**Java Web开发**

**实验八**

**作业报告**

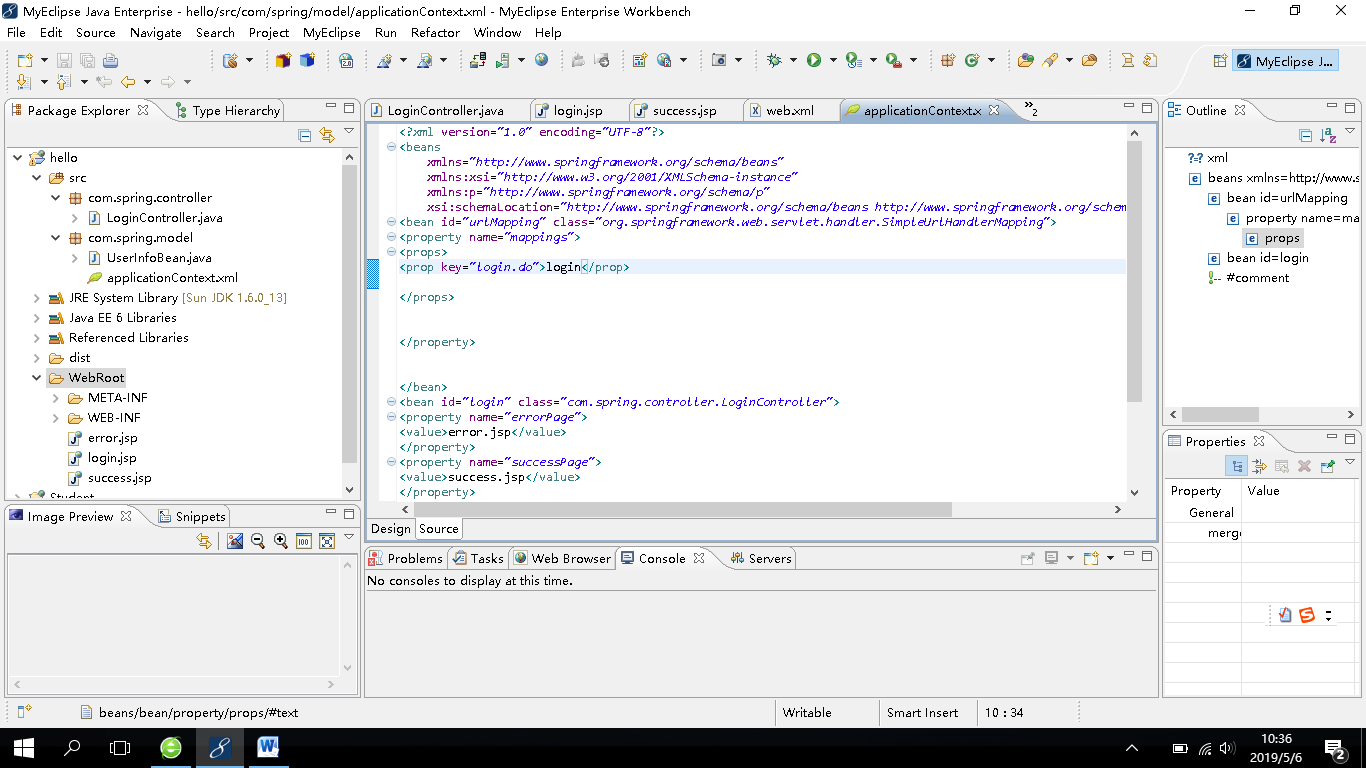
|  |  |
| --- | --- |
| 学 院 | 计算机 |
| 所在系 班 级 | 2017软件工程系7班 |
| 学 号 姓 名 | 04171529王晶 |
| 指 导 教 师 | 郭晓燕 |
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# 实验题目

（必做）请用模型2MVC模式完成1个功能，功能自选，例如：登录、注册、发帖、计算税收等；

# 分析与设计

本次工程结构图



# 关键源码（部分）

LoginController.java

**package** com.spring.controller;

**import** java.util.HashMap;

**import** java.util.Map;

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

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

**import** org.springframework.web.servlet.ModelAndView;

**import** org.springframework.web.servlet.mvc.Controller;

**import** com.spring.model.UserInfoBean;

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

@WebServlet("login.do")

**public** **class** LoginController **implements** Controller {

**private** String successPage;

**private** String errorPage;

//private UserInfoBean userInfoBean;

