**Java Web开发**

**实验四**

**作业报告**

|  |  |
| --- | --- |
| 学 院 | 计算机 |
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# 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！

1. 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）

Login2.jsp

<%@ page contentType=*"text/html;charset=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>

<body bgcolor=*SpringGreen*><Font size=*5*>

<FORM action=*"Check.jsp"* method=*post* name=*form*>

<p>请输入下列信息：

<br> 用户名:<input type=*"text"* name=*"name2"* value=*""*></br>

<br> 密码:<input type=*"password"* name=*"name3"* value=*""* /></br>

<br>选择你的专业：

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

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

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

</br>

<pre><input type=*"submit"* name=*"submit"* value=*"立即登录"*></pre>

</FORM>

<form action=*"upload.do"* method=*"post"* enctype=*"multipart/form-data"*>

上传文件：<input type=*"file"* name=*"file"* /><br><br>

<input type=*"submit"* value=*"上传"* name=*"upload"* />

</form>

</body>

</html>

Check.jsp

<%@ page contentType=*"text/html;charset=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%>*"*>

<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 bgcolor=*SpringGreen*><Font size=*5*>

<% request.setCharacterEncoding("utf-8");

//String Emailaccount=request.getParameter("name1");

String name=request.getParameter("name2");

String password=request.getParameter("name3");

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

**if**(major.equals("软件工程")){

request.getRequestDispatcher("success1.jsp").forward(request, response);

**return**;

///response.sendRedirect("success1.jsp?name2="+name+"&name3="+password+"&major="+major);

}

**else** **if**(major.equals("网络工程"))

{

request.getRequestDispatcher("success2.jsp").forward(request, response);

**return**;

//response.sendRedirect("success2.jsp");

}

**else** **if**(major.equals("计算机科学与技术"))

{

request.getRequestDispatcher("success3.jsp").forward(request, response);

**return**;

//response.sendRedirect("success3.jsp");

}

**else** **if**(major==**null**)

{

request.getRequestDispatcher("fail1.jsp").forward(request, response);

**return**;

}%>

<Font size=*8*><a href=*"login2.jsp"*>回到首页</a>

</body>

</html>

Success1.jsp

<%@ page contentType=*"text/html;charset=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%>*"*>

<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 bgcolor=*SpringGreen*><Font size=*5*>

<% request.setCharacterEncoding("utf-8");

String name=request.getParameter("name2");

String password=request.getParameter("name3");

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

**if**(name.length()>=6&&name.length()<=8&&password.length()==6&&name!=**null**&&password!=**null**&&major!=**null**){

out.println(major+"专业学生"+","+name+"登录成功");

}

**else**

{

request.getRequestDispatcher("fail1.jsp").forward(request, response);

**return**;

//response.sendRedirect("fail1.jsp");

}%>

<Font size=*8*><a href=*"login2.jsp"*>回到首页</a>

</body>

</html>

Success2.jsp

<%@ page contentType=*"text/html;charset=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%>*"*>

<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 bgcolor=*SpringGreen*><Font size=*5*>

<% request.setCharacterEncoding("utf-8");

String name=request.getParameter("name2");

String password=request.getParameter("name3");

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

**if**(name.length()>=6&&name.length()<=8&&password.length()==6&&name!=**null**&&password!=**null**&&major!=**null**){

out.println(major+"专业学生"+","+name+"登录成功");

}

**else**

{

request.getRequestDispatcher("fail1.jsp").forward(request, response);

**return**;

//response.sendRedirect("fail1.jsp");

}%>

<Font size=*8*><a href=*"login2.jsp"*>回到首页</a>

</body>

</html>

Success3.jsp

<%@ page contentType=*"text/html;charset=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%>*"*>

<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 bgcolor=*SpringGreen*><Font size=*5*>

<% request.setCharacterEncoding("utf-8");

String name=request.getParameter("name2");

String password=request.getParameter("name3");

String major1=request.getParameter("major");

**if**(name.length()>=6&&name.length()<=8&&password.length()==6&&name!=**null**&&password!=**null**&&major1!=**null**){

out.println(major1+","+name+"登录成功");

