**Java Web开发**

**实验一**

**作业报告**

|  |  |
| --- | --- |
| 学 院 | 计算机 |
| 所在系 班 级 | 2017软件工程系6班 |
| 学 号 姓 名 | 04171418孙熠程 |
| 指 导 教 师 | 郭晓燕 |
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题目提交顺序稍微改变一下，分别是：

1. 注册（加验证码）
2. 登录
3. 猜数字
4. 上一周做的注册页面也可，验证条件可以自行设定，注册之后根据用户输入情况进行相应的提示。

验证条件：

（1）email是否合法

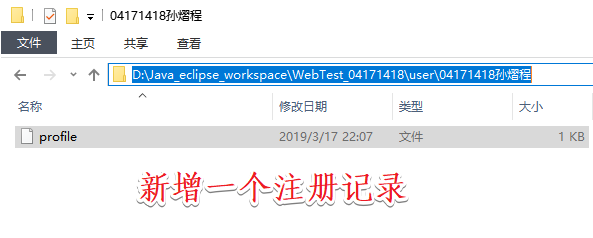
（2）用户名是否已被注册：注册成功会写入文件，后续作登录使用

（3）确认密码时是否正确

（4）密码是否在6-8位之间

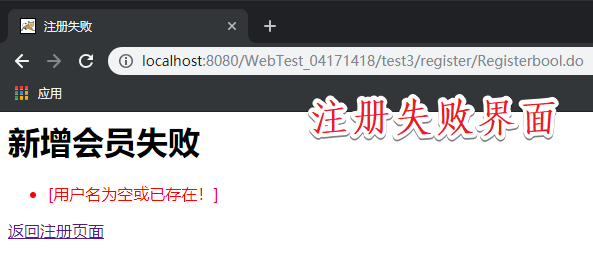
截图：







点击浏览器的返回再次注册之后：用户名不变



代码：

register.html:

代码太多不全贴了：以下是验证码关键代码和部分代码

<script>

//产生验证码

window.onload = **function**() {

createCode()

}

**var** code; //在全局定义验证码

**function** createCode() {

code = "";

**var** codeLength = 4; //验证码的长度

**var** checkCode = document.getElementById("code");

**var** random = **new** Array(0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 'A', 'B', 'C',

'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O',

'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z'); //随机数

**for** (**var** i = 0; i < codeLength; i++) { //循环操作

**var** index = Math.floor(Math.random() \* 36); //取得随机数的索引（0~35）

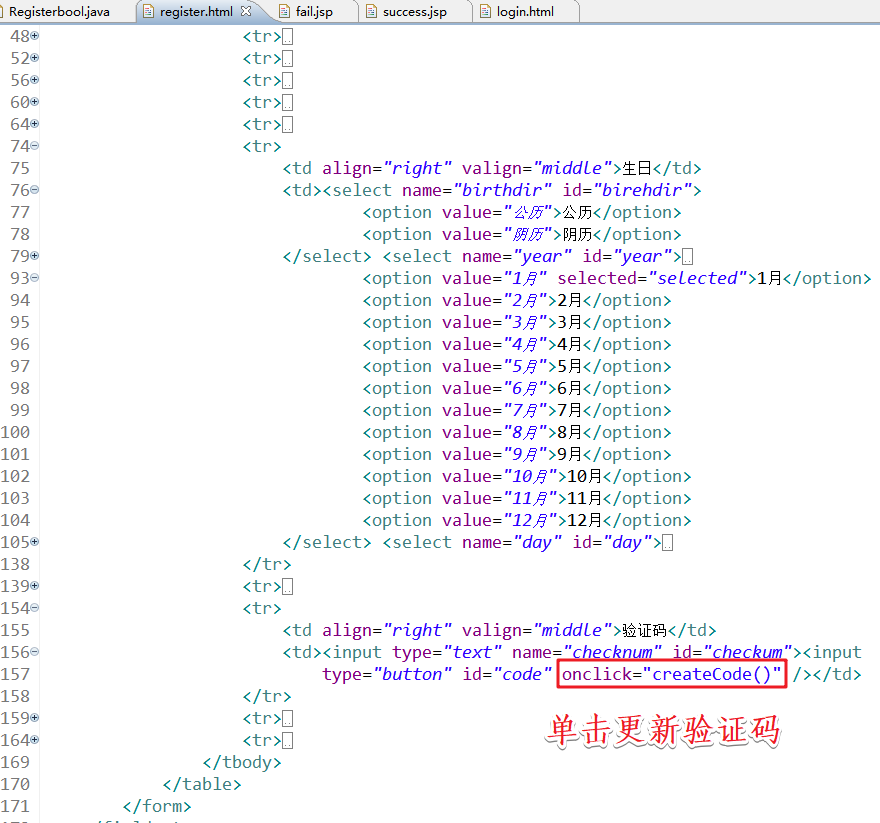
code += random[index]; //根据索引取得随机数加到code上

