**Java Web开发**

**实验四**

**作业报告**

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| --- | --- |
| 学 院 | 计算机 |
| 所在系 班 级 | 2017软件工程系15班 |
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| 完 成 时 间 | 2018年5月- |

# 实验题目

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。

实验报告：

将两题完成的

# 分析与设计

Register.html——————注册界面

Login.Java——————登录页面

GuessNum.java————————猜数

# 关键源码（部分）

Register.html

<!DOCTYPE html>

<html>

<head>

<title>登陆</title>

<meta charset=*"utf-8"*>

</head>

<body>

<form method=*"post"* action=*"register.do"* >

请输入要注册的账户：<input type=*"text"* name=*"username"* ><br><br>

请输入要注册的学号：<input type=*"text"* name=*"id"* ><br><br>

请输入密码(6-16位)：<input type=*"text"* name=*"password"*><br><br>

选择专业：

<select name=*"major"* size=*"4"*>

<option value=*"计算机"* selected=*"selected"*>计算机</option>

<option value=*"软件工程"*>软件工程</option>

<option value=*"网络工程"*>网络工程</option>

</select><br><br>

<input type=*"submit"* value=*"注册"* name=*"submit"*>

</form>

</body>

</html>

Login.Java

package chiu;

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( "/login.do")

public class Login extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

manageGetAndPost(request,response);

}

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

request.setCharacterEncoding("utf-8");

manageGetAndPost(request,response);

}

private void manageGetAndPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException{

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

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

if(isLogin(username,password)){

request.setAttribute("id","04171429");

request.getRequestDispatcher("guessNumber.view")

.forward(request, response);

}else{

request.getRequestDispatcher("errors.view")

.forward(request, response);

}

}

private boolean isLogin(String username,String password){

if(username!=null||password!=null){

if(username.equals("赵美雯")||password.equals("04171429"))

return true;

}

return false;

}

}

GuessNum.java

package chiu;

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( "/guessNum.do")

public class GuessNum extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

guessGN(request,response);

}

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

request.setCharacterEncoding("utf-8");

guessGN(request,response);

}

private void guessGN(HttpServletRequest request, HttpServletResponse response)

throws IOException{

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

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

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

PrintWriter out = response.getWriter();

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

out.println("<HTML>");

out.println(" <HEAD><TITLE>猜数页面</TITLE></HEAD>");

out.println(" <BODY>");

out.println("<h1>登陆成功！</h1>");

out.println("<h3>你好呀！来自"+major+"的"+username+request.getAttribute("id")+"</h3>");

out.println("<p>来玩一个猜数游戏吗？输入一个0~10的数字试试看吧！</p>");

out.println("<form method=\"post\" action=\"Trueorfalse.do\" >");

out.println("请输入数字：<input type=\"text\" name=\"number\" ><br><br>");

out.println("<input type=\"submit\" value=\"确定\">");

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

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

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

out.flush();

out.close();

}

}

TrueorFalse.java

package chiu;

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( "/trueorfalse.do")

public class Trueorfalse extends HttpServlet {

private final int NUMBER=3;

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String msg="";

int num=Integer.parseInt(request.getParameter("number"));

if(num==NUMBER){

msg="猜对了";

}else if(num>=1&&num<=10){

msg="猜错了（提示：它比5小）";

}else{

msg="你输入东西的格式好像有点问题哦~";

}

request.setCharacterEncoding("utf-8");

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

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.println("<h1>"+msg+"</h1><br><br>");

out.println("<a href=\"index.html\">点击返回登陆才能再来一次哦</a>");

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

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

out.flush();

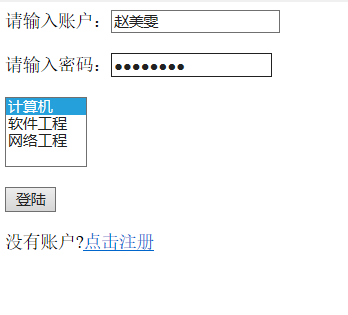
out.close();

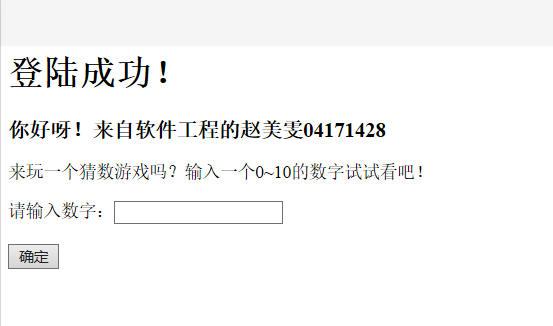
}

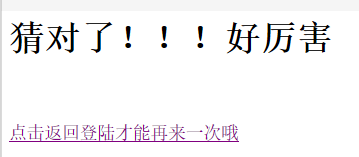
}

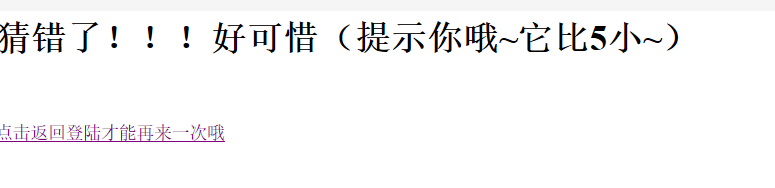
# 运行效果图

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。