**Java Web开发**

**实验四**

**作业报告**

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

# 关键源码（部分）

Submit.java

package httpservletDemo1;

import java.awt.List;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

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("/submit.view")

public class Submit extends HttpServlet {

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException

{

request.setCharacterEncoding("UTF-8");

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

PrintWriter out = response.getWriter();

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

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

String master=request.getParameter("Master");

ArrayList errors=new ArrayList();

if(username==""||password=="")

{

errors.add("用户名或密码为空");

}

if(!username.equals("04171614")&&!password.equals("123456"))

{

errors.add("用户名或密码错误");

}

if(errors.isEmpty())

{

request.getRequestDispatcher("Success.jsp")

.forward(request, response);

}

else

{

request.setAttribute("errors",errors);

request.getRequestDispatcher("Error.jsp")

.forward(request, response);

}

}

exam3.jsp

<%@ page language=*"java"* import=*"java.util.\*"* pageEncoding=*"UTF-8"*%>

<%

String path = request.getContextPath();

String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";

%>

<html>

<head>

<title>登陆界面</title>

<style type=*"text/css"*>

*.divForm*{

position: *absolute*;

width: *250px*;

height: *200px*;

text-align: *center*;

top: *50%*;

left: *50%*;

margin-top: *-150px*;

margin-left: *-150px*;

}

</style>

</head>

<body>

<div class=*"divForm"* >

<form action=*"submit.view"* method=*"post"*>

<br>学号:<input type=*"text"* name=*"username"* > </br>

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

<br>

专业：<select name=*"Master"*>

<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>

</br>

<br><input type=*"submit"* name=*"submit"* value=*"提交"*></br>

</form>

</div>

</body>

</html>

Error.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>

<title>登陆失败</title>

</head>

<body>

<h1>登陆失败</h1>

<%

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

request.setCharacterEncoding("utf-8");

request.setCharacterEncoding("utf-8");

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

**for**(String error : errors)

{

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

}

%>

<a href=*'exam3.jsp'*>登陆页面</a>

</body>

</html>

Success.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>

<title>登陆成功</title>

</head>

<body>

<%

request.setCharacterEncoding("utf-8");

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

String master=request.getParameter("Master");

out.println("<p>"+master+"专业"+username+"小明，你好！</p>");

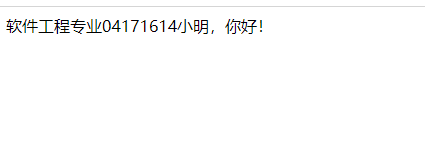
%>

</body>

</html>

# 运行效果图









# 实验题目

猜数小游戏

# 关键源码（部分）

getNumber.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>

<body>

<%

**int** number=(**int**)(Math.random()\*100)+1;

session.setAttribute("save",**new** Integer(number));

session.setAttribute("count", **new** Integer(0));

%>

<form action=*"Result.view"* method=*"post"* name=*form*>

<input type=*"text"* name=*"boy"*>

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

</body>

</html>

Result.java

package httpservletDemo1;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.ServletRequest;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

@WebServlet("/Result.view")

public class Result extends HttpServlet {

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

HttpSession session = request.getSession();

String gn=request.getParameter("boy");

if(gn==""||gn==null)

{

gn="0";

}

int guessNumber=Integer.parseInt(gn);

Integer integer=(Integer) session.getAttribute("save");

int realNumber=integer.intValue();

int sum=((Integer)session.getAttribute("count")).intValue();

if(sum==4)

{

response.sendRedirect("fail.jsp");

}

else if(guessNumber==realNumber)

{

int n=((Integer)session.getAttribute("count")).intValue();

n=n+1;

session.setAttribute("count", new Integer(n));

response.sendRedirect("right.jsp");

}

else if(guessNumber>realNumber){

int n=((Integer)session.getAttribute("count")).intValue();

n=n+1;

session.setAttribute("count", new Integer(n));

response.sendRedirect("large.jsp");

}

else if(guessNumber<realNumber)

{

int n=((Integer)session.getAttribute("count")).intValue();

n=n+1;

session.setAttribute("count", new Integer(n));

response.sendRedirect("small.jsp");

}

}

}

Small.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>

<body>

所猜的数比实际的小，请再猜：

<form action=*"Result.view"* method=*"post"* name=*form* >

<input type=*"text"* name=*"boy"*>

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

</form>

</body>

</html>

Large.jsp

<%@ page language=*"java"* import=*"java.util.\*"* pageEncoding=*"UTF-8"*%>

<%

String path = request.getContextPath();

String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";

%>

<html>

<body>

所猜的数比实际的大，请再猜：

<form action=*"Result.view"* method=*"post"* name=*form*>

<input type=*"text"* name=*"boy"*>

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

</form>

</body>

</html>

right.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>

<body>

恭喜你猜对了

</body>

</html>

fail.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>

<body>

你已经猜够5次了，没有机会了。

</body>

</html>

# 运行效果图

