



链滴

SSH 框架搭建 xml 配置版

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分层

父模块:

erp_parent

子模块:

- erp_entity
- erp_dao
- erp_biz
- erp_web

pom.xml 文件配置

pom.xml如下: 注意解决依赖冲突的问题

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
MLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd
maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>

    <groupId>xin.liuyishi.erp</groupId>
    <artifactId>erp_parent</artifactId>
    <version>1.0-SNAPSHOT</version>
    <modules>
        <module>erp_entity</module>
        <module>erp_dao</module>
        <module>erp_biz</module>
        <module>erp_web</module>
    </modules>
    <packaging>pom</packaging>

    <name>erp_parent</name>
    <url>http://maven.apache.org</url>

    <properties>
        <hibernate.version>5.0.7.Final</hibernate.version>
        <spring.version>4.2.4.RELEASE</spring.version>
        <struts.version>2.3.24</struts.version>
        <slf4j.version>1.6.6</slf4j.version>
        <log4j.version>1.2.12</log4j.version>
        <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    </properties>

    <dependencies>
        <dependency>
            <groupId>org.hibernate</groupId>
            <artifactId>hibernate-core</artifactId>
            <version>${hibernate.version}</version>
        </dependency>
```

```
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-core</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-beans</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-orm</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-test</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context-support</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-aop</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-web</artifactId>
  <version>${spring.version}</version>
</dependency>
<dependency>
  <groupId>org.aspectj</groupId>
  <artifactId>aspectjweaver</artifactId>
  <version>1.8.7</version>
</dependency>
<dependency>
  <groupId>org.apache.struts</groupId>
  <artifactId>struts2-core</artifactId>
  <version>${struts.version}</version>
  <exclusions>
    <exclusion>
      <groupId>javassist</groupId>
      <artifactId>javassist</artifactId>
    </exclusion>
  </exclusions>
</dependency>
```

```

    </exclusions>
</dependency>
<dependency>
  <groupId>org.apache.struts</groupId>
  <artifactId>struts2-spring-plugin</artifactId>
  <version>${struts.version}</version>
  <exclusions>
    <exclusion>
      <artifactId>spring-beans</artifactId>
      <groupId>org.springframework</groupId>
    </exclusion>
    <exclusion>
      <artifactId>spring-web</artifactId>
      <groupId>org.springframework</groupId>
    </exclusion>
    <exclusion>
      <artifactId>spring-core</artifactId>
      <groupId>org.springframework</groupId>
    </exclusion>
    <exclusion>
      <artifactId>spring-context</artifactId>
      <groupId>org.springframework</groupId>
    </exclusion>
  </exclusions>
</dependency>

<!-- log start -->
<dependency>
  <groupId>log4j</groupId>
  <artifactId>log4j</artifactId>
  <version>${log4j.version}</version>
</dependency>

<dependency>
  <groupId>org.slf4j</groupId>
  <artifactId>slf4j-api</artifactId>
  <version>${slf4j.version}</version>
</dependency>

<dependency>
  <groupId>org.slf4j</groupId>
  <artifactId>slf4j-log4j12</artifactId>
  <version>${slf4j.version}</version>
  <exclusions>
    <exclusion>
      <artifactId>log4j</artifactId>
      <groupId>log4j</groupId>
    </exclusion>
  </exclusions>
</dependency>
<!-- log end -->

<dependency>
  <groupId>mysql</groupId>

```

```

        <artifactId>mysql-connector-java</artifactId>
        <version>5.1.44</version>
    </dependency>
    <dependency>
        <groupId>com.alibaba</groupId>
        <artifactId>fastjson</artifactId>
        <version>1.1.37</version>
    </dependency>

    <dependency>
        <groupId>junit</groupId>
        <artifactId>junit</artifactId>
        <version>4.10</version>
        <scope>test</scope>
    </dependency>

    <dependency>
        <groupId>javax.servlet</groupId>
        <artifactId>servlet-api</artifactId>
        <version>2.5</version>
        <scope>provided</scope>
    </dependency>
    <dependency>
        <groupId>com.alibaba</groupId>
        <artifactId>druid</artifactId>
        <version>1.1.5</version>
    </dependency>
</dependencies>

<build>
    <plugins>
        <plugin>
            <groupId>org.apache.tomcat.maven</groupId>
            <artifactId>tomcat7-maven-plugin</artifactId>
            <version>2.2</version>
            <configuration>
                <!-- 指定端口 -->
                <port>8080</port>
                <!-- 请求路径 -->
                <path>/erp</path>
                <!-- 页面请求提交的编码 -->
                <uriEncoding>utf-8</uriEncoding>
            </configuration>
        </plugin>
    </plugins>
</build>
</project>

```

erp_entity 模块

在 erp_entity 模块中添加 Dep 实体类 和 dep.hbm.xml 映射文件
dep 实体类