**public** String getSuccessPage() {

**return** successPage;

}

**public** **void** setSuccessPage(String successPage) {

**this**.successPage = successPage;

}

**public** **void** setErrorPage(String errorPage) {

**this**.errorPage = errorPage;

}

**private** String getErrorPage() {

**return** errorPage;

}

**public** ModelAndView handleRequest(HttpServletRequest request,

HttpServletResponse response) **throws** Exception {

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

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

String message=**null**;

**if**(username==**null**||password==**null**||username.trim().equals("")||password.trim().equals(""))

{

message=" 用户名或者密码为空";

Map<String,String> model=**new** HashMap<String,String>();

model.put("msg", message);

**return** **new** ModelAndView(getErrorPage(),model);

}

**if**(!UserInfoBean.*exisitUser*(username)){

message=username+"不存在";

Map<String,String> model=**new** HashMap<String,String>();

model.put("msg", message);

**return** **new** ModelAndView(getErrorPage(),model);

}

**if**(!UserInfoBean.*confirmPassword*(username,password)){

message=username+"密码不正确";

Map<String,String> model=**new** HashMap<String,String>();

model.put("msg", message);

**return** **new** ModelAndView(getErrorPage(),model);

}

**else**

{Map<String, String> model=**new** HashMap<String,String>();

model.put("username",username);

**return** **new** ModelAndView(getSuccessPage(),model);

}

}

// public UserInfoBean getUserInfoBean() {

// return userInfoBean;

// }

//

// public void setUserInfoBean(UserInfoBean userInfoBean) {

// this.userInfoBean = userInfoBean;

// }

}

UserInfoBean.java

**package** com.spring.model;

**import** java.util.HashMap;

**import** java.util.Map;

**public** **class** UserInfoBean {

**private** **static** Map<String,String>*userinfo*=**new** HashMap<String,String>();

**static**

{

String numberOneUser="zhangsan";

String numberOnePassword="123";

String numberTwoUser="lisi";

String numberTwoPassword="456";

*userinfo*.put(numberTwoUser, numberTwoPassword);

*userinfo*.put(numberOneUser, numberOnePassword);

}//判断一个用户名是否存在

**public** **static** **boolean** exisitUser(String username){

**return** *userinfo*.containsKey(username);

}

**public** **static** **boolean** confirmPassword(String username,String password)

{**return** *userinfo*.get(username).equals(password);

}

}

login.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>

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

<title>My JSP 'index.jsp' starting page</title>

<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>

<form action=*"login.do"* method=*"post"*>

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

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

<input type=*submit* value=*"登录"*/>

</form>

</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>

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

<title>My JSP 'error.jsp' starting page</title>

<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>

十分对不起，登录失败，由于：<%=request.getAttribute("msg") %>

</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>

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

<title>My JSP 'success.jsp' starting page</title>

<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>

恭喜：<%=request.getAttribute("username") %>,登录成功

</body>

</html>

Web.xml

<?xml version=*"1.0"* encoding=*"UTF-8"* standalone=*"no"*?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/2002/xmlspec/dtd/2.10/xmlspec.dtd">

<web-app version=*"2.5"*

xmlns=*"http://java.sun.com/xml/ns/javaee"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://java.sun.com/xml/ns/j2ee*

*http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"*>

<servlet>

<servlet-name>dispatcherServlet</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

指定spring配置文件的路径

<init-param>

<param-name>contextConfigLocation</param-name>

<param-value>/WEB-INF/classes/applicationContext.xml</param-value>

</init-param>

<load-on-startup>1</load-on-startup>

</servlet>

拦截所有以.do结尾的请求，可以修改

<servlet-mapping>

<servlet-name>dispatcherServlet</servlet-name>

<url-pattern>\*.do</url-pattern>

</servlet-mapping>

<display-name></display-name>

<welcome-file-list>

<welcome-file>login.jsp</welcome-file>

</welcome-file-list>

</web-app>

Spring applicationContext.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<beans

xmlns=*"http://www.springframework.org/schema/beans"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xmlns:p=*"http://www.springframework.org/schema/p"*

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-2.0.xsd"*>

<bean id=*"urlMapping"* class=*"org.springframework.web.servlet.handler.SimpleUrlHandlerMapping"*>

<property name=*"mappings"*>

<props>

<prop key=*"login.do"*>login</prop>

</props>

</property>

</bean>

<bean id=*"login"* class=*"com.spring.controller.LoginController"*>

<property name=*"errorPage"*>

<value>error.jsp</value>

</property>

<property name=*"successPage"*>

<value>success.jsp</value>

</property>

<!-- <property name="userInfoBean" ref="userInfoBean"></property>-->

</bean>

<!-- <bean id="UserInfoBean" class="com.spring.model.UserInfoBean"> </bean>-->

</beans>

# 运行效果图

