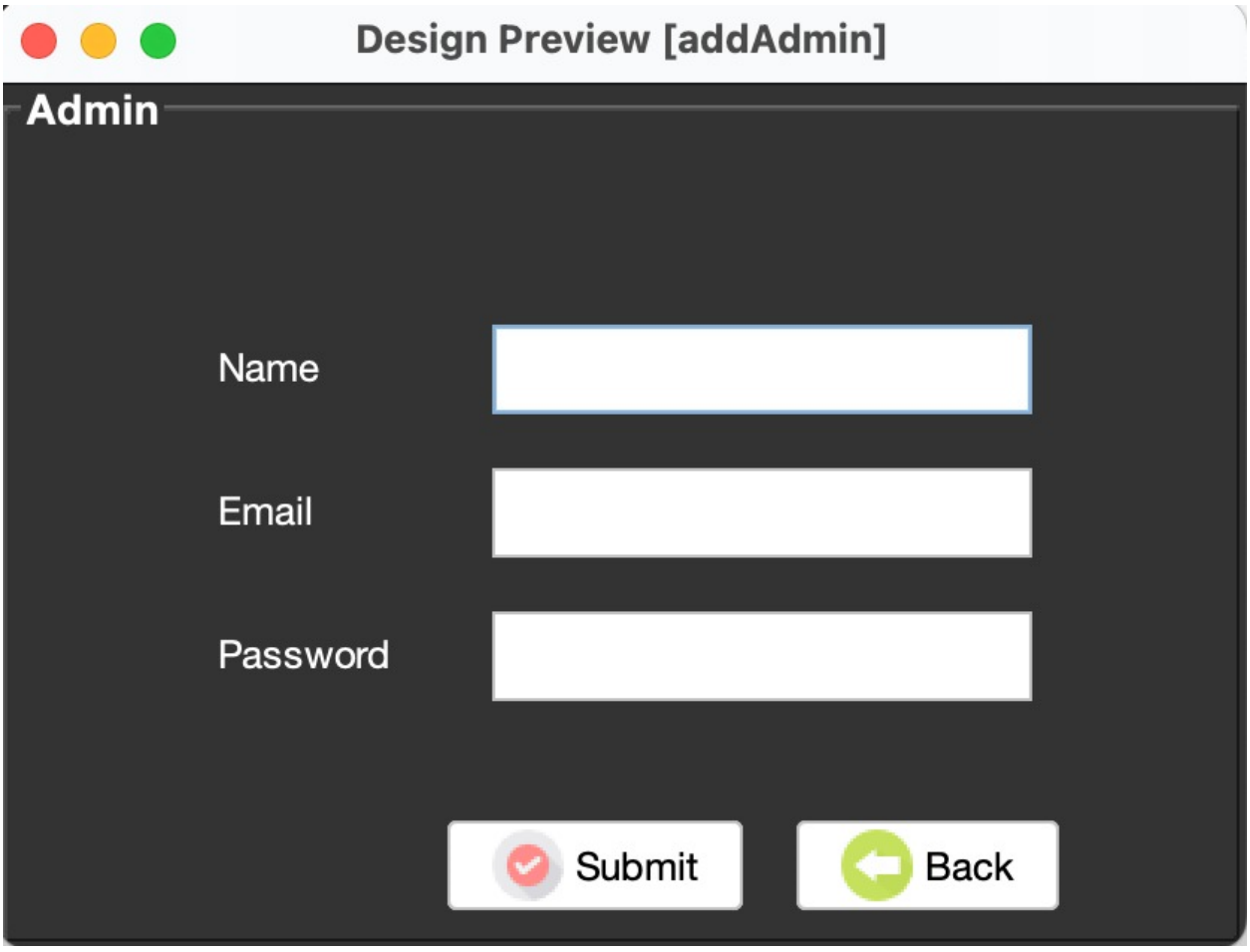
```
        String name=txtName.getText();
        String mobile=txtmobile.getText();
        String course=txtcourse.getText();


        try {
             Class.forName("com.mysql.jdbc.Driver");
        String url="jdbc:mysql://localhost:3307/project";
        String user="root";
        String pwd="";
        Connection con1=DriverManager.getConnection(url,user,pwd);
            //Class.forName("com.mysql.jdbc.Driver");

//con1=DriverManager.getConnection("jdbc:mysql://localhost:3307/project","roo
t","");
            insert=con1.prepareStatement("insert into
record(name,mobile,course)values(?,?,?)");
            insert.setString(1,name);
            insert.setString(2,mobile);
            insert.setString(3,course);
            insert.executeUpdate();
            JOptionPane.showMessageDialog(this,"record Added ");
            tableupdate();
            txtName.setText("");
            txtmobile.setText("");
            txtcourse.setText("");//after data inserted text fields is clear
            txtName.requestFocus();//and after that cursor will go to

            con1.close();

