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Submitted to

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Mam. Sadaf

***BS***

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***Software Engineering***

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Title: Project Report

OOP

Hamza Mehmood

Roll# SP-21-110

NUML

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2352

9



**National University of Modern Languages**

Object Oriented Programming

# Student Database Management System

Source Code of Login Form:

/\*\*

\* @author Hamza.\_.Dezire

\*SP-21-110

\* NUML-S21-23529

\* BS-SOFTWARE ENGINEERING

\*/

import java.awt.HeadlessException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {

public Login() {

initComponents();

}

@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();

pass = new javax.swing.JPasswordField();

user = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

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

setTitle("Student Data Base Management System");

setBackground(new java.awt.Color(153, 153, 153));

setFont(new java.awt.Font("Adlinnaka Bold", 0, 12)); // NOI18N

setResizable(false);

jPanel1.setBackground(new java.awt.Color(102, 102, 255));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.LOWERED), "Login", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Adlinnaka Bold", 0, 18), new java.awt.Color(255, 255, 255))); // NOI18N

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

jLabel1.setForeground(new java.awt.Color(255, 255, 255));

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/emailhh.png"))); // NOI18N

jLabel1.setText("Email");

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

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

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/password.png"))); // NOI18N

jLabel2.setText("Password");

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

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

userActionPerformed(evt);

}

});

jButton1.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\New folder\\StudentDBMS\\src\\Images\\icons8-enter-24.png")); // NOI18N

jButton1.setText("LOGIN");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\New folder\\StudentDBMS\\src\\Images\\delete\_16x16.gif")); // NOI18N

jButton2.setText("CANCEL");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jLabel3.setFont(new java.awt.Font("Adlinnaka Bold", 0, 24)); // NOI18N

jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/download.png"))); // NOI18N

jLabel4.setFont(new java.awt.Font("Adlinnaka Bold", 0, 24)); // NOI18N

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

jLabel4.setText("Welcome to Login Page");

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(136, 136, 136)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 113, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(31, 31, 31)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(104, 104, 104)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel2)

.addGap(57, 57, 57)

.addComponent(pass, javax.swing.GroupLayout.PREFERRED\_SIZE, 191, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel1)

.addGap(96, 96, 96)

.addComponent(user, javax.swing.GroupLayout.PREFERRED\_SIZE, 191, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, 438, Short.MAX\_VALUE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(141, 141, 141)

.addComponent(jLabel4)))

.addGap(72, 72, 72))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(31, 31, 31)

.addComponent(jLabel4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32, Short.MAX\_VALUE)

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

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

.addComponent(jLabel1))

.addGap(18, 18, 18)

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

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

.addComponent(jLabel2))

.addGap(38, 38, 38)

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

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(76, 76, 76))

);

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)

.addContainerGap())

);

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)

.addContainerGap())

);

setSize(new java.awt.Dimension(662, 512));

setLocationRelativeTo(null);

}// </editor-fold>

Data Base Code

**private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {**

**Connection con = null;**

**PreparedStatement pst = null;**

**ResultSet rs = null;**

**try {**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**con = DriverManager.getConnection("jdbc:ucanaccess://F:\\Student.accdb");**

**String sql = "select \* from Login where Email='" + user.getText() + "'and Password='" + pass.getText() + "'";**

**pst = con.prepareStatement(sql);**

**rs = pst.executeQuery();**

**if (rs.next()) {**

**JOptionPane.showMessageDialog(null, "Login Successfully");**

**MainFrane e = new MainFrane();**

**e.setVisible(true);**

**this.setVisible(false);**

**} else {**

**JOptionPane.showMessageDialog(null, "Invalid Username or Password");**

**}**

**} catch (HeadlessException | ClassNotFoundException | SQLException e) {**

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

**}**

**}**

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

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

}

public static void main(String args[]) {

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.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

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

public void run() {

new Login().setVisible(true);

}

});

}

// Variables declaration - do not modify

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.JPanel jPanel1;

private javax.swing.JPasswordField pass;

private javax.swing.JTextField user;

// End of variables declaration

private static class password {

private static String getText() {

throw new UnsupportedOperationException("Not supported yet.");

