Practical No 08

Title : Study and implement concept of MVC Architecture.

Name: Abhishek.U.Jakkal

Roll-No: MC16F14F001

**index.jsp**

<form action="ControllerServlet" method="post">

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

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

<input type="submit" value="login">

</form>

**ControllerServlet**

**package** com.java;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

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

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();

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

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

        LoginBean bean=**new** LoginBean();

        bean.setName(name);

        bean.setPassword(password);

        request.setAttribute("bean",bean);

**boolean** status=bean.validate();

**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);

        }

    }

    @Override

**protected** **void** doGet(HttpServletRequest req, HttpServletResponse resp)

**throws** ServletException, IOException {

        doPost(req, resp);

    }

}

**LoginBean.java**

**package** com.java;

**public** **class** LoginBean {

**private** String name,password;

**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** **boolean** validate(){

**if**(password.equals("geca")){

**return** **true**;

    }

**else**{

**return** **false**;

    }

}

}

**login-success.jsp**

<%@page **import**="com.java.LoginBean"%>

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

<%

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

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

%>

**login-error.jsp**

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

<%@ include file="index.jsp" %>

**web.xml**

**<web-app** >

**<servlet>**

**<servlet-name>**s1**</servlet-name>**

**<servlet-class>**com.java.ControllerServlet**</servlet-class>**

**</servlet>**

**<servlet-mapping>**

**<servlet-name>**s1**</servlet-name>**

**<url-pattern>**/ControllerServlet**</url-pattern>**

**</servlet-mapping>**

**</web-app>**

Output:

