**Baseball Registration Form**

**Application:**

The application is developed to create a Baseball Registration with a login validation.

**Tools Used:**

The frontend is developed using java swing jdbc connectivity in eclipse. The backend is developed using PhP/MySQL connected with that of the local host.

The data base has to be created initially, which consists of two tables namely “login” and “registration”. The login table consists of only two attributes the userid and password. The login table consists of only one record which has “user” under userid and “123” as password. The registration consists of six attributes. They are “name, mobile, gender, dob, address, eventdate”. This consists of few records and the registered user’s record will be updated in the table.

Within the coding the connectivity between the two api’s is established by means of sql connector with that of the local host.

The jdbc project consists of three classes (i) login.java (ii) registration.java (iii) Main2.java. The class login consists of the pseudo code of the login form. If the user id is not “user” then the user cannot enter through the registration process as the application is meant only for admins.

**Login.java**

// Java program to implement

// a Simple Registration Form

// using Java Swing

import java.sql.\*;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

import java.awt.Color;

import java.awt.Font;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.io.RandomAccessFile;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPasswordField;

import javax.swing.JTextField;

public class Login

extends JFrame

implements ActionListener {

// Components of the Form

private Container c;

private JLabel l1;

private JLabel l2;

private JLabel l3;

private JTextField tf1;

private JTextField tf2;

private JTextField tf3;

private JButton btn1;

private JPasswordField p1;

private JLabel res;

public Login()

{

setTitle("Login");

setBounds(300, 90, 900, 600);

setDefaultCloseOperation(EXIT\_ON\_CLOSE);

setResizable(false);

c = getContentPane();

c.setLayout(null);

l1 = new JLabel("Login Form:");

l1.setFont(new Font("Arial", Font.PLAIN, 30));

l1.setSize(500, 30);

l1.setLocation(300, 30);

c.add(l1);

l2 = new JLabel("Enter Email");

l2.setFont(new Font("Arial", Font.PLAIN, 20));

l2.setSize(150, 40);

l2.setLocation(200, 150);

c.add(l2);

l3 = new JLabel("Enter Password");

l3.setFont(new Font("Arial", Font.PLAIN, 20));

l3.setSize(150, 40);

l3.setLocation(200, 250);

c.add(l3);

tf1 = new JTextField();

tf1.setFont(new Font("Arial", Font.PLAIN, 15));

tf1.setSize(250, 30);

tf1.setLocation(400, 150);

c.add(tf1);

tf2 = new JPasswordField();

tf2.setFont(new Font("Arial", Font.PLAIN, 15));

tf2.setSize(250, 30);

tf2.setLocation(400, 250);

c.add(tf2);

btn1 = new JButton("Submit");

btn1.setFont(new Font("Arial", Font.PLAIN, 15));

btn1.setSize(200, 50);

btn1.setLocation(350, 350);

btn1.addActionListener(this);

c.add(btn1);

setVisible(true);

}

// method actionPerformed()

// to get the action performed

// by the user and act accordingly

public void actionPerformed(ActionEvent e)

{

try {

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/telephone","root","");

System.out.println("Connction Sucess");

Statement stmt=conn.createStatement();

String sql = "select \* from login where username='"+tf1.getText()+"'";

ResultSet rs=stmt.executeQuery(sql);

if(rs.next()) {

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

new RegistrationForm();

}

else {

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

}

}catch(Exception s) {

System.out.println(s);

}

// if (e.getSource() == btn1) {

// JOptionPane.showMessageDialog(null,"Login Successful");

// new RegistrationForm();

// }

// else {

// JOptionPane.showMessageDialog(null,"No Login Successful");

// }

}

}

**Registration.java**

import java.sql.\*;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

import java.awt.Color;

import java.awt.Font;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.io.RandomAccessFile;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPasswordField;

import javax.swing.JTextField;

public class RegistrationForm

extends JFrame

implements ActionListener {

// Components of the Form

private Container c;

private JLabel title;

private JLabel name;

private JTextField tname;

private JLabel mno;

private JTextField tmno;

private JLabel gender;

private JTextField tgender;

private JLabel dob;

private JTextField tdob;

private JLabel add;

private JTextArea tadd;

private JLabel eventdate;

private JTextArea teventdate;

private JCheckBox term;

private JButton sub;

private JButton reset;

private JTextArea tout;

private JLabel res;

private JTextArea resadd;

// constructor, to initialize the components

// with default values.

public RegistrationForm()

{

setTitle("Baseball Registration Form");

setBounds(300, 90, 900, 600);

setDefaultCloseOperation(EXIT\_ON\_CLOSE);

setResizable(false);

c = getContentPane();

c.setLayout(null);

title = new JLabel("Baseball Registration Form");

title.setFont(new Font("Arial", Font.PLAIN, 30));

title.setSize(500, 30);

title.setLocation(300, 30);

c.add(title);

name = new JLabel("Name");

name.setFont(new Font("Arial", Font.PLAIN, 20));

name.setSize(100, 20);

name.setLocation(100, 100);

c.add(name);

tname = new JTextField();

tname.setFont(new Font("Arial", Font.PLAIN, 15));

tname.setSize(190, 20);

tname.setLocation(200, 100);

c.add(tname);