}

**else**

{

request.getRequestDispatcher("fail1.jsp").forward(request, response);

**return**;

//response.sendRedirect("fail1.jsp");

}%>

<Font size=*8*><a href=*"login2.jsp"*>回到首页</a>

</body>

</html>

Fail1.jsp

<%@ page contentType=*"text/html;charset=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%>*"*>

<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 bgcolor=*SpringGreen*><Font size=*5*>

<% request.setCharacterEncoding("utf-8");

String name=request.getParameter("name2");

String password=request.getParameter("name3");

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

**if**(name==**null**)

out.println("用户名不能为空，登录失败");

**else** **if**(name.length()<6)

out.println("用户名长度小于6，登录失败");

**else** **if**(name.length()>8)

out.println("用户名长度大于8，登录失败");

**else** **if**(password==**null**)

out.println("账户密码长度不等于6，登录失败");

**else** **if**(password.length()!=6)

out.println("账户密码长度不等于6，登录失败");

**else** **if**(major==**null**)

out.println("专业选项不能为空，登录失败");

%>

<Font size=*5*><a href=*"login2.jsp"*>回到首页</a>

</body>

</html>

Upload.jsp

<%@ page contentType=*"text/html;charset=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>

<body bgcolor=*SpringGreen*><Font size=*5*>

<form action=*"servlet/upload.do"* method=*"post"* enctype=*"multipart/form-data"*>

上传文件：<input type=*"file"* name=*"file"* /><br><br>

<input type=*"submit"* value=*"上传"* name=*"upload"* />

</form>

</body>

</html>

Uploadsuccess.jsp

<%@ page contentType=*"text/html;charset=UTF-8"* language=*"java"* %>

<html>

<head>

<title>上传成功</title>

</head>

<body>

<h2>上传成功 </h2>

</body>

</html>

Upload.java

**package** up;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.MultipartConfig;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** javax.servlet.http.Part;

@MultipartConfig(location = "D:\\javaweb")

@WebServlet(name = "upload", urlPatterns = "/upload.do")

**public** **class** upload **extends** HttpServlet {

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

**throws** ServletException, IOException {

request.setCharacterEncoding("UTF-8");

Part part = request.getPart("file");

String filename = getFilename(part);

part.write(filename);

request.getRequestDispatcher("../uploadsuccess.jsp").forward(request, response);

}

**private** String getFilename(Part part) {

String header = part.getHeader("Content-Disposition");

String filename = header.substring(header.indexOf("filename=\"") + 10,

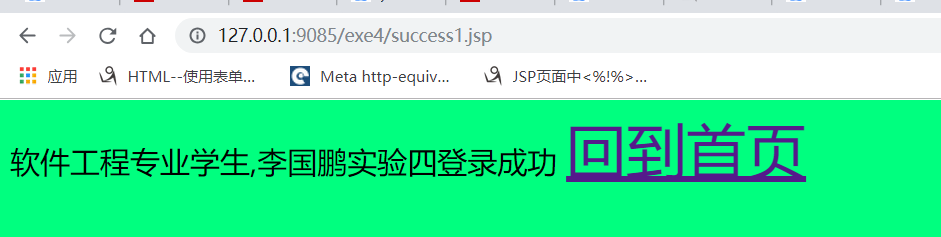
header.lastIndexOf("\""));

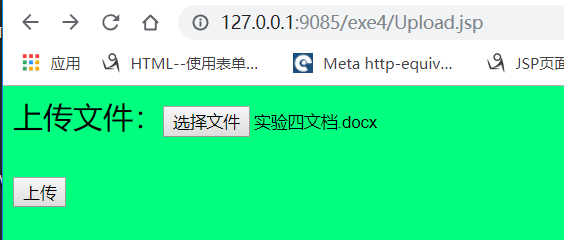
**return** filename;

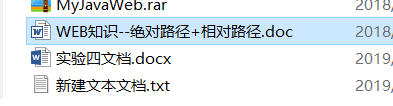
}

}

# 运行效果图

1. 





# 收获与问题

学会了重定向和上传文件