**Java Web开发**

**实验四**

**作业报告**

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| --- | --- |
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# 实验题目

实验内容：

1、 将实验三的三题进行改写，在Servlet控制器中获取信息，验证后根据具体情况跳转到对应页面，成功请求转发到成功页面，否则重定向跳转到失败页面（可将动态验证码添加在页面上）

\* 登录页面，提交用户名、密码及身份

改写一：支持中文，确保两种表单提交方式（get、post）都支持中文，另外对程序的空对象情况进行处理。

改写二：比如登录页面除了之前的用户名、密码另外再加上所在专业（计算机、软件工程及网络工程，单选框或下拉列表框皆可），登录成功后根据身份进行跳转，进入对应的页面，页面需显示\*\*\*\*专业学号姓名。登录失败转向失败页面，并进行报错！

\* 猜数功能，猜错猜对及输入不正确的情况分别处理

\* 注册功能、发帖功能等皆可

2、 文件上传（选做）

利用Servlet中的Part接口实现文件的上传（可附加在第

1题）中。

# 分析与设计

根据题目要求，计划设计几个文件来完成实验，每个文件的名字、作用。如果是类，要求写出类的变量和方法

# 关键源码（部分）

**ch3.java:**

package ex3;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/servlet/\*")

public class ch3 extends HttpServlet {

/\*\*

\* Constructor of the object.

\*/

public ch3() {

super();

}

/\*\*

\* Destruction of the servlet. <br>

\*/

public void destroy() {

super.destroy(); // Just puts "destroy" string in log

// Put your code here

}

/\*\*

\* The doGet method of the servlet. <br>

\*

\* This method is called when a form has its tag value method equals to get.

\*

\* @param request the request send by the client to the server

\* @param response the response send by the server to the client

\* @throws ServletException if an error occurred

\* @throws IOException if an error occurred

\*/

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.01 Transitional//EN\">");

out.println("<HTML>");

out.println(" <HEAD><TITLE>A Servlet</TITLE></HEAD>");

out.println(" <BODY>");

out.print(" This is ");

out.print(this.getClass());

out.println(", using the GET method");

out.println(" </BODY>");

out.println("</HTML>");

out.flush();

out.close();

}

/\*\*

\* The doPost method of the servlet. <br>

\*

\* This method is called when a form has its tag value method equals to post.

\*

\* @param request the request send by the client to the server

\* @param response the response send by the server to the client

\* @throws ServletException if an error occurred

\* @throws IOException if an error occurred

\*/

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=utf-8");

PrintWriter out = response.getWriter();

String userName=new String(request.getParameter("userName").getBytes("ISO8859-1"),"UTF-8");

//userName=new String(userName.getBytes("ISO-8859-1"),"UTF-8");

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

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

String major=new String(request.getParameter("major").getBytes("ISO8859-1"),"UTF-8");

out.println("<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.01 Transitional//EN\">");

out.println("<HTML>");

out.println(" <HEAD><TITLE>A Servlet</TITLE></HEAD>");

out.println(" <BODY>");

if(!userName.trim().equals("")&&!password.trim().equals("")&&userName.length()<=8&&

userName.length()>=2&&password.length()==6&&number!="")

{

out.println(userName+"登陆成功！"+"</p>"+"姓名："+userName+"</p>"+"学号:"+number

+"</p>"+"专业:"+major);

}

else

{

out.println(userName+"登录失败！<br/>");

out.println("<a href='../index.jsp'>返回</a>");

}

out.println(" </BODY>");

out.println("</HTML>");

out.flush();

out.close();

}

/\*\*

\* Initialization of the servlet. <br>

\*

\* @throws ServletException if an error occurs

\*/

public void init() throws ServletException {

// Put your code here

}

}

**index.jsp:**

<%@ page language=*"java"* import=*"java.util.\*"* pageEncoding=*"UTF-8"*%>

<%

String path = request.getContextPath();