}

checkCode.value = code; //把code值赋给验证码

}

</script>



Registerbool.java:

**private** **final** String USERS = "D:\\Java\_eclipse\_workspace\\WebTest\_04171418\\user";

**private** **final** String SUCCESS = "/test3/register/success.jsp";

**private** **final** String FAIL = "/test3/register/fail.jsp";

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

**throws** ServletException, IOException {

response.setCharacterEncoding("utf-8");

request.setCharacterEncoding("UTF-8");

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

PrintWriter out = response.getWriter();

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

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

String password2 = request.getParameter("password2");

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

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

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

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

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

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

String birthday = birthdir + " " + year + " " + month + " " + day;

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

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

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

String D=address+" "+province+" "+city;

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

**if** (isInvalidEmail(email)) {

error.add("邮箱格式不对！");

}

**if** (isInvalidName(name)) {

error.add("用户名为空或已存在！");

}

**if** (isInvalidPasswd(password, password2)) {

error.add("密码不在6-8位之间或确认密码错误！");

}

String resultPage = FAIL;

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

request.setAttribute("error", error);

} **else** {

resultPage = SUCCESS;

createData(email, name, password, sex, birthday,D);

}

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

}

**private** **void** createData(String email, String name, String password, String sex,String birthday,String D) **throws** IOException {

File userhome = **new** File(USERS + "/" + name);

userhome.mkdir();

BufferedWriter writer = **new** BufferedWriter(**new** FileWriter(userhome + "/profile"));

writer.write(email + "\t" + password + "\t" + sex + "\t" + birthday + "\t" + D + "\r\n" );

writer.close();

}

**private** **boolean** isInvalidPasswd(String password, String password2) {

**return** password == **null** || password.length() < 6 || password.length() > 8 || !password.equals(password2);

}

**private** **boolean** isInvalidEmail(String email) {

**if** (email == **null** || !email.matches("^[\_a-z0-9-]+([.]" + "[\_a-z0-9-]+)\*@[a-z0-9-]+([.][a-z0-9-]+)\*$")) {

**return** **true**;

} **else** {

**return** **false**;

}

}

**private** **boolean** isInvalidName(String name) {

**for** (String file : **new** File(USERS).list()) {

**if** (file.equals(name))

**return** **true**;

}

**return** **false**;

}

success.jsp:

<body>

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

<p><font size=*6*>开心，恭喜你！<br>你的${param.email}注册成功！</font></p>

<fieldset style="width: *350px*">

<legend>您的注册信息如下,请牢记</legend>

<font size=*4*>

<p>您的邮箱：${param.email}</p>

<p>您的用户名：${param.name}</p>

<p>您的密码：${param.password}</p>

<p>您的性别：${param.sex}</p>

<p>您的生日：${param.birthdir} ${param.year} ${param.month} ${param.day}</p>

<p>您的所在地：${param.address} ${param.province} ${param.city}</p>

</font>

</fieldset>

</body>

fail.jsp:

<body>

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

<%

out.println("<!DOCTYPE html PUBLIC " +

"'-//W3C//DTD HTML 4.01 Transitional//EN'>");

out.println("<html>");

out.println("<head>");

out.println(" <meta content='text/html; charset=UTF-8'"

+ "http-equiv='content-type'>");

out.println(" <title>新增会员失败</title>");

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

out.println("<body>");

out.println("<h1>新增会员失败</h1>");

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

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

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

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

}

%>

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

out.println("<a href='register.html'>返回注册页面</a>");

