import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.TitledBorder;

import java.awt.Color;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import java.awt.Font;

import javax.swing.JComboBox;

import javax.swing.JButton;

import javax.swing.JTextField;

import javax.swing.JPasswordField;

import javax.swing.SwingConstants;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

import java.awt.event.ActionEvent;

public class Std\_Login\_Home {

public String post;

public int sem1;

public int sem2;

public void post() {

JOptionPane.showMessageDialog(null, "Notification : "+post);

}

private JFrame frame;

private JTextField btnId;

private JPasswordField btnPassword;

private JTextField btnName;

private JTextField btnRoll;

private JTextField btnBranch;

private JTextField btnSection;

private JButton btnlogout;

private JTextField cgpa;

private JTextField sgpa;

private JComboBox comboBox;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

Std\_Login\_Home window = new Std\_Login\_Home();

window.frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the application.

\*/

public Std\_Login\_Home() {

initialize();

}

/\*\*

\* Initialize the contents of the frame.

\*/

private void initialize() {

frame = new JFrame();

frame.getContentPane().setBackground(new Color(128, 128, 128));

frame.getContentPane().setForeground(new Color(128, 128, 128));

frame.setBounds(100, 100, 822, 511);

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

frame.getContentPane().setLayout(null);

JPanel panel = new JPanel();

panel.setBorder(new TitledBorder(null, "Student\_Details", TitledBorder.LEADING, TitledBorder.TOP, null, null));

panel.setBounds(10, 162, 791, 305);

frame.getContentPane().add(panel);

panel.setLayout(null);

JPanel panel\_1 = new JPanel();

panel\_1.setBorder(new TitledBorder(null, "CGPA", TitledBorder.LEADING, TitledBorder.TOP, null, null));

panel\_1.setBounds(396, 11, 385, 283);

panel.add(panel\_1);

panel\_1.setLayout(null);

JLabel lblCgpa = new JLabel("CGPA");

lblCgpa.setFont(new Font("Tahoma", Font.BOLD, 20));

lblCgpa.setBounds(21, 35, 136, 25);

panel\_1.add(lblCgpa);

JLabel lblSemister = new JLabel("Semister");

lblSemister.setFont(new Font("Tahoma", Font.BOLD, 20));

lblSemister.setBounds(21, 83, 136, 25);

panel\_1.add(lblSemister);

JLabel lblSgpa = new JLabel("SGPA");

lblSgpa.setFont(new Font("Tahoma", Font.BOLD, 20));

lblSgpa.setBounds(21, 139, 136, 25);

panel\_1.add(lblSgpa);

String[] colums = {"","Semister-1","Semister-2"};

comboBox = new JComboBox(colums);

comboBox.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

int indx = comboBox.getSelectedIndex();

if(indx == 1)

sgpa.setText(""+sem1);

else if(indx == 2)

sgpa.setText(""+sem2);

}

});

comboBox.setBounds(198, 88, 158, 22);

panel\_1.add(comboBox);

cgpa = new JTextField();

cgpa.setEditable(false);

cgpa.setBounds(198, 41, 158, 20);

panel\_1.add(cgpa);

cgpa.setColumns(10);

sgpa = new JTextField();

sgpa.setEditable(false);

sgpa.setBounds(198, 145, 158, 20);

panel\_1.add(sgpa);

sgpa.setColumns(10);

JLabel lblNewLabel = new JLabel("Name");

lblNewLabel.setBackground(new Color(64, 0, 64));

lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 20));

lblNewLabel.setBounds(21, 46, 136, 25);

panel.add(lblNewLabel);

JLabel lblRollNumber = new JLabel("Roll Number");

lblRollNumber.setFont(new Font("Tahoma", Font.BOLD, 20));

lblRollNumber.setBounds(21, 96, 136, 25);

panel.add(lblRollNumber);

JLabel lblBranch = new JLabel("Branch");

lblBranch.setFont(new Font("Tahoma", Font.BOLD, 20));

lblBranch.setBounds(21, 147, 136, 25);

panel.add(lblBranch);

JLabel lblSection = new JLabel("Section");

lblSection.setFont(new Font("Tahoma", Font.BOLD, 20));

lblSection.setBounds(21, 201, 136, 25);

panel.add(lblSection);

btnName = new JTextField();

btnName.setEditable(false);

btnName.setBounds(195, 52, 178, 20);

panel.add(btnName);

btnName.setColumns(10);

btnRoll = new JTextField();

btnRoll.setEditable(false);

btnRoll.setColumns(10);

btnRoll.setBounds(195, 102, 178, 20);

panel.add(btnRoll);

btnBranch = new JTextField();

btnBranch.setEditable(false);

btnBranch.setColumns(10);

btnBranch.setBounds(195, 153, 178, 20);

panel.add(btnBranch);

btnSection = new JTextField();

btnSection.setEditable(false);

btnSection.setColumns(10);

btnSection.setBounds(195, 207, 178, 20);

panel.add(btnSection);

JPanel panel\_2 = new JPanel();

panel\_2.setBorder(new TitledBorder(null, "Login\_Page", TitledBorder.LEADING, TitledBorder.TOP, null, null));

panel\_2.setBounds(10, 11, 791, 140);

frame.getContentPane().add(panel\_2);

panel\_2.setLayout(null);