String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";

%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<base href=*"*<%=basePath%>*"*>

<title>My JSP 'index.jsp' starting page</title>

<meta http-equiv=*"pragma"* content=*"no-cache"*>

<meta http-equiv=*"cache-control"* content=*"no-cache"*>

<meta http-equiv=*"expires"* content=*"0"*>

<meta http-equiv=*"keywords"* content=*"keyword1,keyword2,keyword3"*>

<meta http-equiv=*"description"* content=*"This is my page"*>

<!--

<link rel="stylesheet" type="text/css" href="styles.css">

-->

</head>

<body>

<form method=*"post"* action=*"*<%=path%>*/servlet/hello.do"*>

<table>

　　<tr><td>用户名：</td><td><input type=*"text"* name=*"userName"* value=*""*/></td></tr>

　　<tr><td>密码：</td><td><input type=*"password"* name=*"password"* value=*""*/></td></tr>

<tr><td>学号：</td><td><input type=*"text"* name=*"number"* value=*""*

onkeyup="if(!(/^[0-9|\.]{0,8}$/.test(this.value))){this.value='';}"/></td></tr>

<tr><td>专业：</td><td><select id=*"major"* name=*"major"*>

<option value=*""*>请选择...</option>

<option value=*"计算机科学与技术"*>计算机科学与技术</option>

<option value=*"软件工程"*>软件工程</option>

<option value=*"网络工程"*>网络工程</option></select><td><tr>

<tr><td>性别:</td><td> <input type=*"radio"* name=*"R"* value=*"男"* checked=*"do"*>男<input type=*"radio"*