        } catch (ClassNotFoundException ex) {
            Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
        }
        catch (SQLException ex) {
            Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
    }
    }
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        DefaultTableModel df=(DefaultTableModel)jTable2.getModel();
        int selectedIndex=jTable2.getSelectedRow();
        try{
            int
id=Integer.parseInt(df.getValueAt(selectedIndex,0).toString());
            String name=txtName.getText();
            String mobile=txtmobile.getText();
            String course=txtcourse.getText();

             Class.forName("com.mysql.jdbc.Driver");
             String url="jdbc:mysql://localhost:3307/project";
        String user="root";
        String pwd="";
        Connection con1=DriverManager.getConnection(url,user,pwd);
         insert=con1.prepareStatement("update record set
name=?,mobile=?,course=?,where id=?");
            insert.setString(1,name);
            insert.setString(2,mobile);
```

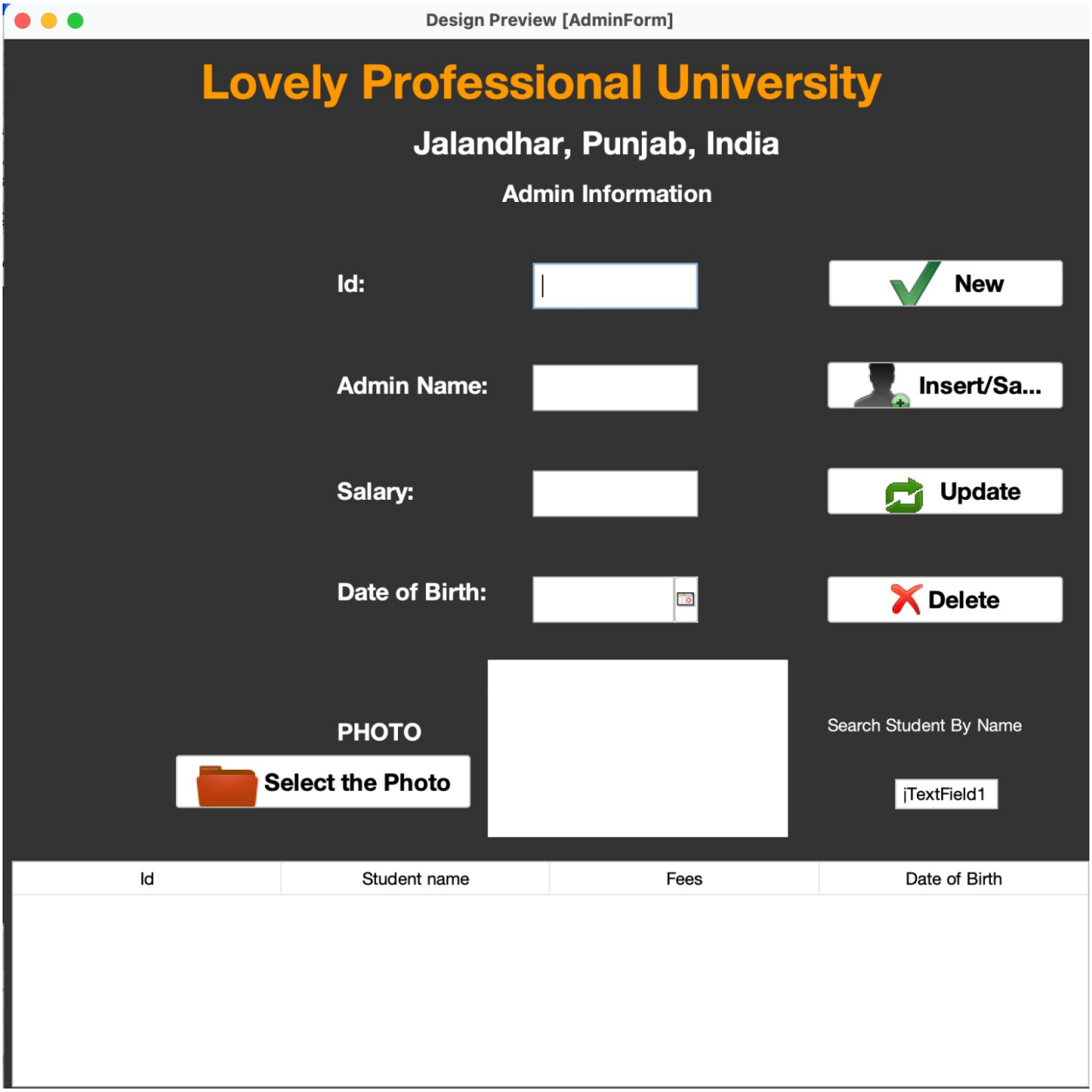
```
            insert.setString(3,course);
