

首先要完成的是创建程序实现登录功能

创建的web项目为idea-servlet-http-cookie-12

登录功能实现的代码如下

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
    version="4.0">

    <welcome-file-list>
        <welcome-file>html/login.html</welcome-file>
    </welcome-file-list>

    <servlet>
        <servlet-name>login</servlet-name>
        <servlet-class>com.servlet.http.cookie.LoginServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>login</servlet-name>
        <url-pattern>/cookie/login</url-pattern>
    </servlet-mapping>
</web-app>
```

login.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>登录页面</title>
</head>
<body>
    <form action="/idea-servlet-cookie/cookie/login" method="post">
        用户名<input type="text" name="loginName"><br>
        密 码<input type="password" name="loginPwd"><br>
        <input type="submit" value="LOGIN">
    </form>
</body>
</html>
```

login-error.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>输入错误</title>
</head>
<body>
    <form action="/idea-servlet-cookie/html/login.html" method="get">
        用户名或密码错误，请重新<input type="submit" value="登录">
    </form>
</body>
</html>

```

## LoginServlet.java

```

package com.servlet.http.cookie;

import com.servlet.http.utils.DBUtil;

import javax.servlet.ServletException;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

public class LoginServlet extends HttpServlet {

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {

        request.setCharacterEncoding("UTF-8");
        //获取请求提交表单数据request
        String loginName = request.getParameter("loginName");
        String loginPwd = request.getParameter("loginPwd");
        // System.out.println(loginName+"\n"+loginPwd);

        Connection conn = null;
        PreparedStatement ps = null;
        ResultSet rs = null;
        boolean loginSuccess = false;
        String realName = null;

        try {
            //注册驱动和获取连接
            conn = DBUtil.getConnection();

            //获取数据库操作对象
            String sql = "select loginName,loginPwd,realName from t_user where
loginName=? and loginPwd=?";

```

```

//需要注意的是先编译sql语句在传? 的值，不然报空指针异常
ps = conn.prepareStatement(sql);
ps.setString(1,loginName);
ps.setString(2,loginPwd);

//执行sql语句
rs = ps.executeQuery();

//处理查询结果集
if (rs.next()){
    loginSuccess = true;
    realName = rs.getString(3);
}
} catch (SQLException throwables) {
    throwables.printStackTrace();
}
if (loginSuccess){

    //判断是否选择了十天免登录
    if ("ok".equals(request.getParameter("TenDayAutoLoginFlag"))){
        //创建Cookie对象
        Cookie cookie1 = new Cookie("loginName",loginName);
        Cookie cookie2 = new Cookie("loginPwd",loginPwd);
        //绑定Cookie路径
        cookie1.setPath(request.getContextPath());
        cookie2.setPath(request.getContextPath());
        //设定有效时长
        cookie1.setMaxAge(60*60*24*10);
        cookie2.setMaxAge(60*60*24*10);
        //发送Cookie
        response.addCookie(cookie1);
        response.addCookie(cookie2);
    }

    //设置输出到浏览器的字符类型和编码方式
    response.setContentType("text/html;charset=UTF-8");

    PrintWriter out = response.getWriter();

    out.print("<html >");
    out.print("<head>");
    out.print("</head>");
    out.print("<body>");
    out.print("欢迎用户:"+realName+"<br>登录本操作系统");
    out.print("</body>");
    out.print("</html>");

}else {
    response.sendRedirect("/idea-servlet-cookie/html/login-error.html");
}
}
}

```

## 要实现十天免登录，首先在登录页面添加一个“十天免登录”选项

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>登录页面</title>
</head>
<body>
  <form action="/idea-servlet-cookie/cookie/login" method="post">
    用户名<input type="text" name="loginName"><br>
    密 码<input type="password" name="loginPwd"><br>
    <!--十天免登录选项-->
    <input type="checkbox" name="TenDayAutoLoginFlag" value="ok">十天内免登录
  <br>
    <input type="submit" value="LOGIN">
  </form>
</body>
</html>
```