JLabel lblNewLabel\_2 = new JLabel("Student ID");

lblNewLabel\_2.setFont(new Font("Tahoma", Font.BOLD, 30));

lblNewLabel\_2.setBounds(20, 11, 218, 57);

panel\_2.add(lblNewLabel\_2);

btnId = new JTextField();

btnId.setColumns(10);

btnId.setBounds(248, 37, 218, 20);

panel\_2.add(btnId);

JLabel lblPassword = new JLabel("password");

lblPassword.setFont(new Font("Tahoma", Font.BOLD, 30));

lblPassword.setBounds(20, 79, 218, 57);

panel\_2.add(lblPassword);

btnPassword = new JPasswordField();

btnPassword.setBounds(248, 105, 218, 20);

panel\_2.add(btnPassword);

JPanel panel\_3 = new JPanel();

panel\_3.setBounds(487, 37, 294, 27);

panel\_2.add(panel\_3);

panel\_3.setLayout(null);

JLabel btnNotification = new JLabel("");

btnNotification.setHorizontalAlignment(SwingConstants.CENTER);

btnNotification.setBounds(0, 0, 294, 25);

panel\_3.add(btnNotification);

JButton btnlog = new JButton("Login");

btnlog.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

try {

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/project?useSSL=false","root","1234");

String username = btnId.getText();

String pass = btnPassword.getText();

Statement stmt = con.createStatement();

//String sql = "select \* from student where roll='"+username+"' and password='"+pass+"'";

String sql = "select Name,Roll,Branch,Section from student where roll='"+username+"' and password='"+pass+"'";

//Execute Query

ResultSet rs = stmt.executeQuery(sql);

if(rs.next()) {

//JOptionPane.showMessageDialog(null, "Connected");

String name = rs.getString(1);

String branch = rs.getString(3);

String roll = rs.getString(2);

String section = rs.getString(4);

btnName.setText(name);

btnBranch.setText(branch);

btnRoll.setText(roll);

btnSection.setText(section);

btnNotification.setText("=> Login Successful <=");

btnId.setEditable(false);

btnPassword.setEditable(false);

btnlog.setEnabled(false);

btnlogout.setEnabled(true);

//btnName.setText(sql)

//Semister - 1

String semi = "select C,BC from First\_Sem where roll='"+username+"'";

ResultSet s = stmt.executeQuery(semi);

if(s.next()) {

String C = s.getString(1);

String BC = s.getString(2);

int cgp = (Integer.valueOf(C) + Integer.valueOf(BC))/2;

if(cgp>90) {

sem1 = 10;

// cgpa.setText(""+10);

}

else if(cgp>80 && cgp<=90) {

sem1 = 9;

// cgpa.setText(""+9);

}

else {

sem1 = 7;

}

}

}

else {

if(username.equals("") & pass.equals("")) btnNotification.setText("=> Enter UserId and Password <=");

else if(username.length()==0) btnNotification.setText("=> Enter Student ID <=");

else if(pass.length()==0) btnNotification.setText("=> Enter Password <=");

else

btnNotification.setText("=> Invalid User <=");

}

}

catch(Exception xe) {

JOptionPane.showMessageDialog(null, xe);

}

//Semister -2

sem2();

cgpa.setText(""+((sem1+sem2)/2));

}

private void sem2() {

// TODO Auto-generated method stub

try {

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/project?useSSL=false","root","1234");

String username = btnId.getText();

String pass = btnPassword.getText();

Statement stmt = con.createStatement();

//String sql = "select \* from student where roll='"+username+"' and password='"+pass+"'";

String semi2 = "select Java,DBMS from Sec\_Sem where roll='"+username+"'";

ResultSet s2 = stmt.executeQuery(semi2);

if(s2.next()) {

String Java = s2.getString(1);

String DBMS = s2.getString(2);

int cgp1 = (Integer.valueOf(Java) + Integer.valueOf(DBMS))/2;

if(cgp1>90) {

sem2 = 10;

// cgpa.setText(""+10);

}

else if(cgp1>80 && cgp1<=90) {

sem2 = 9;

// cgpa.setText(""+9);

}

else {

sem2=7;

}

}

}

catch(Exception xe) {

JOptionPane.showMessageDialog(null, xe);

}

}

});

btnlog.setFont(new Font("Tahoma", Font.BOLD, 20));

btnlog.setBounds(649, 77, 132, 48);

panel\_2.add(btnlog);

btnlogout = new JButton("Logout");

btnlogout.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

btnId.setEditable(true);

btnPassword.setEditable(true);

btnNotification.setText("=> Logout Successful <=");

btnlogout.setEnabled(false);

btnlog.setEnabled(true);

btnName.setText("");

btnBranch.setText("");

btnRoll.setText("");

btnSection.setText("");

btnId.setText("");

btnPassword.setText("");

cgpa.setText("");

sgpa.setText("");

String[] colums = {""};

comboBox = new JComboBox(colums);

}

});

btnlogout.setEnabled(false);

btnlogout.setFont(new Font("Tahoma", Font.BOLD, 20));

btnlogout.setBounds(497, 79, 132, 48);

panel\_2.add(btnlogout);

}

}