            insert.setInt(4,id);
            insert.executeUpdate();
            JOptionPane.showMessageDialog(this,"record update ");
            tableupdate();
           txtName.setText("");
            txtmobile.setText("");
            txtcourse.setText("");//after data inserted text fields is clear
            txtName.requestFocus();//and after that cursor will go to

            con1.close();


        } catch (ClassNotFoundException ex) {
            Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
        }
        catch (SQLException ex) {
            Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
    }




    }

    private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
         DefaultTableModel df=(DefaultTableModel)jTable2.getModel();
         int selectedIndex=jTable2.getSelectedRow();
         txtName.setText(df.getValueAt(selectedIndex,1).toString());
         txtmobile.setText(df.getValueAt(selectedIndex,2).toString());
         txtcourse.setText(df.getValueAt(selectedIndex,3).toString());

    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        DefaultTableModel df=(DefaultTableModel)jTable2.getModel();
        int selectedIndex=jTable2.getSelectedRow();
        try{
            int
id=Integer.parseInt(df.getValueAt(selectedIndex,0).toString());
            int dialogResult=JOptionPane.showConfirmDialog(null,"Do you want
to Delete the record","Warning",JOptionPane.YES_NO_OPTION);
            if(dialogResult==JOptionPane.YES_OPTION)
            {

                Class.forName("com.mysql.jdbc.Driver");
             String url="jdbc:mysql://localhost:3307/project";
             String user="root";
             String pwd="";
        Connection con1=DriverManager.getConnection(url,user,pwd);
            insert=con1.prepareStatement("delete from record where id=?");
//            insert.setString(1,name);
//            insert.setString(2,mobile);
//            insert.setString(3,course);
```

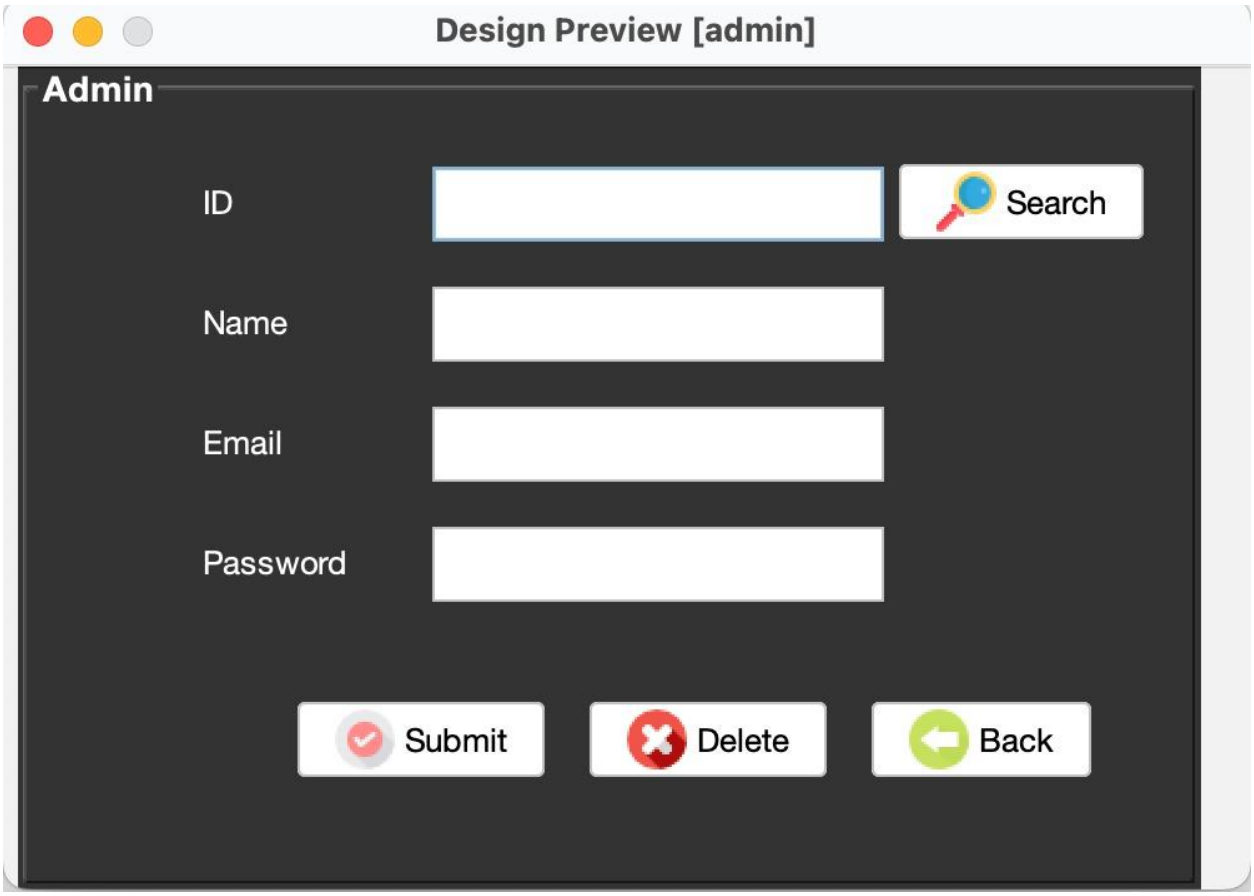
```
            insert.setInt(1,id);
            insert.executeUpdate();
            JOptionPane.showMessageDialog(this,"record deleted");
            tableupdate();
           txtName.setText("");
            txtmobile.setText("");
            txtcourse.setText("");//after data inserted text fields is clear
