**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！

# 分析与设计

关键源码（部分）

public class Login extends HttpServlet {

/\*\*

\*

\*/

private static final long serialVersionUID = 1L;

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

request.setCharacterEncoding("UTF-8");

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

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

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

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

List<String> errors = new ArrayList<String>();

if (null == username || username == "" || username.length() < 6

|| username.length() > 8) {

errors.add("用户名不能为空，并且长度在六位和八位之间！");

}

if (null == password || password == "" || password.length() != 6) {

errors.add("密码不能为空，并且长度是六位！");

}

if (null == usercode || usercode == "") {

errors.add("学号不能为空！");

}

if (null == username || username == "" || username.length() < 6

|| username.length() > 8 || null == password || password == ""

|| password.length() != 6 || null == usercode || usercode == "") {

request.setAttribute("errors", errors);

request.getRequestDispatcher("/fail.jsp")

.forward(request, response);

} else {

request.setAttribute("username", username);

request.setAttribute("password", password);

request.setAttribute("usercode", usercode);

request.setAttribute("profession", profession);

request.getRequestDispatcher("/success.jsp").forward(request,

response);

}

2

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

**throws** ServletException, IOException {

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

Dao da = **new** Daoimpl();

String code = (request.getParameter("vcode")).toLowerCase();

String text = (String) request.getSession().getAttribute("text");

String username = **new** String(

(request.getParameter("username")).getBytes("iso-8859-1"),"utf-8");

String M=getStudentMNN(username);

String[] MNN=M.split("\t");

request.getSession().setAttribute("username", username);

request.getSession().setAttribute("major", MNN[0]);

request.getSession().setAttribute("num", MNN[1]);

request.getSession().setAttribute("name", MNN[2]);

System.out.println(code + " " + text);

System.out.println("账号 :" + username);

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

**if** (da.checklogin(username, password) && text.equals(code)) {

request.getRequestDispatcher(SUCCESS\_VIEW).forward(request,

response);

request.getSession().removeAttribute(text);

} **else** {

response.sendRedirect(ERROR\_VIEW);

}

}

**public** String **getStudentMNN**(String username) **throws** IOException {

Students student = **new** Students();

String userhome = USERS + "/" + username + "/profile";

BufferedReader reader = **new** BufferedReader(**new** FileReader(userhome));

String[] count = reader.readLine().split("\t");

student.setMNN(count[0], count[2], count[3], count[4]);

**return** student.getMNN();

}

}

3

**public** **class** Error **extends** HttpServlet {

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

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

**throws** ServletException, IOException {

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

PrintWriter out = response.getWriter();

out.println("<!DOCTYPE HTML PUBLIC "

+ "'-//W3C//DTD HTML 4.01 Transitional//E'>");

out.println("<html>");

out.println("<head>");

out.println("<meta http-equiv='Content-Type' "

+ "content='text/html; charset=UTF-8'>");

out.println("<title>新增会员失败</title>");

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

out.println("<body background='img/c.jpg'>");

out.println("<h1>新增会员失败</h1>");

out.println("<u1 style='color:rgb(255,0,0);'>");

@SuppressWarnings("unchecked")

List<String> errors = (List<String>) request.getAttribute("errors");

**for** (String error : errors) {

out.println("<li>" + error + "</li>");

}

out.println("</u1>");

out.println("<a href='register.jsp'>返回注册页面</a>");

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

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

out.close();

}

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 'fail.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>

登录失败！原因可能是：<br>

<%

List<String> errors = (List<String>)request.getAttribute("errors");

for(String error:errors){

out.println(error+"<br>");

}

%>

</body>

</html>

# 运行效果图