name=*"R"* value=*"女"* checked=*"do"*>女</td></tr>

　　<tr><td><input type=*"submit"* value=*"登录"*/></td><td></td></tr>

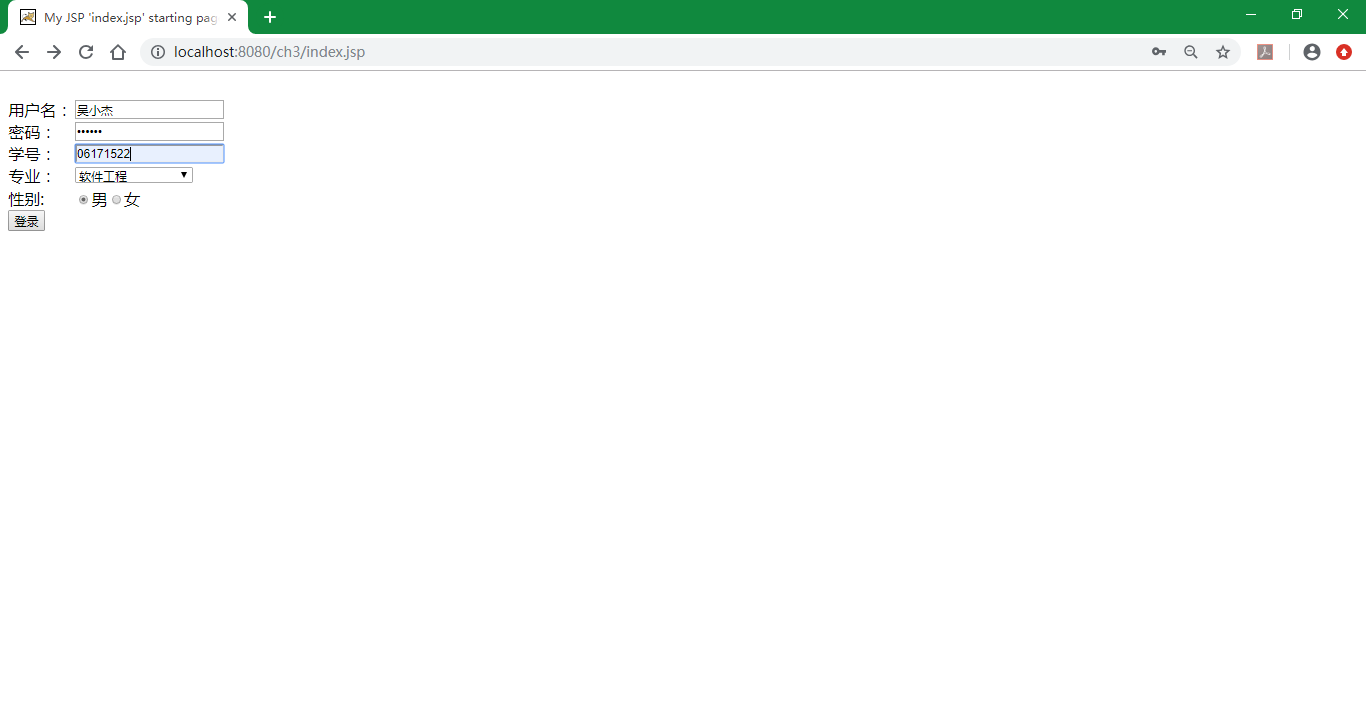
</table>

