**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**

@WebServlet("/")

**public** **class** ControllerServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** ControllerServlet() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

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

response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@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);

}

}

**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);

}

}

}

**UserDAO.java**

**package** com.dao;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** com.model.RegisterBean;

**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;

}

}

**Model class**

**RegisterBean.java**

**package** com.model;

**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;

}

}

Loginsucces.jsp

<body>

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

<%

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

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

%>

</body>

Login-error.jsp

<body>

<p>Sorry! username or password error</p>

<%@ include file=*"index.jsp"* %>

</body>

Registersucces.jsp

<body>

<h1>Register successfull</h1>

<a href=*"index.jsp"*>login</a>

</body>

Register-error.jsp

<body>

<h1>Register Unsuccessfull, try again</h1>

<%@ include file=*"Register.jsp"* %>

</body>