}

public p/\*\*

\* @author Hamza.\_.Dezire

\*SP-21-110

\* NUML-S21-23529

\* BS-SOFTWARE ENGINEERING

\*/

import java.awt.HeadlessException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {

public Login() {

initComponents();

}

@SuppressWarnings("unchecked")

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private void initComponents() {

jPanel1 = new javax.swing.JPanel();

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jButton2 = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

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setResizable(false);

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jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.LOWERED), "Login", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Adlinnaka Bold", 0, 18), new java.awt.Color(255, 255, 255))); // NOI18N

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

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/password.png"))); // NOI18N

jLabel2.setText("Password");

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

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

userActionPerformed(evt);

}

});

jButton1.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\New folder\\StudentDBMS\\src\\Images\\icons8-enter-24.png")); // NOI18N

jButton1.setText("LOGIN");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\New folder\\StudentDBMS\\src\\Images\\delete\_16x16.gif")); // NOI18N

jButton2.setText("CANCEL");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jLabel3.setFont(new java.awt.Font("Adlinnaka Bold", 0, 24)); // NOI18N

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jLabel4.setFont(new java.awt.Font("Adlinnaka Bold", 0, 24)); // NOI18N

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.addGap(57, 57, 57)

.addComponent(pass, javax.swing.GroupLayout.PREFERRED\_SIZE, 191, javax.swing.GroupLayout.PREFERRED\_SIZE))

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.addComponent(user, javax.swing.GroupLayout.PREFERRED\_SIZE, 191, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, 438, Short.MAX\_VALUE)))

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

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.addContainerGap()

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

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.addComponent(jLabel4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32, Short.MAX\_VALUE)

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.addGap(18, 18, 18)

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

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.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(76, 76, 76))

);

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)

.addContainerGap())

);

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)

.addContainerGap())

);

setSize(new java.awt.Dimension(662, 512));

setLocationRelativeTo(null);

}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

Connection con = null;

PreparedStatement pst = null;

ResultSet rs = null;

try {

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

con = DriverManager.getConnection("jdbc:ucanaccess://F:\\Student.accdb");

String sql = "select \* from Login where Email='" + user.getText() + "'and Password='" + pass.getText() + "'";

pst = con.prepareStatement(sql);

rs = pst.executeQuery();

if (rs.next()) {

JOptionPane.showMessageDialog(null, "Login Successfully");

MainFrane e = new MainFrane();

e.setVisible(true);

this.setVisible(false);

} else {

JOptionPane.showMessageDialog(null, "Invalid Username or Password");

}

} catch (HeadlessException | ClassNotFoundException | SQLException e) {

JOptionPane.showMessageDialog(null, e);

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

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

}

public static void main(String args[]) {

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.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

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

public void run() {

new Login().setVisible(true);

}

});

}

// Variables declaration - do not modify

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.JPanel jPanel1;

private javax.swing.JPasswordField pass;

private javax.swing.JTextField user;

// End of variables declaration

private static class password {

private static String getText() {

throw new UnsupportedOperationException("Not supported yet.");

