**Project for login,registration and updation**

**Index.jsp**

<body>

<form action=*"login"* method=*"post"*>

Name:<input type=*"text"* name=*"name"*><br>

Password:<input type=*"password"* name=*"password"*><br>

<input type=*"submit"* value=*"login"*>

<a href=*"Register.jsp"*>if new user, kindly signup</a>

</form>

</body>

**ControllerServlet.java**

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

PrintWriter pw=response.getWriter();

pw.println("updating");

String action = request.getServletPath();

pw.println(action);

String name=request.getParameter("name");

pw.println("name :" +name);

**switch**(action) {

**case** "/update" :

updateform(request,response);

}

}

**protected** **void** updateform(HttpServletRequest request, HttpServletResponse response) **throws** IOException, ServletException {

// **TODO** Auto-generated method stub

String name=request.getParameter("name");

PrintWriter pw=response.getWriter();

pw.println("name1111 :" +name);

UserDAO ud=**new** UserDAO();

RegisterBean rr=ud.updateRecord(name);

pw.println("test " +rr.getId());

request.setAttribute("details", rr);

RequestDispatcher rd=request.getRequestDispatcher("updateform.jsp");

rd.forward(request, response);

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

String action = request.getServletPath();

System.***out***.println(action);

**switch**(action) {

**case** "/login" :

logincheck(request,response);

**break**;

**case** "/register" :

register(request,response);

**case** "/updateRecord" :

updateDetails(request,response);

}

}

**protected** **void** updateDetails(HttpServletRequest request, HttpServletResponse response) **throws** IOException {

// **TODO** Auto-generated method stub

**int** id=Integer.*parseInt*(request.getParameter("id"));

String name=request.getParameter("uname");

String password=request.getParameter("upass");

String email=request.getParameter("uemail");

RegisterBean bean=**new** RegisterBean();

bean.setId(id);

bean.setName(name);

bean.setPassword(password);

bean.setEmail(email);

UserDAO ud=**new** UserDAO();

**boolean** flag= ud.updateDetails(bean);

**if**(flag) {

response.sendRedirect("updateSuccess.jsp");

}**else** {

response.sendRedirect("updateFailed.jsp");

}

}

**protected** **void** register(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

**int** id=Integer.*parseInt*(request.getParameter("id"));

String name=request.getParameter("uname");

String password=request.getParameter("upass");

String email=request.getParameter("uemail");

RegisterBean bean=**new** RegisterBean();

bean.setId(id);

bean.setName(name);

bean.setPassword(password);

bean.setEmail(email);

UserDAO ud=**new** UserDAO();

**boolean** flag=ud.insertRecord(bean);

**if**(flag) {

RequestDispatcher rd=request.getRequestDispatcher("Register\_success.jsp");

rd.forward(request, response);

}**else** {

RequestDispatcher rd=request.getRequestDispatcher("Register\_error.jsp");

rd.forward(request, response);

}

}

**protected** **void** logincheck(HttpServletRequest request, HttpServletResponse response)**throws** ServletException, IOException {

String name=request.getParameter("name");

String password=request.getParameter("password");

RegisterBean bean=**new** RegisterBean();

bean.setName(name);

bean.setPassword(password);

request.setAttribute("bean",bean);

UserDAO ud=**new** UserDAO();

**boolean** status=ud.isValidUser(name, password);

**if**(status){

RequestDispatcher rd=request.getRequestDispatcher("Login-success.jsp");

rd.forward(request, response);

}

**else**{

RequestDispatcher rd=request.getRequestDispatcher("login-error.jsp");

rd.forward(request, response);

}

}

**Login-success.jsp**

<body>

<p>You are successfully logged in!</p>

<%

RegisterBean bean=(RegisterBean)request.getAttribute("bean");

out.print("Welcome, "+bean.getName());

