# 第一天

## 创建springmvc.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"*

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-4.0.xsd*

*http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc-4.0.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context-4.0.xsd"*>

<!-- 配置controller扫描包 -->

<context:component-scan base-package=*"cn.itcast.springmvc.controller"* />

</beans>

## 配置前端控制器

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

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

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

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

id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>springmvc-first</display-name>

<welcome-file-list>

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

</welcome-file-list>

</web-app>

## Item.java

**public** **class** Item {

// 商品id

**private** **int** id;

// 商品名称

**private** String name;

// 商品价格

**private** **double** price;

// 商品创建时间

**private** Date createtime;

// 商品描述

**private** String detail;

创建带参数的构造器

set/get。。。

}

## SSM整合

### sqlMapConfig.xml

使用逆向工程来生成Mapper相关代码，不需要配置别名。

在config/mybatis下创建SqlMapConfig.xml

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

<!DOCTYPE configuration

PUBLIC "-//mybatis.org//DTD Config 3.0//EN"

"http://mybatis.org/dtd/mybatis-3-config.dtd">

<configuration>

</configuration>

### applicationContext-dao.xml

配置数据源、配置SqlSessionFactory、mapper扫描器。

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

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

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

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-4.0.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context-4.0.xsd*

*http://www.springframework.org/schema/aop http://www.springframework.org/schema/aop/spring-aop-4.0.xsd http://www.springframework.org/schema/tx http://www.springframework.org/schema/tx/spring-tx-4.0.xsd*

*http://www.springframework.org/schema/util http://www.springframework.org/schema/util/spring-util-4.0.xsd"*>

<!-- 加载配置文件 -->

<context:property-placeholder location=*"classpath:db.properties"* />

<!-- 数据库连接池 -->

<bean id=*"dataSource"* class=*"org.apache.commons.dbcp.BasicDataSource"*

destroy-method=*"close"*>

<property name=*"driverClassName"* value=*"${jdbc.driver}"* />

<property name=*"url"* value=*"${jdbc.url}"* />

<property name=*"username"* value=*"${jdbc.username}"* />

<property name=*"password"* value=*"${jdbc.password}"* />

<property name=*"maxActive"* value=*"10"* />

<property name=*"maxIdle"* value=*"5"* />

</bean>

</beans>

### db.properties

配置数据库相关信息

jdbc.driver=com.mysql.jdbc.Driver

jdbc.url=jdbc:mysql://localhost:3306/springmvc?characterEncoding=utf-8

jdbc.username=root

jdbc.password=root

### applicationContext-service.xml

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

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

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

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-4.0.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context-4.0.xsd*

*http://www.springframework.org/schema/aop http://www.springframework.org/schema/aop/spring-aop-4.0.xsd http://www.springframework.org/schema/tx http://www.springframework.org/schema/tx/spring-tx-4.0.xsd*

*http://www.springframework.org/schema/util http://www.springframework.org/schema/util/spring-util-4.0.xsd"*>

</beans>

### applicationContext-trans.xml

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

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

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

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-4.0.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context-4.0.xsd*

*http://www.springframework.org/schema/aop http://www.springframework.org/schema/aop/spring-aop-4.0.xsd http://www.springframework.org/schema/tx http://www.springframework.org/schema/tx/spring-tx-4.0.xsd*

*http://www.springframework.org/schema/util http://www.springframework.org/schema/util/spring-util-4.0.xsd"*>

<!-- 事务管理器 -->

<bean id=*"transactionManager"*

class=*"org.springframework.jdbc.datasource.DataSourceTransactionManager"*>

<!-- 数据源 -->

<property name=*"dataSource"* ref=*"dataSource"* />

</bean>

<!-- 通知 -->

<tx:advice id=*"txAdvice"* transaction-manager=*"transactionManager"*>

<tx:attributes>

<!-- 传播行为 -->

<tx:method name=*"save\*"* propagation=*"REQUIRED"* />

<tx:method name=*"insert\*"* propagation=*"REQUIRED"* />

<tx:method name=*"delete\*"* propagation=*"REQUIRED"* />

<tx:method name=*"update\*"* propagation=*"REQUIRED"* />

<tx:method name=*"find\*"* propagation=*"SUPPORTS"* read-only=*"true"* />

<tx:method name=*"get\*"* propagation=*"SUPPORTS"* read-only=*"true"* />

<tx:method name=*"query\*"* propagation=*"SUPPORTS"* read-only=*"true"* />

</tx:attributes>

</tx:advice>

<!-- 切面 -->

<aop:config>

<aop:advisor advice-ref=*"txAdvice"*

pointcut=*"execution(\* cn.itcast.ssm.service.\*.\*(..))"* />

</aop:config>

</beans>

### springmvc.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"*

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-4.0.xsd*

*http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc-4.0.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context-4.0.xsd"*>

</beans>

### web.xml

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

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

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

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

id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>springmvc-web</display-name>

<welcome-file-list>

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

</welcome-file-list>

<!-- 配置spring -->

<context-param>

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

<param-value>classpath:spring/applicationContext\*.xml</param-value>

</context-param>

<!-- 使用监听器加载Spring配置文件 -->

<listener>

<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>

</listener>

<servlet>

<servlet-name>springmvc-web</servlet-name>

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

<init-param>

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

<param-value>classpath:spring/springmvc.xml</param-value>

</init-param>

</servlet>

<servlet-mapping>

<servlet-name>springmvc-web</servlet-name>

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

</servlet-mapping>

</web-app>

## 编写success页面

页面代码：

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

pageEncoding=*"UTF-8"*%>

<!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>Insert title here</title>

</head>

<body>

<h1>商品修改成功！</h1>

</body>

</html>

## 解决post乱码问题

在web.xml中加入：

<!-- 解决post乱码问题 -->

<filter>

<filter-name>encoding</filter-name>

<filter-class>org.springframework.web.filter.CharacterEncodingFilter</filter-class>

<!-- 设置编码参是UTF8 -->

<init-param>

<param-name>encoding</param-name>

<param-value>UTF-8</param-value>

</init-param>

</filter>

<filter-mapping>

<filter-name>encoding</filter-name>

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

</filter-mapping>

以上可以解决post请求乱码问题。

测试json格式数据交互

{

"id": 1,

"name": "测试商品",

"price": 99.9,

"detail": "测试商品描述",

"pic": "123456.jpg"

}