}

public password() {

}

}

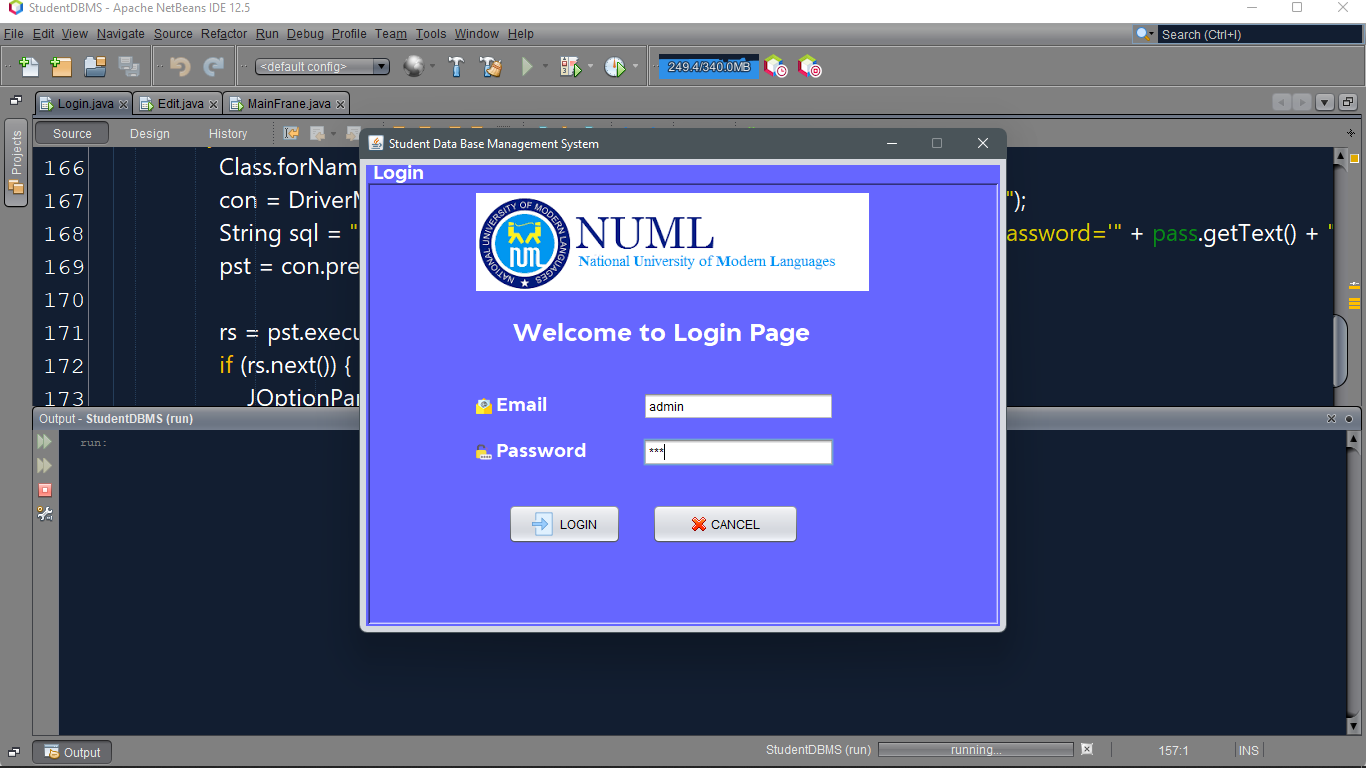
}password() {

}

}

}

OUTPUT



Source Code of HOME PAGE:

/\*\*

\* @author Hamza.\_.Dezire

\*SP-21-110

\* NUML-S21-23529

\* BS-SOFTWARE ENGINEERING

\*/

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class MainFrane extends javax.swing.JFrame {

public MainFrane() {

initComponents();

tableupdate();}

Data Base Code

**Connection con;**

**PreparedStatement pst;**

**ResultSet rs;**

**public void tableupdate() {**

**int c;**

**try {**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**Connection con = DriverManager.getConnection("jdbc:ucanaccess://F:/Student.accdb");**

**PreparedStatement pst = con.prepareStatement("select \* from Studentt");**

**rs = pst.executeQuery();**

**ResultSetMetaData rsd = rs.getMetaData();**

**c = rsd.getColumnCount();**

**DefaultTableModel dft = (DefaultTableModel) jTable1.getModel();**

**dft.setRowCount(0);**

**while (rs.next()) {**

**Vector v2 = new Vector();**

**for (int i = 1; i <= c; i++) {**

**v2.add(rs.getString("ID"));**

**v2.add(rs.getString("StudentName"));**

**v2.add(rs.getString("Phone"));**

**v2.add(rs.getString("Semester"));**

**}**

**dft.addRow(v2);**

**}**

**} catch (ClassNotFoundException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**} catch (SQLException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**}**

**}**

@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();

txtid = new javax.swing.JTextField();

txtname = new javax.swing.JTextField();

txtphone = new javax.swing.JTextField();

txtsemester = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

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

setTitle("STUDENT DBMS-HOME");

setResizable(false);

jPanel1.setBackground(new java.awt.Color(204, 204, 255));

jPanel1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.LOWERED));

jLabel1.setFont(new java.awt.Font("Adlinnaka Bold", 1, 24)); // NOI18N

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/icons8-students-40.png"))); // NOI18N

jLabel1.setText("Student DataBase Management System");

jLabel2.setFont(new java.awt.Font("Adlinnaka Bold", 0, 14)); // NOI18N

jLabel2.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\ProJect Src\\Java v1\\src\\main\\icons8-eye-24.png")); // NOI18N