            txtName.requestFocus();//and after that cursor will go to

            con1.close();
            }


        } catch (ClassNotFoundException ex) {
            Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
        }
        catch (SQLException ex) {
            Logger.getLogger(STUDENTLOGIN.class.getName()).log(Level.SEVERE,
null, ex);
    }

    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

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(STUDENTLOGIN.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(STUDENTLOGIN.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(STUDENTLOGIN.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

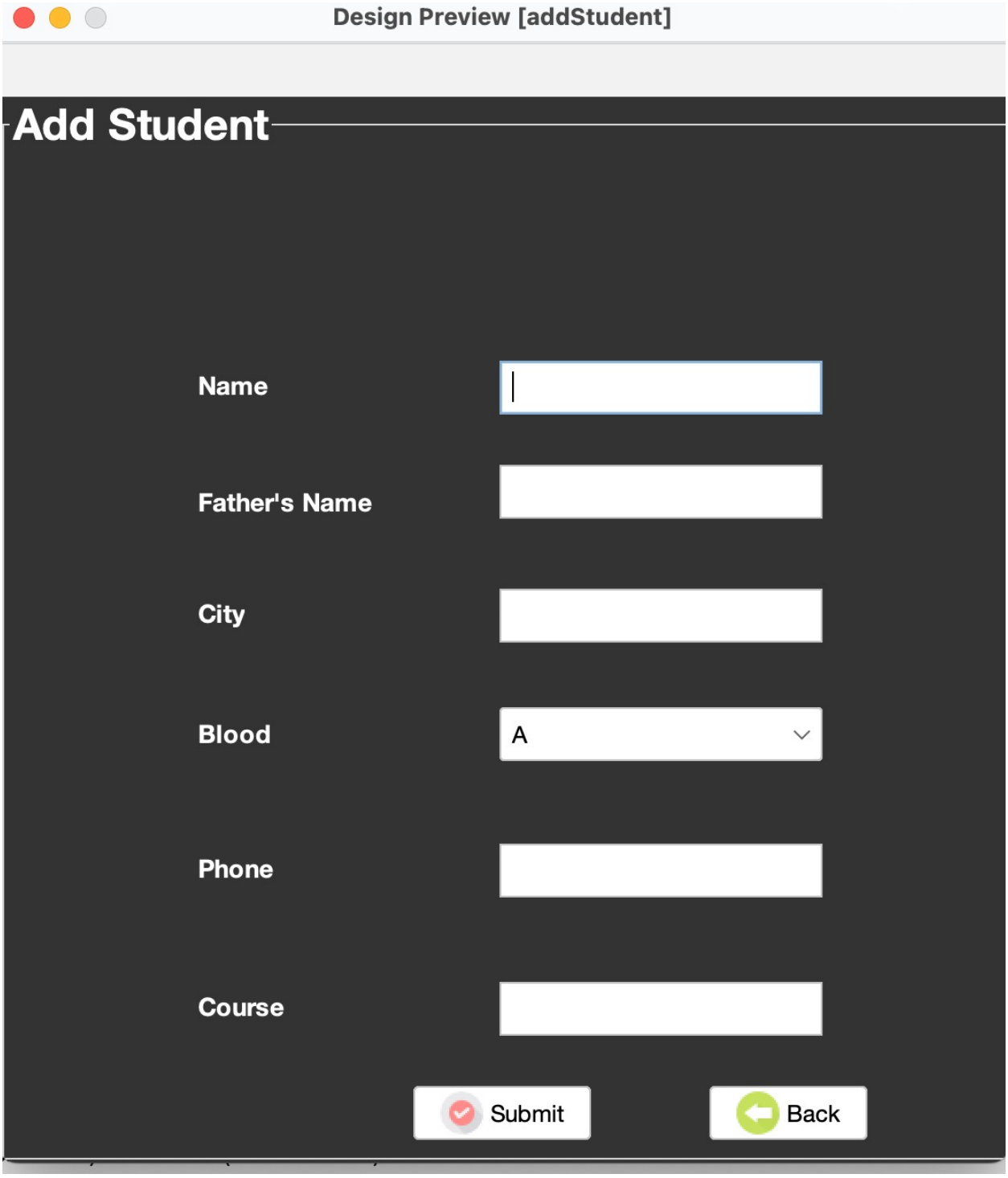
```
java.util.logging.Logger.getLogger(STUDENTLOGIN.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new STUDENTLOGIN().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify

    // End of variables declaration

}
```

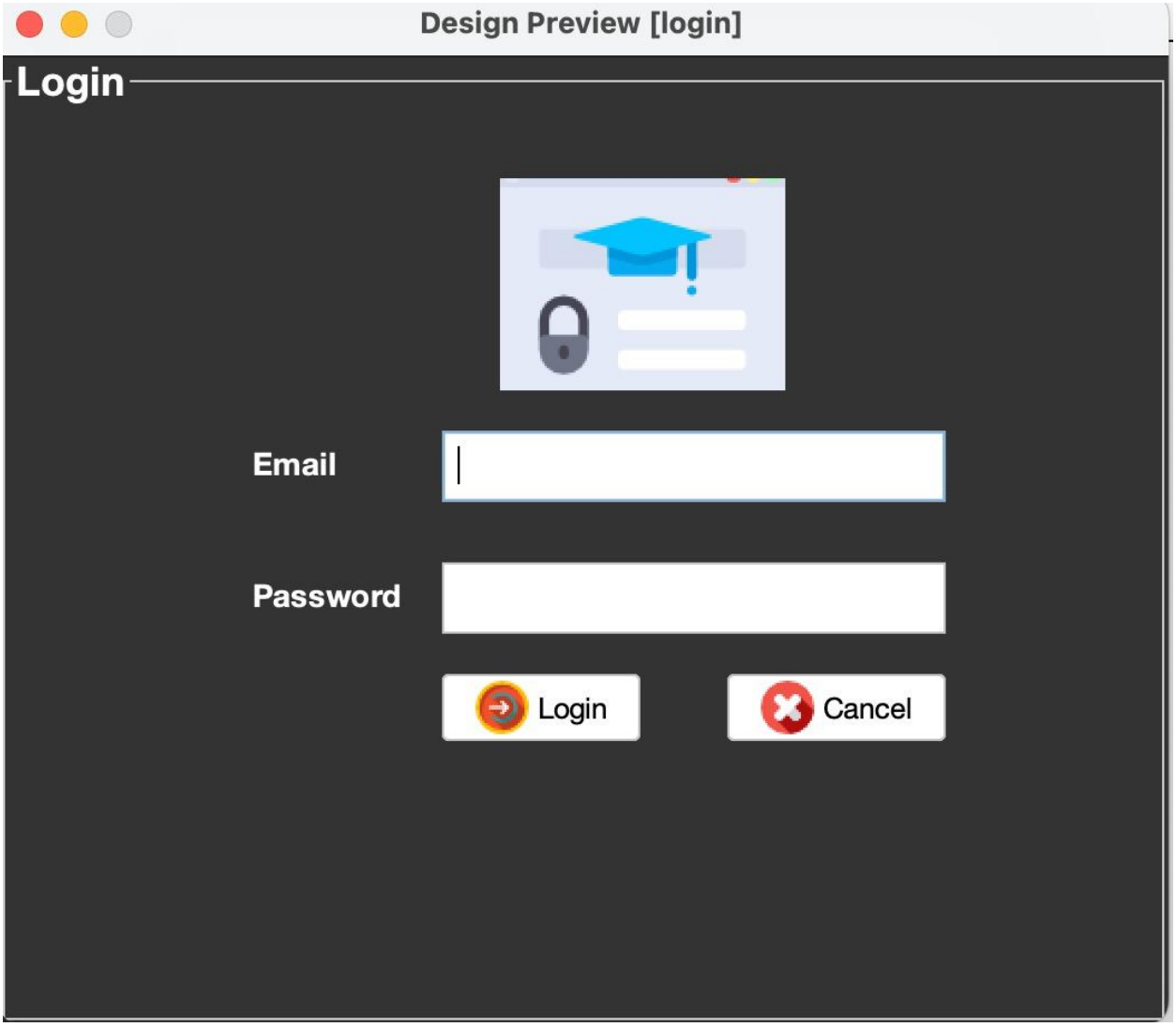
OUTPUT




Design Preview [AdminForm]
Lovely Professional University
Jalandhar, Punjab, India
Admin Information
Id:
New
Admin Name:
Insert/Sa...