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

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

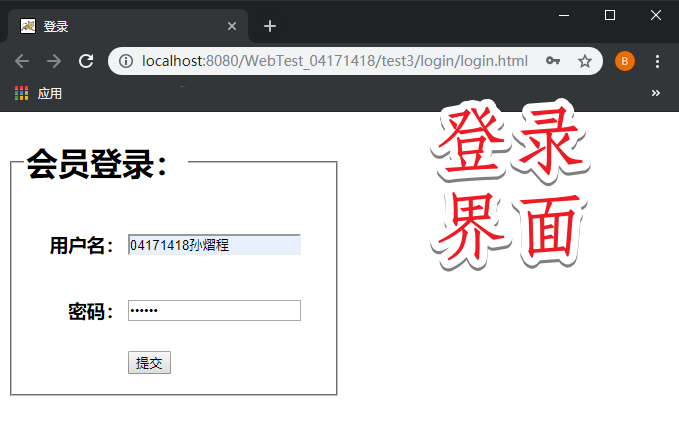
out.close(); %>

</body>

1. 将第二章实训题的第二题，登录页面，提交用户名、密码，若用户名不为空字符串且长度在6-8位间，密码不为，空长度为6位，则登录成功，显示“\*\*\*（用户名）登录成功！”，否则显示“\*\*\*登录失败”。

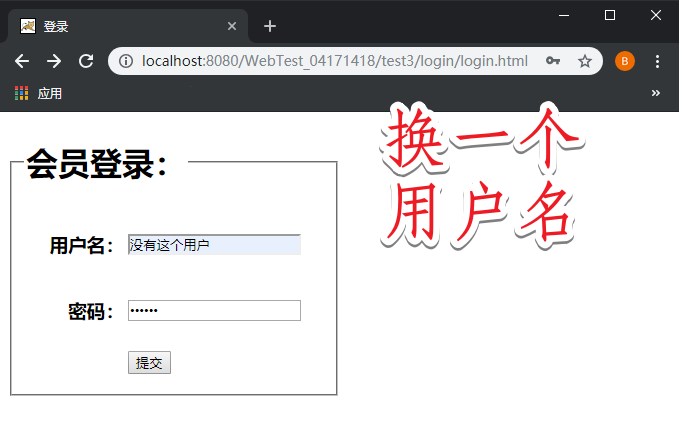
修改一下：只验证用户名与密码是否匹配正确

截图：



因为有此用户写密码正确，所以有下面这个界面







代码：

login.html

<body>

<fieldset style="width: *300px*">

<legend><h1>会员登录：</h1></legend>

<form action=*"Loginbool.do"* method=*"post"* name=*"form"*>

<table width=*"293"* height=*"104"* border=*"0"* >

<tbody>

<tr>

<td width=*"98"* height=*"30"* align=*"right"* valign=*"middle"*><h3>用户名：</h3></td>

<td width=*"186"*><input name=*"name"* type=*"text"* id=*"name"*></td>

</tr>

<tr>

<td height=*"34"* align=*"right"* valign=*"middle"*><h3>密码：</h3></td>

<td><input type=*"password"* name=*"password"* id=*"password"*></td>

</tr>

<tr>

<td height=*"36"* align=*"right"* valign=*"middle"*>&nbsp;</td>

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

</tr>

</tbody>

</table>

</form>

</fieldset>

</body>

Loginbool.java

**private** **final** String USERS = "D:\\Java\_eclipse\_workspace\\WebTest\_04171418\\user";

**private** **final** String SUCCESS = "/test3/login/success\_lo.jsp";

**private** **final** String FAIL = "/test3/login/fail\_lo.jsp";

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

**throws** ServletException, IOException {

response.setCharacterEncoding("utf-8");

request.setCharacterEncoding("UTF-8");

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

PrintWriter out = response.getWriter();

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

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

**if** (haveThisName(name, password)) {

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

} **else** {

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

}

}

**private** **boolean** haveThisName(String name, String password) **throws** IOException {

**if** (name != **null** && password != **null**) {

**for** (String file : **new** File(USERS).list()) {

**if** (file.equals(name)) {

BufferedReader reader = **new** BufferedReader(**new** FileReader(USERS + "/" + file + "/profile"));

String passwd = reader.readLine().split("\t")[1];

