原 # SpringMVC + MyBatis整合
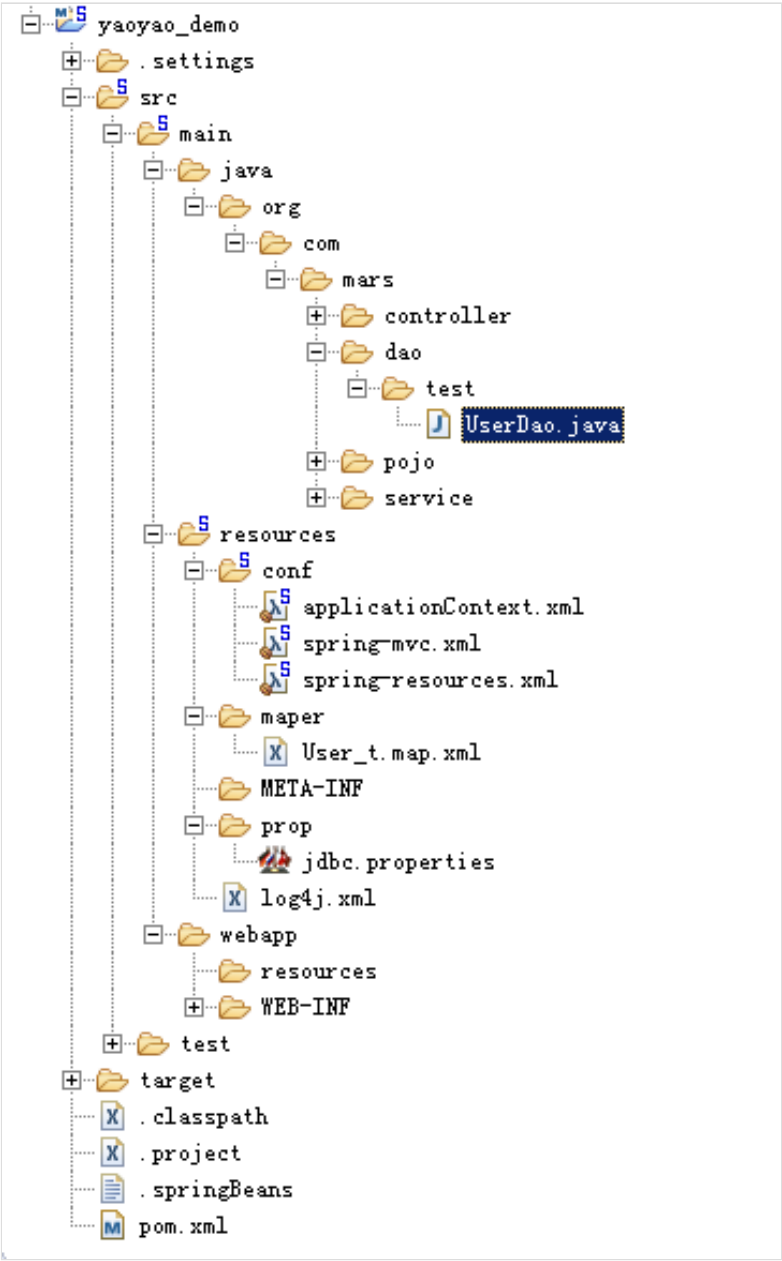
赞

4月23日，武汉源创会火热报名中，期待您的参与＞＞＞＞＞　HOT

springmvc | mybatis

环境：spring3.1.1+mybatis3.2.8+mybatis-spring1.2.3

网络上关于这个架构的搭建文章，实在是太多了，本文是对于本人初次搭建时的一些注意点的整理。

主要是一些配置文件的内容和架构的目录。

0. project 目录

1. spring-resources.xml

这个文件是用来完成spring和mybatis的整合的xml。注意properties文件的读入方式。

```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:tx="http://www.springframework.org/schema/tx"
    xmlns:aop="http://www.springframework.org/schema/aop"
    xsi:schemaLocation="
    http://www.springframework.org/schema/beans
    http://www.springframework.org/schema/beans/spring-beans-3.0.xsd
    http://www.springframework.org/schema/tx
    http://www.springframework.org/schema/tx/spring-tx-3.0.xsd
    http://www.springframework.org/schema/context
    http://www.springframework.org/schema/context/spring-context-3.0.xsd
    http://www.springframework.org/schema/aop
    http://www.springframework.org/schema/aop/spring-aop-3.2.xsd"
    default-autowire="byName" default-lazy-init="false">

    <!-- 自动扫描组件，需要把controller去掉，否则影响事务管理 -->
    <context:component-scan base-package="org.com.mars">
        <context:exclude-filter type="regex"
            expression="org.com.mars.controller.*" />
    </context:component-scan>

    <!-- 引入jdbc配置文件 -->
    <context:property-placeholder location="classpath:prop/jdbc.properties" />

    <!-- (事务管理)transaction manager, use JtaTransactionManager for global tx -->
    <bean id="transactionManager"
        class="org.springframework.jdbc.datasource.DataSourceTransactionManager">
        <property name="dataSource" ref="dataSource" />
    </bean>

    <!-- 声明式事务管理 -->
    <aop:config>
        <aop:advisor pointcut="execution(* org.com.mars.service..*.*(..))"
            advice-ref="myAdvice" />
    </aop:config>
    <tx:advice id="myAdvice" transaction-manager="transactionManager">
        <tx:attributes>
            <tx:method name="find*" propagation="SUPPORTS" read-only="true" />
            <tx:method name="query*" propagation="SUPPORTS" read-only="true" />
            <tx:method name="list*" propagation="SUPPORTS" read-only="true" />

            <tx:method name="create*" propagation="REQUIRED" />
            <tx:method name="save*" propagation="REQUIRED" />
            <tx:method name="modify*" propagation="REQUIRED" />
            <tx:method name="update*" propagation="REQUIRED" />
            <tx:method name="delete*" propagation="REQUIRED" />

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

    <!-- 创建SqlSessionFactory，同时指定数据源 -->
    <bean id="mySqlSessionFactory" class="org.mybatis.spring.SqlSessionFactoryBean">
