**Java Web**开发

实验四

作业报告

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| 学院 | 计算机 |
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1. **实验题目**

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！

**二、 分析与设计**

**三、 关键源码（部分）**

<body bgcolor=*skyblue*>

<h1>登录页面</h1> <br>

<FORM action=*"ch4login.do"* method=*'post'* name=*form*>

<table align=*"left"*>

<tr>

<td align=*"right"*> 学号:</td><td><INPUT type=*"text"* name=*"number"* size=*'25'* maxlength=*'100'*></td>

</tr>

<tr>

<td align=*"right"*> 姓名:</td><td><INPUT type=*"text"* name=*"username"* size=*'25'* maxlength=*'100'*></td>

</tr>

<tr>

<td align=*"right"*>密码:</td><td><INPUT type=*"password"* name=*"password"* size=*'25'* maxlength=*'16'*></td>

</tr>

<tr>

<td align=*"right"*>专业：</td>

<td>

<select name=*"pro"* id=*"pro"*>

<option value=*"计算机"*>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>

</td>

</tr>

<tr>

<td></td><td align=*"left"*><INPUT TYPE=*"submit"* value=*"登录"* name=*"submit"*></td>

</tr>

</body>

**public** **class** ch4login **extends** HttpServlet {

**private** **final** String SUCCESS\_VIEW = "ch4success.view";

**private** **final** String ERROR\_VIEW = "ch4fail.view";

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

**throws** ServletException, IOException {

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

request.setCharacterEncoding("utf-8");

response.setCharacterEncoding("utf-8");

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

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

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

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

**if**(number.isEmpty())

{

errors.add("your number is empty!");

}

**if**(username.isEmpty()){

errors.add("user existed or user name is null!");

}

**if**(password.isEmpty()){

errors.add("please check your password again!");

}

String resultPage = ERROR\_VIEW;

**if**(!errors.isEmpty()){

request.setAttribute("errors",errors);

}**else**{

resultPage =SUCCESS\_VIEW;

}

request.getRequestDispatcher(resultPage).forward(request,response);

out.flush();

out.close();

**public** **class** ch4success **extends** HttpServlet {

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

**throws** ServletException, IOException {

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

request.setCharacterEncoding("utf-8");

response.setCharacterEncoding("utf-8");

PrintWriter out = response.getWriter();

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

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

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

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

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

out.println("<HTML>");

out.println(" <HEAD> ");

out.println(" <title>Success</title>");

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

out.println("<body>");

out.println("<h1>Login success!</h1>");

out.println("<h1>Welcome, " +pro+" "+number+" "+username+ "</h1>");

out.println("<a href='login.html'>Back to home</a>");

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

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

out.flush();out.close();

**public** **class** ch4fail **extends** HttpServlet {

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

**throws** ServletException, IOException {

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

request.setCharacterEncoding("utf-8");

response.setCharacterEncoding("utf-8");

response.setContentType("text/html");

request.setCharacterEncoding("UTF-8");

PrintWriter out = response.getWriter();

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

out.println("<HTML>");

out.println(" <HEAD> ");

out.println(" <title>注册失败</title>");

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

out.println(" <BODY>");

out.print("<h1>注册失败!</h1>");

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

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

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

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

}

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

out.println("<a href='login.html'>返回首页</a>");

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

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

out.flush();

out.close();

**四、运行效果图**









**五、收获与问题**

1、进一步熟练Servlet中的请求对象的使用；

2、学会在Servlet中两种自动跳转：请求转发和重定向；

3、学习使用请求对象上传文件、存储数据