**if** (passwd.equals(password)) {

**return** **true**;

}

}

}

}

**return** **false**;

}

success\_lo.jsp

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>登录成功</title>

</head>

<body>

<div style="text-align: *center*;">

<h1 ><font size=*13*>登陆成功</font></h1>

<h2>欢迎您！${param.name}</h2>

<a href=*"login.html"* style="align-content: *center*;">返回登录首页</a>

</div>

</body>

</html>

fail\_lo.jsp

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>登录失败</title>

</head>

<body>

<div style="text-align: *center*;">

<h1 ><font size=*13*>${param.name}登陆失败</font></h1>

<a href=*"login.html"* style="align-content: *center*;">返回登录首页</a>

</div>

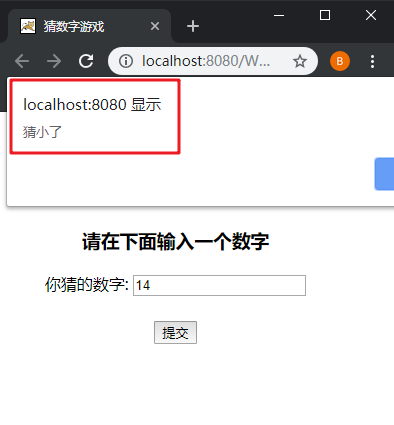
</body>

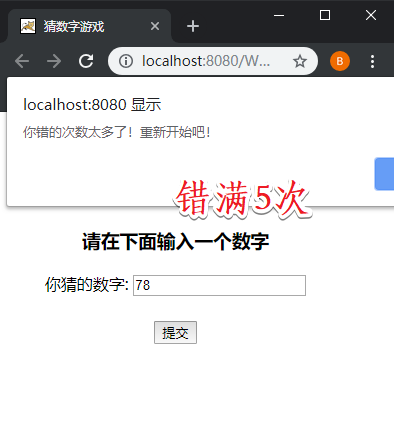
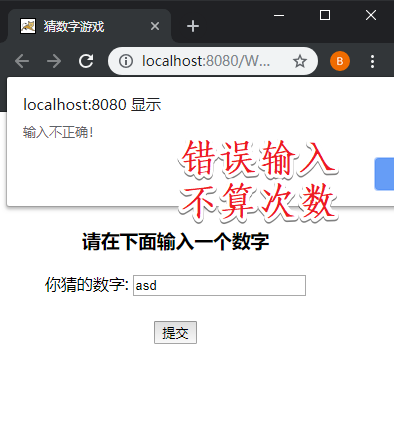
</html>

1. 猜数页面，猜错猜对及输入不正确的情况分别处理，后台随机生成一个0-100的数，让用户猜。最多猜五次，每次猜完后要对用户提示“猜大了”或“猜小了”，如果相等，提示“猜对了，游戏结束！”思路：用JavaScript来判断大小，直接在一个html文件里完成

利用alert弹出提示

截图：

代码：

guessNumber.html

<!doctype html>

<html>

<head>

<meta charset=*"utf-8"*>

<script>

**var** num = Math.floor(Math.random() \* 100 + 1);

**var** click = 0;

**function** guessnum() {

**var** guess = document.getElementById("guessnum").value;

**if** (click > 5) {

alert("你错的次数太多了！重新开始吧！");

click = 0;

num = Math.floor(Math.random() \* 100 + 1);

} **else** **if** (guess > num)

alert("猜大了");

**else** **if** (guess < num)

alert("猜小了");

**else** **if** (guess == num) {

alert("猜对了,游戏结束！");

click = 0;

} **else** {

alert("输入不正确！");

click -= 1;

}

document.getElementById("guessnum").value = "";

click += 1;

}

</script>

<title>猜数字游戏</title>

</head>

<body>

<table width=*"335"* border=*"0"* cellpadding=*"0"*>

<tbody>

<tr>

<td width=*"331"* align=*"center"* valign=*"middle"*><h1>欢迎来到猜数字游戏！</h1></td>

</tr>

<tr>

<td align=*"center"* valign=*"middle"*><h3>请在下面输入一个数字</h3></td>

</tr>

<tr>

<td align=*"center"* valign=*"middle"*><label for=*"textfield"*>你猜的数字:</label>

<input type=*"text"* name=*"guessnum"* id=*"guessnum"*></td>

</tr>

<tr>

<td align=*"center"* valign=*"middle"*>&nbsp;</td>

</tr>

<tr>

<td align=*"center"* valign=*"middle"*><input type=*"button"*

name=*"button"* id=*"button"* value=*"提交"* onClick="guessnum()"></td>

</tr>

</tbody>

</table>

</body>

</html>