其次需要修改欢迎页面，不能把登录页面作为欢迎页面，我们创建一个Servlet类 `CheckLoginStatusServlet.java`，将这个判断类作为欢迎页面。这个类获取Cookie，通过获取Cookie中的value值是否为空，判断是否要转到登录页面，还是用Cookie保存的登录名和密码跳转到上次登陆后的页面。

修改的web.xml如下

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
  version="4.0">

  <welcome-file-list>
    <welcome-file>cookie/checkLogin</welcome-file>
  </welcome-file-list>

  <servlet>
    <servlet-name>login</servlet-name>
    <servlet-class>com.servlet.http.cookie.LoginServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>login</servlet-name>
    <url-pattern>/cookie/login</url-pattern>
  </servlet-mapping>

  <servlet>
    <servlet-name>checkLogin</servlet-name>
```

```
<servlet-class>com.servlet.http.cookie.CheckLoginStatusServlet</servlet-  
class>  
</servlet>  
<servlet-mapping>  
    <servlet-name>checkLogin</servlet-name>  
    <url-pattern>/cookie/checkLogin</url-pattern>  
</servlet-mapping>  
</web-app>
```

## 判断Servlet类如下: CheckLoginStatusServlet.java

```
package com.servlet.http.cookie;  
  
import com.servlet.http.utils.DBUtil;  
  
import javax.servlet.ServletException;  
import javax.servlet.http.Cookie;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
import java.io.IOException;  
import java.io.PrintWriter;  
import java.sql.Connection;  
import java.sql.PreparedStatement;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
  
public class CheckLoginStatusServlet extends HttpServlet {  
  
    protected void doGet(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {  
  
        //获取request中的Cookie  
        Cookie[] cookies = request.getCookies();  
  
        String loginName = null;  
        String loginPwd = null;  
  
        if (cookies != null) {  
  
            for (Cookie cookie:  
                cookies) {  
                String cookieName = cookie.getName();  
                String cookieValue = cookie.getValue();  
                if ("loginName".equals(cookieName)){  
                    loginName = cookieValue;  
                }else if ("loginPwd".equals(cookieName)){  
                    loginPwd = cookieValue;  
                }  
            }  
        }  
  
        if (loginName != null && loginPwd != null) {
```

```

Connection conn = null;
PreparedStatement ps = null;
ResultSet rs = null;
boolean loginSuccess = false;
String realName = null;

try {
    //注册驱动和获取连接
    conn = DBUtil.getConnection();

    //获取数据库操作对象
    String sql = "select loginName,loginPwd,realName from t_user
where loginName=? and loginPwd=?";
    //需要注意的是先编译sql语句在传? 的值，不然报空指针异常
    ps = conn.prepareStatement(sql);
    ps.setString(1,loginName);
    ps.setString(2,loginPwd);

    //执行sql语句
    rs = ps.executeQuery();

    //处理查询结果集
    if (rs.next()){
        loginSuccess = true;
        realName = rs.getString(3);
    }
} catch (SQLException throwables) {
    throwables.printStackTrace();
}
if (loginSuccess){

    //设置输出到浏览器的字符类型和编码方式
    response.setContentType("text/html;charset=UTF-8");

    PrintWriter out = response.getWriter();

    out.print("<html >");
    out.print("<head>");
    out.print("</head>");
    out.print("<body>");
    out.print("欢迎用户:"+realName+"<br>登录本操作系统");
    out.print("</body>");
    out.print("</html>");

}
} else {
    response.sendRedirect(request.getContextPath()+"/html/login.html");
}
}
}

```

然后通过两个Servlet类中添加断点进行Debug，首先是一步一步的往下走，如果走不动了点击debug页面左端的绿色播放按钮，就可以调到另一个Servlet类中的断点，继续一步一步走了