Salary:
Update
Date of Birth:
Delete
PHOTO
Select the Photo
Search Student By Name
jTextField1
Id
Student name
Fees
Date of Birth

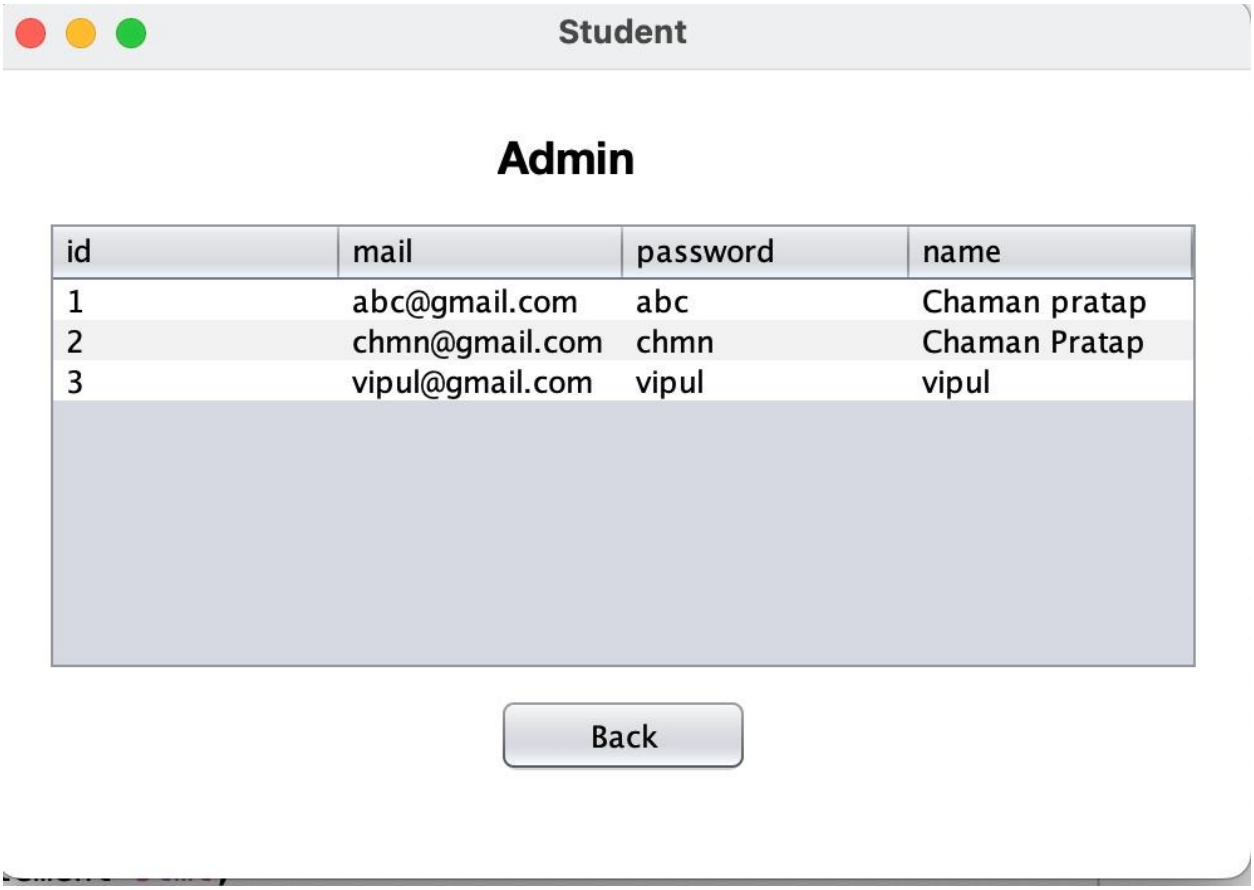

Design Preview [admin]
Admin
ID
Search
Name
Email
Password
Submit
Delete
Back

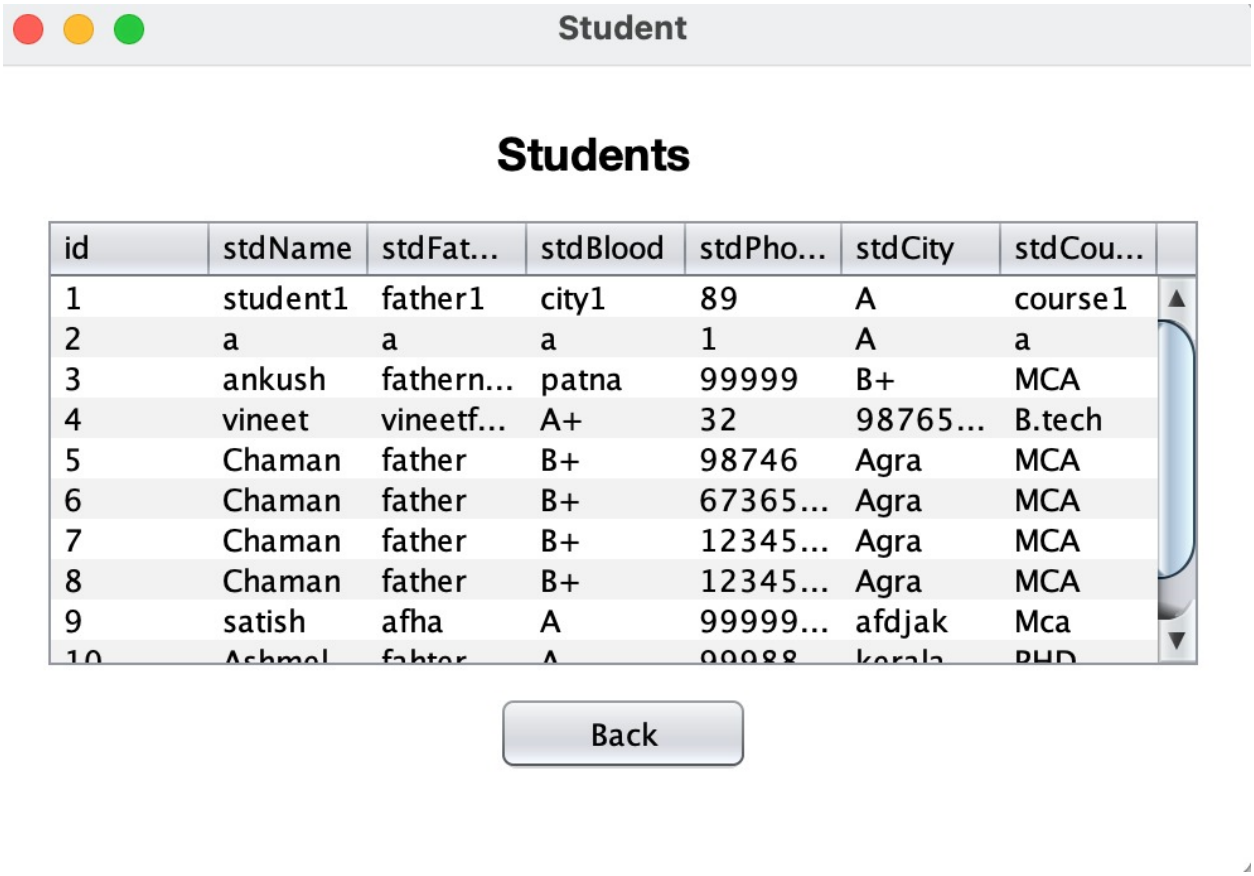

Design Preview [addStudent]
Add Student
Name
Father's Name
City
Blood
A
Phone
Course
Submit
Back

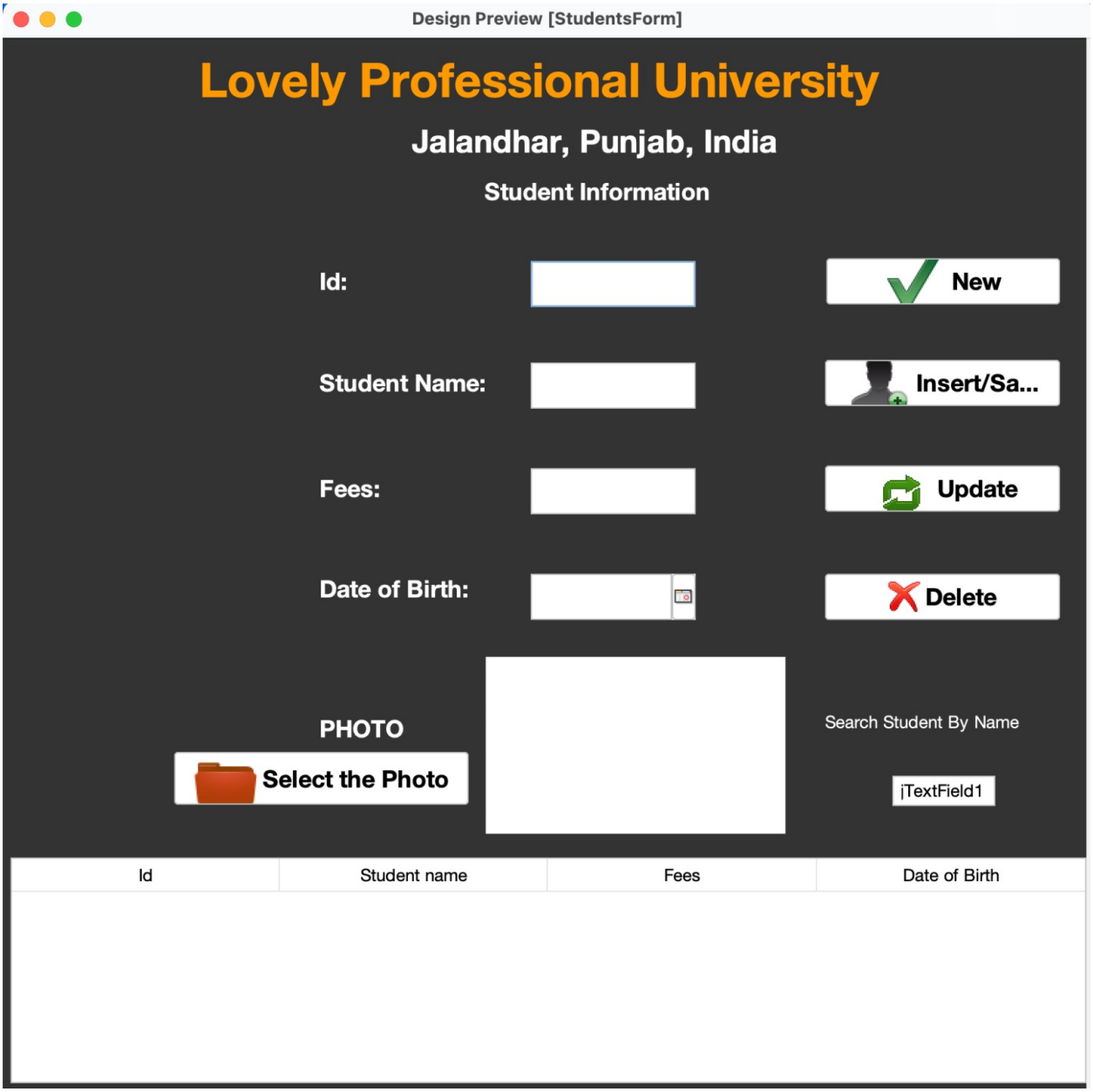

Design Preview [login]
Login
Email
Password
Login
Cancel

Design Preview [student]