jLabel2.setText("ID");

jLabel3.setFont(new java.awt.Font("Adlinnaka Bold", 0, 14)); // NOI18N

jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/vg.png"))); // NOI18N

jLabel3.setText("Student Name");

jLabel4.setFont(new java.awt.Font("Adlinnaka Bold", 0, 14)); // NOI18N

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/sm.png"))); // NOI18N

jLabel4.setText("Phone No");

jLabel5.setFont(new java.awt.Font("Adlinnaka Bold", 0, 14)); // NOI18N

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/mnk.png"))); // NOI18N

jLabel5.setText("Semester");

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

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

txtidActionPerformed(evt);

}

});

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 [] {

"ID", "Student Name", "Phone No", "Semester"

}

) {

Class[] types = new Class [] {

java.lang.Integer.class, java.lang.String.class, java.lang.Integer.class, java.lang.Integer.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

jButton1.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/edit.png"))); // NOI18N

jButton1.setText("Update");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/icons8-plus-24.png"))); // NOI18N

jButton2.setText("ADD");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(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()

.addContainerGap()

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

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

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

.addComponent(jLabel5)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 128, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(14, 14, 14)

.addComponent(txtsemester, javax.swing.GroupLayout.PREFERRED\_SIZE, 186, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

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

.addComponent(jLabel3)

.addComponent(jLabel2)

.addComponent(jLabel4))

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

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

.addComponent(txtphone, javax.swing.GroupLayout.PREFERRED\_SIZE, 186, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(txtid, javax.swing.GroupLayout.DEFAULT\_SIZE, 186, Short.MAX\_VALUE)

.addComponent(txtname)))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 24, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 442, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

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

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

.addComponent(jLabel1)

.addGap(126, 126, 126))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(33, 33, 33)

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel2)

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

.addGap(29, 29, 29)

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

.addComponent(jLabel3)

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

.addGap(32, 32, 32)

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

.addComponent(jLabel4)

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

.addGap(41, 41, 41)

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

.addComponent(jLabel5)

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

.addGap(38, 38, 38)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 291, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(15, Short.MAX\_VALUE))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.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(layout.createSequentialGroup()

.addContainerGap()

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

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

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

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

// TODO add your handling code here:

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

Edit e = new Edit();

e.setVisible(true);

setVisible(false);

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

**String id, name, phone, semester;**

**name = txtname.getText();**

**phone = txtphone.getText();**

**semester = txtsemester.getText();**

**id = txtid.getText();**

**try {**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**con = DriverManager.getConnection("jdbc:ucanaccess://F:/Student.accdb");**

**pst = con.prepareStatement("insert into Studentt(StudentName,Phone,Semester)values(?,?,?)");**

**pst.setString(1, name);**

**pst.setString(2, phone);**

**pst.setString(3, semester);**

**pst.executeUpdate();**

**JOptionPane.showMessageDialog(this, "Record Added");**

**txtid.setText("");**

**txtname.setText("");**

**txtphone.setText("");**

**txtsemester.setText("");**

**txtid.requestFocus();**

**tableupdate();**

**} catch (ClassNotFoundException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**JOptionPane.showMessageDialog(this, ex);**

**} catch (SQLException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**JOptionPane.showMessageDialog(this, ex);**

**}**

**}**

public static void main(String args[]) {

//<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(MainFrane.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

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

public void run() {

new MainFrane().setVisible(true);

}

});

}

// Variables declaration - do not modify

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.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

private javax.swing.JTextField txtid;

private javax.swing.JTextField txtname;