%>

<a href=*"update?name=*<%=bean.getName()%>*"*>update your profile</a>

</body>

**Updateform.jsp**

<body>

<% RegisterBean r1=(RegisterBean)request.getAttribute("details"); %>

<h1> update the form</h1>

<form action=*"updateRecord"* method=*"post"*>

ID : <input type=*"text"* name=*"id"* value=*"*<%=r1.getId() %>*"* > <br>

UserName : <input type=*"text"* name=*"uname"* value=*"*<%=r1.getName()%>*"* /><br/>

Email : <input type=*"text"* name=*"uemail"* value=*"*<%=r1.getEmail()%>*"* /><br/>

Password : <input type=*"password"* name=*"upass"* value=*"*<%=r1.getPassword() %>*"* /><br/>

<input type=*"submit"* value=*"update"*/>

</form>

**UserDAO.java**

**public** **class** UserDAO {

**private** String jdbcURL = "jdbc:mysql://localhost:3306/balaji";

**private** String jdbcUsername = "root";

**private** String jdbcPassword = "mysql@balaji14";

**private** **static** **final** String ***SQL*** = "SELECT \* FROM emp WHERE ename = ? and password = ?";

**protected** Connection getConnection() {

Connection connection = **null**;

**try** {

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

connection = DriverManager.*getConnection*(jdbcURL, jdbcUsername, jdbcPassword);

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

e.printStackTrace();

}

**return** connection;

}

**public** **boolean** isValidUser(String username, String password) {

**boolean** isValid = **false**;

**try** (Connection connection = getConnection();

PreparedStatement preparedStatement = connection.prepareStatement(***SQL***)) {

preparedStatement.setString(1, username);

preparedStatement.setString(2, password);

ResultSet resultSet = preparedStatement.executeQuery();

isValid = resultSet.next();

} **catch** (SQLException e) {

e.printStackTrace();

}

**return** isValid;

}

**public** **boolean** insertRecord(RegisterBean rb) {

**boolean** status=**false**;

**try** {

Connection con=getConnection();

PreparedStatement pst=con.prepareStatement("insert into emp(empno,ename,password,email)values(?,?,?,?)");

pst.setInt(1, rb.getId());

pst.setString(2, rb.getName());

pst.setString(3, rb.getPassword());

pst.setString(4, rb.getEmail());

**int** i=pst.executeUpdate();

System.***out***.println("value of i is" +i);

**if**(i>0) {

status=**true**;

}

}**catch**(SQLException e) {

System.***out***.println(e);

}

**return** status;

}

**public** RegisterBean updateRecord(String name) {

System.***out***.println("update name "+name);

RegisterBean rb=**new** RegisterBean();

**try** {

Connection con=getConnection();

Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select \* from emp where ename='"+name+"' ");

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

System.***out***.println("inside while loop");

rb.setId(rs.getInt(1));

rb.setName(rs.getString(2));

rb.setPassword(rs.getString(3));

rb.setEmail(rs.getString(4));

}

con.close();

}**catch**(SQLException e) {

System.***out***.println(e);

}

**return** rb;

}

**public** **boolean** updateDetails(RegisterBean rk) {

**boolean** status=**false**;

**try** {

Connection con=getConnection();

PreparedStatement ps=con.prepareStatement("update emp set empno=?,ename=?,password=?,email=? where empno=?");

ps.setInt(1, rk.getId());

ps.setString(2, rk.getName());

ps.setString(3, rk.getPassword());

ps.setString(4, rk.getEmail());

ps.setInt(5, rk.getId());

**int** i=ps.executeUpdate();

**if**(i>0) {

status=**true**;

}

}**catch**(SQLException e) {

System.***out***.println(e);

}

**return** status;

}

**RegisterBean.java**

**public** **class** RegisterBean {

**private** **int** id;

**private** String name,password,email;

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

}

**UpdateSucces.jsp**

<body>

<h1>form updated</h1>

</body>

**UpdateFailed.jsp**

<body>

<h1>not updated,try again!</h1>

</body>