Student
ID
Name
Search
Father's Name
City
Blood
Phone
Course
Submit
Delete
Back

Design Preview [home]
Home
Student
Registration
System
Add Student
Operation
Show Student
Admin
Operation
Show Admin


Student
Admin
id
mail
password
name
1
abc@gmail.com
abc
Chaman pratap
2
chmn@gmail.com
chmn
Chaman Pratap
3
vipul@gmail.com
vipul
vipul
Back


Student
Students
id
stdName
stdFat...
stdBlood
stdPho...
stdCity
stdCou...
1
student1
father1
city1
89
A
course1
2
a
a
a
1
A
a
3
ankush
fathern...
patna
99999
B+
MCA
4
vineet
vineetf...
A+
32
98765...
B.tech
5
Chaman
father
B+
98746
Agra
MCA
6
Chaman
father
B+
67365...
Agra
MCA
7
Chaman
father
B+
12345...
Agra
MCA
8
Chaman
father
B+
12345...
Agra
MCA
9
satish
afha
A
99999...
afdjak
Mca
Back


Design Preview [StudentsForm]
Lovely Professional University
Jalandhar, Punjab, India
Student Information
Id:
New
Student Name:
Insert/Sa...
Fees:
Update
Date of Birth:
Delete
PHOTO
Select the Photo
Search Student By Name
jTextField1
Id
Student name
Fees
Date of Birth