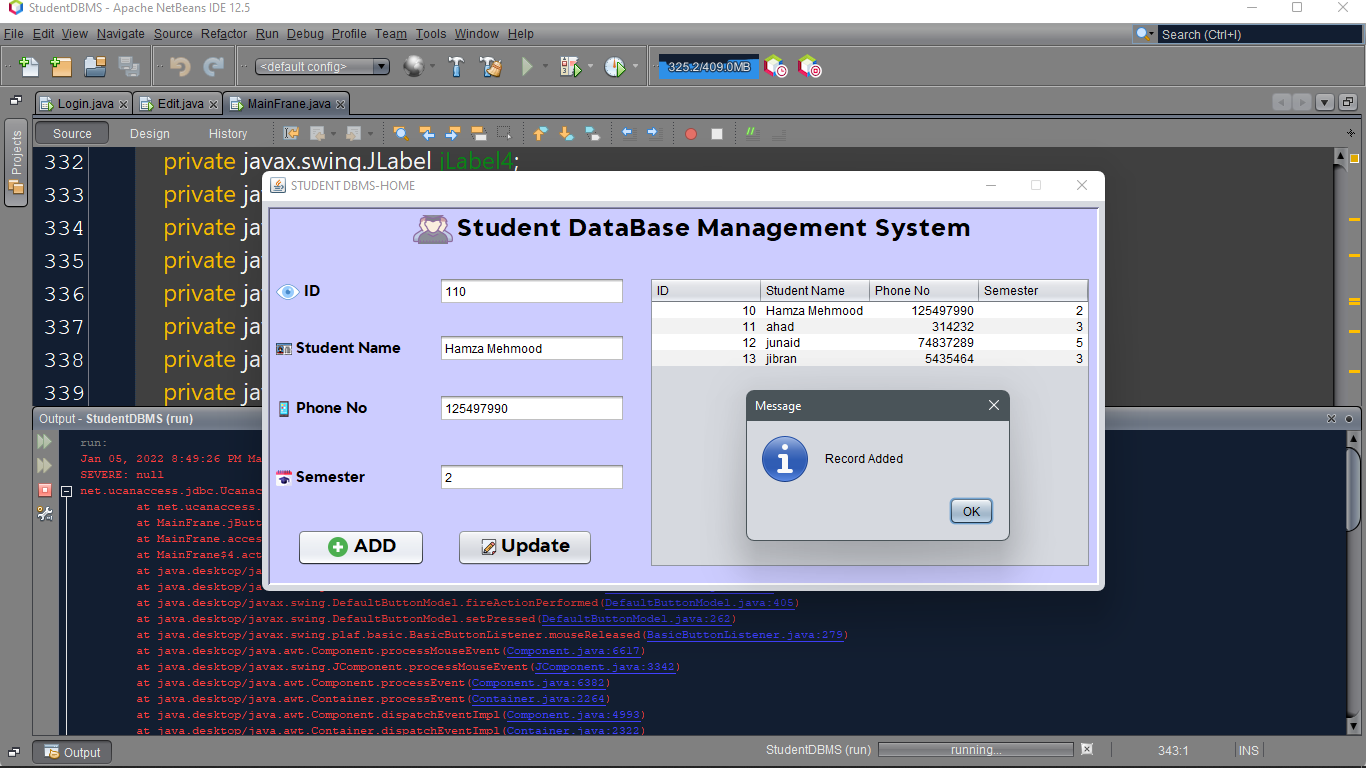
private javax.swing.JTextField txtphone;

private javax.swing.JTextField txtsemester;

// End of variables declaration

}

OUTPUT



Source Code of Updating DATA:

/\*\*

\* @author Hamza.\_.Dezire

\*SP-21-110

\* NUML-S21-23529

\* BS-SOFTWARE ENGINEERING

\*/

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.text.MessageFormat;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.JTable;

import javax.swing.table.DefaultTableModel;

public class Edit extends javax.swing.JFrame {

Data Base Code

public Edit() {

initComponents();

**tableupdate();**

}

**Connection con;**

**PreparedStatement pst;**

**ResultSet rs;**

**public void tableupdate() {**

**int c;**

**try {**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**Connection con = DriverManager.getConnection("jdbc:ucanaccess://F:/Student.accdb");**

**PreparedStatement pst = con.prepareStatement("select \* from Studentt");**

**rs = pst.executeQuery();**

**ResultSetMetaData rsd = rs.getMetaData();**

**c = rsd.getColumnCount();**

**DefaultTableModel dft = (DefaultTableModel) jTable1.getModel();**

**dft.setRowCount(0);**

**while (rs.next()) {**

**Vector v2 = new Vector();**

**for (int i = 1; i <= c; i++) {**

**v2.add(rs.getString("ID"));**

**v2.add(rs.getString("StudentName"));**

**v2.add(rs.getString("Phone"));**

**v2.add(rs.getString("Semester"));**

**}**

**dft.addRow(v2);**

**}**

**} catch (ClassNotFoundException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**} catch (SQLException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**}**