        <property name="dataSource" ref="dataSource" />
        <!-- 自动扫描entity目录，省掉Configuration.xml里的手工配置 -->
        <property name="mapperLocations" value="classpath*:maper/*.map.xml" />
    </bean>

    <!-- DAO接口所在包名，Spring会自动查找其下的类 -->
    <bean class="org.mybatis.spring.mapper.MapperScannerConfigurer">
        <property name="basePackage" value="org.com.mars.dao" />
        <property name="sqlSessionFactoryBeanName" value="mySqlSessionFactory" />
    </bean>

    <!-- 可通过注解控制事务 -->
    <tx:annotation-driven />
```

```xml
71        <!-- 数据库连接池 -->
72        <bean id="dataSource" class="org.apache.commons.dbcp.BasicDataSource"
73            destroy-method="close">
74            <!-- Connection Info -->
75            <property name="driverClassName" value="${jdbc.driver}" />
76            <property name="url" value="${jdbc.url}" />
77            <property name="username" value="${jdbc.username}" />
78            <property name="password" value="${jdbc.password}" />
79
80            <!-- Connection Pooling Info -->
81            <property name="maxActive" value="${dbcp.maxActive}" />
82            <property name="maxIdle" value="${dbcp.maxIdle}" />
83            <property name="defaultAutoCommit" value="false" />
84            <!-- 配置间隔多久才进行一次检测，检测需要关闭的空闲连接，单位是毫秒 -->
85            <property name="timeBetweenEvictionRunsMillis" value="3600000" />
86            <!-- 配置一个连接在池中最小生存的时间，单位是毫秒 -->
87            <property name="minEvictableIdleTimeMillis" value="3600000" />
88        </bean>
89    </beans>
```

2. mapper.xml

该xml 如何使用配置，请参看spring-resources.xml，注意mapper.xml中 namespace的配置。

```xml
1    <?xml version="1.0" encoding="UTF-8"?>
2    <!DOCTYPE mapper PUBLIC "-//mybatis.org//DTD Mapper 3.0//EN"
3    "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
4    <mapper namespace="org.com.mars.dao.test.UserDao">
5
6      <!-- mapping -->
7      <resultMap id="User_t" type="org.com.mars.pojo.test.User">
8      <result property="userId" column="user_id" jdbcType="VARCHAR" />
9      <result property="userName" column="user_name" jdbcType="VARCHAR" />
10     </resultMap>
11
12     <sql id="columns">
13     user_id,
14     user_name
15     </sql>
16
17
18     <!-- 根据ID查询用户信息 -->
19     <select id="queryUserById" resultMap="User_t">
20     SELECT
21     <include refid="columns" />
22     FROM
23     user_t
24     WHERE
25     user_id = #{userId}
26     </select>
27
28    </mapper>
```

springmvc + mybatis整合详细，及遇到的问题请参看以下资料：

参考资料：

http://www.itnose.net/detail/6074493.html

http://my.oschina.net/wangbiglei/blog/489583

http://my.oschina.net/wangbiglei/blog/489604