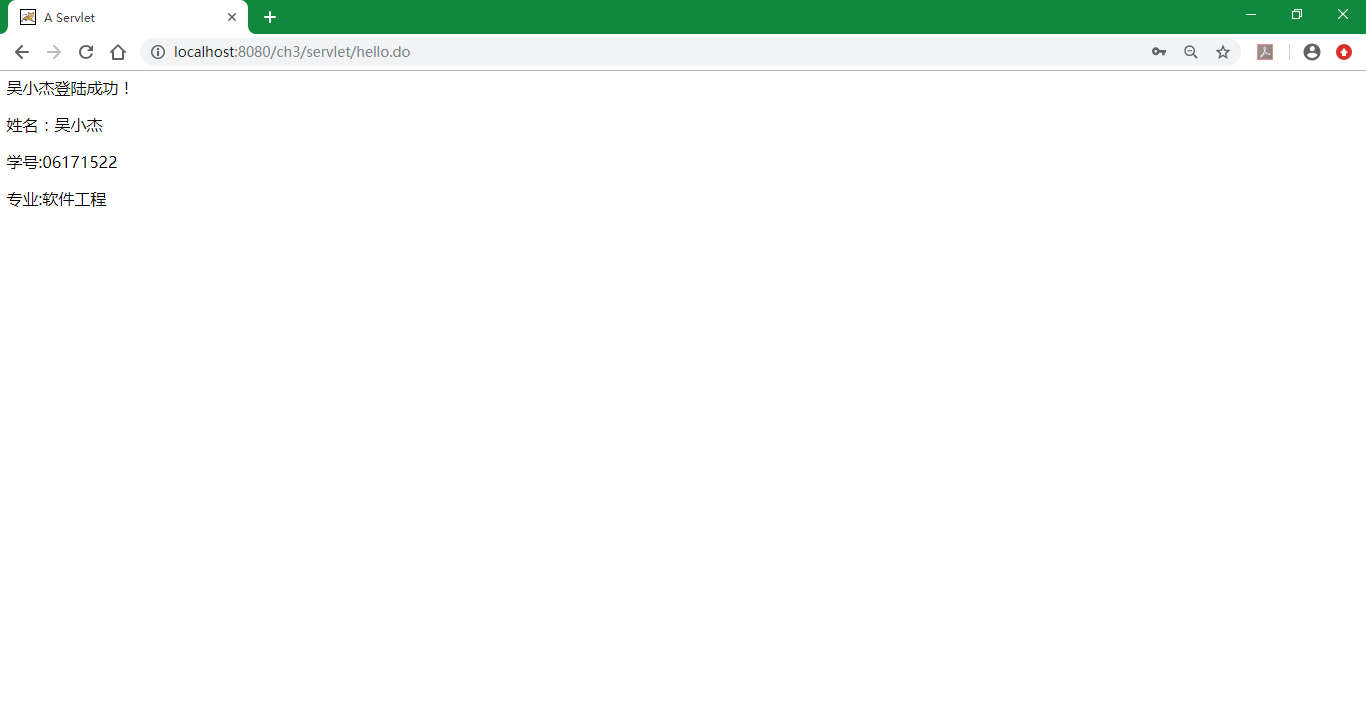
</form>

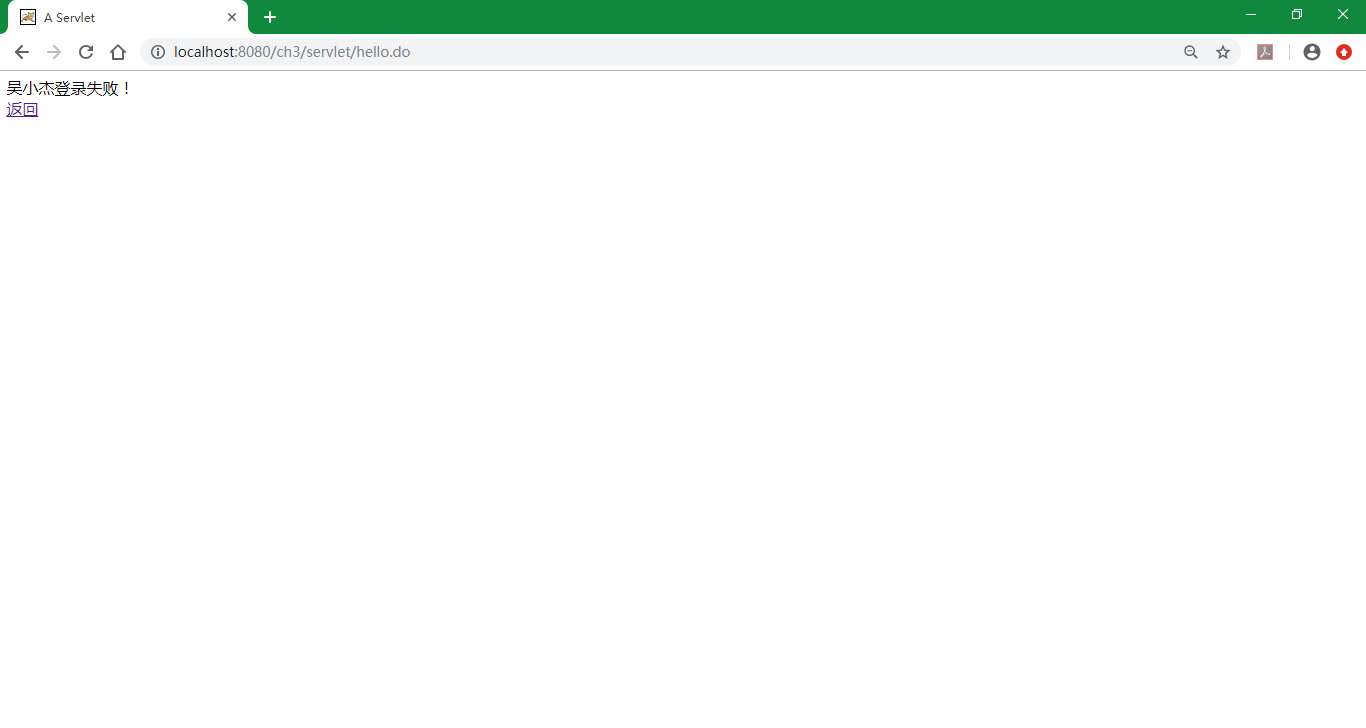
</body>

</html>

# 运行效果图







实验在浏览器下运行的结果截图，并进行解释。

# 收获与问题

谈一谈你在本实验中所收获的内容及问题。