**实验四 请求与响应——自动跳转**

实验目标：

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；

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

实验报告：

将两题完成的截图及关键代码提交。

Test4

package com.jlu;

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("/t4.do")

public class test4 extends HttpServlet {

private final String success = "success.jsp";

private final String fail = "fail.jsp";

public test4() {

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("utf-8");

PrintWriter out = response.getWriter();

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

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

if(checkLogin(num, password))

{

request.getRequestDispatcher(success)

.forward(request, response);

}

else {

response.sendRedirect(fail);

}

}

private boolean checkLogin(String num, String password) {

if(num.equals("04171612") && password.equals("123321"))

return true;

else

return false;

}

/\*\*

\* 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 action = *"t4.do"* method = *post*>

学号<input type = *"text"* name = *"num"* size = *"30"*><br>

姓名<input type = *"text"* name = *"name"* size = *"30"*> <br>

密码<input type = *"text"* name = *"password"* size = *"30"*><br>

专业:<input type = *"radio"* name = *"major"* value = *"软件工程"*>软件工程

<input type = *"radio"* name = *"major"* value = *"计算机科学与技术"*>计算机科学与技术

<input type = *"radio"* name = *"major"* value = *"网络工程"*>网络工程

<input type = *"radio"* name = *"major"* value = *"信息管理"*>信息管理<br>

<br>

<input type = *"submit"* value =*"登陆"*><br>

</body>

</body>

</html>

Fail.jsp

<body>

<font size=*4* color=*red*>

<a href=*"index.jsp"*>登录失败，用户名或密码错误，请重新登录</a>

</font>

</body>

Success.jsp

<body>

<front size=*4*> 登陆成功!</front>>><br>

<%request.setCharacterEncoding("UTF-8"); %>

<% String num = request.getParameter("num");

out.println("学号: " + num );%><br>

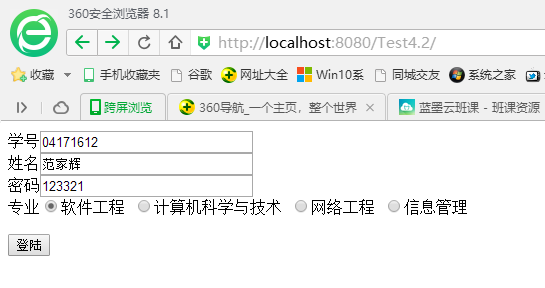
<% String name = request.getParameter("name");

out.println("姓名: " + name );%><br>

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

out.println("专业: " + major );%><br>

</body>



乱码为题有待解决