**}**

@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();

txtid = new javax.swing.JTextField();

txtname = new javax.swing.JTextField();

txtphone = new javax.swing.JTextField();

txtsemester = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jLabel6 = new javax.swing.JLabel();

jButton5 = new javax.swing.JButton();

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

setTitle("STUDENT DBMS-UPDATE");

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

setResizable(false);

jPanel1.setBackground(new java.awt.Color(204, 255, 204));

jPanel1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.LOWERED));

jLabel1.setBackground(new java.awt.Color(204, 255, 204));

jLabel1.setFont(new java.awt.Font("Adlinnaka Bold", 1, 36)); // NOI18N

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/icons8-students-40.png"))); // NOI18N

jLabel1.setText("Student DataBase Management System");

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

jLabel2.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\ProJect Src\\Java v1\\src\\main\\icons8-eye-24.png")); // NOI18N

jLabel2.setText("ID");

jLabel3.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/vg.png"))); // NOI18N

jLabel3.setText("Student Name");

jLabel4.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/sm.png"))); // NOI18N

jLabel4.setText("Phone No");

jLabel5.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/mnk.png"))); // NOI18N

jLabel5.setText("Semester");

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

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

txtidActionPerformed(evt);

}

});

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

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

txtnameActionPerformed(evt);

}

});

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 [] {

"ID", "Student Name", "Phone No", "Semester"

}

) {

Class[] types = new Class [] {

java.lang.Integer.class, java.lang.String.class, java.lang.Integer.class, java.lang.Integer.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jButton1.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jButton1.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\New folder\\StudentDBMS\\src\\Images\\delete\_16x16.gif")); // NOI18N

jButton1.setText("DELETE");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jButton2.setIcon(new javax.swing.ImageIcon("F:\\NUML BS-SE\\2nd Semester\\OOP\\New folder\\StudentDBMS\\src\\Images\\edit.png")); // NOI18N

jButton2.setText("EDIT");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jButton3.setFont(new java.awt.Font("Adlinnaka Bold", 1, 18)); // NOI18N

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/exit.png"))); // NOI18N

jButton3.setText("EXIT");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

jButton4.setFont(new java.awt.Font("Adlinnaka Bold", 1, 18)); // NOI18N

jButton4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/printer.png"))); // NOI18N

jButton4.setText("PRINT");

jButton4.addActionListener(new java.awt.event.ActionListener() {

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

jButton4ActionPerformed(evt);

}

});

jLabel6.setFont(new java.awt.Font("Adlinnaka Bold", 0, 18)); // NOI18N

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/icons8-registration-24(1).png"))); // NOI18N

jLabel6.setText("UPDATE DATA");

jButton5.setFont(new java.awt.Font("Adlinnaka Bold", 1, 14)); // NOI18N

jButton5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/icons8-back-arrow-24.png"))); // NOI18N

jButton5.setText("GO BACK");

jButton5.addActionListener(new java.awt.event.ActionListener() {

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

jButton5ActionPerformed(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()

.addContainerGap()

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

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

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

.addComponent(jLabel3)

.addComponent(jLabel2))

.addGap(47, 47, 47)

.addComponent(jLabel1))

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel4, javax.swing.GroupLayout.Alignment.LEADING)

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

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(168, 168, 168)

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

.addComponent(txtid, javax.swing.GroupLayout.PREFERRED\_SIZE, 230, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtname, javax.swing.GroupLayout.PREFERRED\_SIZE, 230, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtphone, javax.swing.GroupLayout.PREFERRED\_SIZE, 230, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtsemester, javax.swing.GroupLayout.PREFERRED\_SIZE, 230, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(106, 106, 106)

.addComponent(jLabel6))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(47, 47, 47)

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

.addComponent(jButton5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 133, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(35, 35, 35)

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

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 128, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 128, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(33, 33, 33)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 643, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(66, 66, 66)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 348, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(21, 21, 21)

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

.addComponent(txtid, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2))

.addGap(18, 18, 18)

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

.addComponent(txtname, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel3))

.addGap(18, 18, 18)

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

.addComponent(txtphone, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4))

.addGap(29, 29, 29)

