**Java Web开发**

**实验一**

**作业报告**

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# 实验题目

1. 新建项目，练习教材上相关例子Hello.java文件，P29。并练习如何在Tomcat服务器上发布该文件
2. 请分别用注释法和文件配置法（web.xml）来完成对HelloServlet文件的发布。

注释法访问的地址是 <http://127.0.0.1:8080/项目工程名/test2/hello.view>（请注意要根据题目要求修改代码中的注释内容）

文件配置法的地址是http://127.0.0.1:8080/项目工程名/test2/hello.do

1. 请编写WelcomeYou.java文件
2. 请编写程序，完成以下功能：
3. 一个邮箱注册表单register.html文件，具体见图。
4. 自行编写两个html文件，一个success.jsp成功页面，一个fail.jsp失败页面。
5. 点击注册按钮后，跳转到成功页面success.jsp。
6. 尝试：能否在成功页面显示该用户的昵称，邮箱名称？比如“开心，恭喜你！你的happyToday@163.com”

# 分析与设计

1.用@WebServlet()；或在web.xml中修改

3. 分成regiser.html，register.Java，fail.jsp，success.jsp

# 关键源码（部分）

1.Hello.java

package ex;

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(name="Hello",urlPatterns={"/hello.view"})

public class HelloServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

PrintWriter out = response.getWriter();

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

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

out.println("<HTML>");

out.println(" <HEAD><TITLE>Hello Servlet</TITLE></HEAD>");

out.println(" <BODY>");

out.println("<h1> Hello! " + name + " !</h1>");

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

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

out.close();

}

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

doGet(request,response);

}

}

2.WelcomeYou.java

package ex;

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(urlPatterns={"/welcome.view"})

public class WelcomeYou extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

String welcomeinfo="welcome you "+user+" 同学!";

response.setContentType("text/html;charset=GB2312");

PrintWriter out = response.getWriter();

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

out.println("<HTML>");

out.println(" <HEAD><TITLE>欢迎页面</TITLE></HEAD>");

out.println(" <BODY>");

out.println(welcomeinfo);

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

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

out.flush();

out.close();

}

}

3.Regiser.java

package ex;

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(urlPatterns={"/register.do"})

public class Regiser extends HttpServlet {

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

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

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

if(check(email,username,password,confirmedPasswd)){

request.getRequestDispatcher("test2/success.jsp").forward(request, response);

}

request.getRequestDispatcher("test2/fail.jsp").forward(request, response);

}

private boolean check(String email,String username,String password,String confirmedPasswd)

throws ServletException, IOException {

if(email != null && username != null && password != null && confirmedPasswd != null){

if(username.length()<=16 && password.length()>=6 && password.length()<=16){

if(password.equals(confirmedPasswd)){

return true;

}

}

}return false;

}

}

register.html

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>邮箱注册</title>

</head>

<body bgcolor=*cyan*>

<h1>注册</h1>

<form method=*'post'* action=*'../register.do'*>

<table >

<tr>

<td>邮箱账号：</td>

<td><input type=*'text'* name=*'email'* size=*'25'* maxlength=*'100'*>

</td>

</tr>

<tr>

<td>名称（最大16字符）：</td>

<td><input type=*'text'* name=*'username'* size=*'25'*

maxlength=*'16'*>

</td>

</tr>

<tr>

<td>密码（6到16字符）：</td>

<td><input type=*'password'* name=*'password'* size=*'25'* maxlength=*'16'*>

</td>

</tr>

<tr>

<td>确认密码：</td>

<td><input type=*'password'* name=*'confirmedPasswd'* size=*'25'* maxlength=*'16'*>

</td>

</tr>

<tr>

<td>选择性别:</td>

<td><INPUT type=*"radio"* name=*"R"* value=*"男"* checked=*"default"*>男

<INPUT type=*"radio"* name=*"R"* value=*"女"*>女

</td>

</tr>

<tr>

<td colspan=*'2'* align=*'center'*><input type=*'submit'* value=*'注册'*>

</td>

</tr>

</table>

</form>

</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+"/";

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

%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<base href=*"*<%=basePath%>*"*>

<title>登陆成功</title>

</head>

<body><font size=*8*>

！登陆成功 !

</font> </body>

</html>

<%out.println("<h1> 开心，恭喜你！你的"+email+"@163.com </h1>"); %>

fail.jsp

<%@page pageEncoding=*"utf-8"* %>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>登录失败</title>

</head>

<body><font size=*8* color=*red* >

<a href=*"http://127.0.0.1:8080//FirstServlet/test2/register.html"*>用户名或密码错误，登录失败</a>

</font></body>

</html>

# 运行效果图

1. 

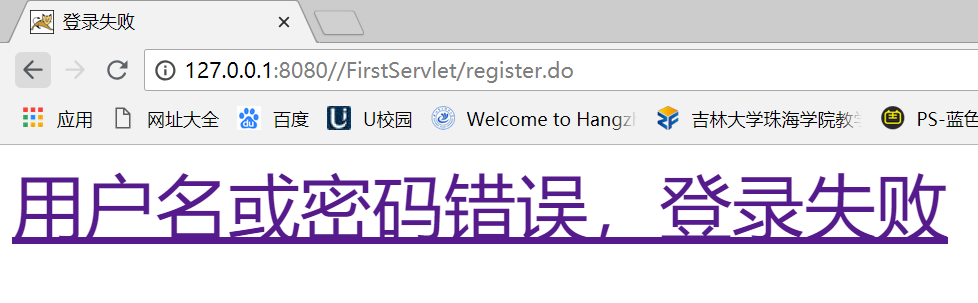


1. 



1. 





# 收获与问题

1. 理解Servlet文件各部分所表示的含义，掌握如何编写Servlet；
2. 学习如何部署与运行Servlet，学会使用注释法和配置文件Server.xml进行Servlet的部署和发布。
3. 熟悉Html文件的表单知识，学会进行表单编程