mno = new JLabel("Mobile");

mno.setFont(new Font("Arial", Font.PLAIN, 20));

mno.setSize(100, 20);

mno.setLocation(100, 150);

c.add(mno);

tmno = new JTextField();

tmno.setFont(new Font("Arial", Font.PLAIN, 15));

tmno.setSize(150, 20);

tmno.setLocation(200, 150);

c.add(tmno);

gender = new JLabel("Gender");

gender.setFont(new Font("Arial", Font.PLAIN, 20));

gender.setSize(100, 20);

gender.setLocation(100, 200);

c.add(gender);

tgender = new JTextField();

tgender.setFont(new Font("Arial", Font.PLAIN, 15));

tgender.setSize(150, 20);

tgender.setLocation(200, 200);

c.add(tgender);

dob = new JLabel("DOB");

dob.setFont(new Font("Arial", Font.PLAIN, 20));

dob.setSize(100, 20);

dob.setLocation(100, 250);

c.add(dob);

tdob = new JTextField();

tdob.setFont(new Font("Arial", Font.PLAIN, 15));

tdob.setSize(150, 20);

tdob.setLocation(200, 250);

c.add(tdob);

add = new JLabel("Address");

add.setFont(new Font("Arial", Font.PLAIN, 20));

add.setSize(100, 20);

add.setLocation(100, 300);

c.add(add);

tadd = new JTextArea();

tadd.setFont(new Font("Arial", Font.PLAIN, 15));

tadd.setSize(200, 20);

tadd.setLocation(200, 300);

tadd.setLineWrap(true);

c.add(tadd);

eventdate = new JLabel("Event Date");

eventdate.setFont(new Font("Arial", Font.PLAIN, 20));

eventdate.setSize(100, 20);

eventdate.setLocation(100, 350);

c.add(eventdate);

teventdate = new JTextArea();

teventdate.setFont(new Font("Arial", Font.PLAIN, 15));

teventdate.setSize(200, 20);

teventdate.setLocation(200, 350);

teventdate.setLineWrap(true);

c.add(teventdate);

term = new JCheckBox("Accept Terms And Conditions.");

term.setFont(new Font("Arial", Font.PLAIN, 15));

term.setSize(250, 20);

term.setLocation(150, 400);

c.add(term);

sub = new JButton("Submit");

sub.setFont(new Font("Arial", Font.PLAIN, 15));

sub.setSize(100, 20);

sub.setLocation(150, 450);

sub.addActionListener(this);

c.add(sub);

reset = new JButton("Reset");

reset.setFont(new Font("Arial", Font.PLAIN, 15));

reset.setSize(100, 20);

reset.setLocation(270, 450);

reset.addActionListener(this);

c.add(reset);

tout = new JTextArea();

tout.setFont(new Font("Arial", Font.PLAIN, 15));

tout.setSize(300, 400);

tout.setLocation(500, 100);

tout.setLineWrap(true);

tout.setEditable(false);

c.add(tout);

res = new JLabel("");

res.setFont(new Font("Arial", Font.PLAIN, 20));

res.setSize(500, 25);

res.setLocation(100, 500);

c.add(res);

resadd = new JTextArea();

resadd.setFont(new Font("Arial", Font.PLAIN, 15));

resadd.setSize(200, 75);

resadd.setLocation(580, 175);

resadd.setLineWrap(true);

c.add(resadd);

setVisible(true);

}

// method actionPerformed()

// to get the action performed

// by the user and act accordingly

public void actionPerformed(ActionEvent e)

{

if (e.getSource() == sub) {

if (term.isSelected()) {

String data1 = tname.getText();

String data2 = tmno.getText();

String data3 = tgender.getText();

String data4 = tdob.getText();

String data5 = tadd.getText();

String data6 = teventdate.getText();

tout.setText(data1 + "\n"+ data2 + "\n" +data3 + "\n"+data4 + "\n"+data5+"\n"+data6);

tout.setEditable(false);

res.setText("Registration Success..");

System.out.println(data1);

try {

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/telephone","root","");

System.out.println("Connected");

Statement stmt1=conn.createStatement();

String sql1 = "insert into registration (name, mobile, gender, DOB, address, eventdate) values ('"+tname.getText()+"','"+tmno.getText()+"','"+tgender.getText()+"','"+tdob.getText()+"','"+tadd.getText()+"','"+teventdate.getText()+"')";

int rs1=stmt1.executeUpdate(sql1);

if(rs1==1) {

JOptionPane.showMessageDialog(null,"Data Successful");

new RegistrationForm();

}

else {

JOptionPane.showMessageDialog(null,"Data failed");

}

}

catch(Exception s1)

{

System.out.println(s1);

}

}

else {

tout.setText("");

resadd.setText("");

res.setText("Please accept the"

+ " terms & conditions..");

}

}

else if (e.getSource() == reset) {

String def = "";

tname.setText(def);

tadd.setText(def);

teventdate.setText(def);

tmno.setText(def);

tgender.setText(def);

tdob.setText(def);

res.setText(def);

tout.setText(def);

term.setSelected(false);

resadd.setText(def);

}

}

}

**Main2.java**

public class Main2{

public static void main(String arr[])throws Exception

{

new Login();

}

}