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

.addComponent(txtsemester, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5))

.addGap(36, 36, 36)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(24, Short.MAX\_VALUE))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(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)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addContainerGap(23, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

}

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

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

Data Base Code of Updation

**DefaultTableModel model = (DefaultTableModel) jTable1.getModel();**

**int selectedIndex = jTable1.getSelectedRow();**

**int id = Integer.parseInt(model.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\_NO\_OPTION) {**

**try {**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**con = DriverManager.getConnection("jdbc:ucanaccess://F:/Student.accdb");**

**pst = con.prepareStatement("delete from Studentt where ID =?");**

**pst.setInt(1, id);**

**pst.executeUpdate();**

**JOptionPane.showMessageDialog(this, "Record Deleted");**

**tableupdate();**

**txtid.setText("");**

**txtname.setText("");**

**txtphone.setText("");**

**txtsemester.setText("");**

**txtid.requestFocus();**

**} catch (SQLException ex) {**

**Logger.getLogger(Edit.class.getName()).log(Level.SEVERE, null, ex);**

**} catch (ClassNotFoundException ex) {**

**Logger.getLogger(Edit.class.getName()).log(Level.SEVERE, null, ex);**

**}**

**}**

**}**

**private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {**

**// TODO add your handling code here:**

**DefaultTableModel model = (DefaultTableModel) jTable1.getModel();**

**int selectedIndex = jTable1.getSelectedRow();**

**int id = Integer.parseInt(model.getValueAt(selectedIndex, 0).toString());**

**String idd, name, phone, semester;**

**name = txtname.getText();**

**phone = txtphone.getText();**

**semester = txtsemester.getText();**

**try {**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**con = DriverManager.getConnection("jdbc:ucanaccess://F:/Student.accdb");**

**pst = con.prepareStatement("update Studentt set StudentName=?,Phone=?,Semester=? where ID =?");**

**pst.setString(1, name);**

**pst.setString(2, phone);**

**pst.setString(3, semester);**

**pst.setInt(4, id);**

**pst.executeUpdate();**

**JOptionPane.showMessageDialog(this, "Record Updated");**

**tableupdate();**

**txtid.setText("");**

**txtname.setText("");**

**txtphone.setText("");**

**txtsemester.setText("");**

**txtid.requestFocus();**

**} catch (ClassNotFoundException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**JOptionPane.showMessageDialog(this, ex);**

**} catch (SQLException ex) {**

**Logger.getLogger(MainFrane.class.getName()).log(Level.SEVERE, null, ex);**

**JOptionPane.showMessageDialog(this, ex);**

**}**

**}**

**private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {**

**// TODO add your handling code here:**

**DefaultTableModel model = (DefaultTableModel) jTable1.getModel();**

**int selectedIndex = jTable1.getSelectedRow();**

**txtid.setText(model.getValueAt(selectedIndex, 0).toString());**

**txtname.setText(model.getValueAt(selectedIndex, 1).toString());**

**txtphone.setText(model.getValueAt(selectedIndex, 2).toString());**

**txtsemester.setText(model.getValueAt(selectedIndex, 3).toString());**

**}**

**private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {**

**// TODO add your handling code here:**

**int dialogeresult = JOptionPane.showConfirmDialog(null, "Are You Sure?", "Warning", JOptionPane.YES\_NO\_OPTION);**

**if (dialogeresult == JOptionPane.YES\_NO\_OPTION) {**

**System.exit(0);**

**}**

**}**

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

Print FORM Source Code

**MessageFormat header = new MessageFormat("HELLO");**

**MessageFormat footer = new MessageFormat("page (0,number,integer)");**

**try {**

**jTable1.print(JTable.PrintMode.NORMAL, header, footer);**

**} catch (Exception e) {**

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

**}**

**}**

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

// TODO add your handling code here:

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

MainFrane e = new MainFrane();

e.setVisible(true);

this.setVisible(false);

}

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(MainFrane.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

/\* Create and display the form \*/

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

public void run() {

new MainFrane().setVisible(true);

}

});

}

// Variables declaration - do not modify

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.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

private javax.swing.JTextField txtid;

private javax.swing.JTextField txtname;

private javax.swing.JTextField txtphone;

private javax.swing.JTextField txtsemester;

// End of variables declaration

}

OUTPUT