```

public class Dep {

    private Long uuid;
    private String name;
    private String tele;

    public Long getUuid() {
        return uuid;
    }
    public void setUuid(Long uuid) {
        this.uuid = uuid;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public String getTele() {
        return tele;
    }
    public void setTele(String tele) {
        this.tele = tele;
    }
}

```

dep.hbm.xml 映射文件

```

<?xml version='1.0' encoding='utf-8'?>
<!DOCTYPE hibernate-mapping PUBLIC
    "-//Hibernate/Hibernate Mapping DTD 3.0//EN"
    "http://www.hibernate.org/dtd/hibernate-mapping-3.0.dtd">
<hibernate-mapping>

    <class name="xin.liuyishi.erp.entity.Dep" table="dep">
        <id name="id">
            <column name="id"/>
            <generator class="native"/>
        </id>
        <property name="name"/>
        <property name="tele"/>
    </class>
</hibernate-mapping>

```

erp_dao 模块

DepDapImpl 类

```

package xin.liuyishi.erp.dao.impl;
import org.springframework.orm.hibernate5.support.HibernateDaoSupport;
import xin.liuyishi.erp.dao.DepDao;
import xin.liuyishi.erp.entity.Dep;
import java.util.List;

```

```

@SuppressWarnings("all")
public class DepDaoImpl extends HibernateDaoSupport implements DepDao {

    public List<Dep> getList() {
        return (List<Dep>) getHibernateTemplate().find("from Dep");
    }
}

```

dao 配置文件

applicationContext_dao.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"
    xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springf
amework.org/schema/beans/spring-beans.xsd">

    <bean id="depDao" class="xin.liuyishi.erp.dao.impl.DepDaoImpl">
        <property name="sessionFactory" ref="sessionFactory"/>
    </bean>
</beans>

```

applicationContext_datasource.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"
    xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springf
amework.org/schema/beans/spring-beans.xsd">

    <!-- 数据源 -->
    <bean id="dataSource" class="com.alibaba.druid.pool.DruidDataSource">
        <property name="driverClassName" value="com.mysql.jdbc.Driver"/>
        <property name="url" value="jdbc:mysql://localhost:3306/erp?characterEncoding=utf-8
/>
        <property name="username" value="root"/>
        <property name="password" value="root"/>
    </bean>

    <bean id="sessionFactory" class="org.springframework.orm.hibernate5.LocalSessionFactory
Bean">
        <property name="dataSource" ref="dataSource"/>
        <property name="hibernateProperties">
            <props>
                <prop key="hibernate.dialect">org.hibernate.dialect.Oracle10gDialect</prop>
                <prop key="hibernate.show_sql">true</prop>
                <prop key="hibernate.format_sql">>false</prop>
                <prop key="hibernate.hbm2ddl.auto">update</prop>
            </props>
        </property>
        <property name="mappingLocations">
            <value>classpath:*.hbm.xml</value>

```

```
    </property>
  </bean>
</beans>
```

测试类:

```
package xin.liuyishi.erp;

import org.junit.Test;
import org.springframework.context.ApplicationContext;
import org.springframework.context.support.ClassPathXmlApplicationContext;
import xin.liuyishi.erp.dao.DepDao;

public class DaoModelTest {

    @Test
    public void Mytest() {
        ApplicationContext ct = new ClassPathXmlApplicationContext("classpath*:applicationCo
text_*.xml");
        DepDao depDao = (DepDao) ct.getBean("depDao");

        System.out.println(depDao.getList().size());
    }
}
```

erp_biz 模块

DepBizImpl 类

```
package xin.liuyishi.erp.biz.impl;

import xin.liuyishi.erp.biz.DepBiz;
import xin.liuyishi.erp.dao.DepDao;
import xin.liuyishi.erp.entity.Dep;

import java.util.List;

public class DepBizImpl implements DepBiz {

    private DepDao depDao;

    public void setDepDao(DepDao depDao) {
        this.depDao = depDao;
    }

    public List<Dep> getList() {
        return depDao.getList();
    }
}
```

applicationContext_biz.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"
  xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springf
amework.org/schema/beans/spring-beans.xsd">

  <bean id="depBiz" class="xin.liuyishi.erp.biz.impl.DepBizImpl">
    <property name="depDao" ref="depDao"/>
  </bean>

</beans>

```

applicationContext_tx.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:aop="http://www.spr
ingframework.org/schema/aop"
  xmlns:tx="http://www.springframework.org/schema/tx"
  xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springf
amework.org/schema/beans/spring-beans.xsd http://www.springframework.org/schema/aop
http://www.springframework.org/schema/aop/spring-aop.xsd http://www.springframework.o
g/schema/tx http://www.springframework.org/schema/tx/spring-tx.xsd">

  <bean id="transactionManager" class="org.springframework.orm.hibernate5.HibernateTra
sactionManager">
    <property name="sessionFactory" ref="sessionFactory"/>
  </bean>

  <tx:advice id="advice" transaction-manager="transactionManager">
    <tx:attributes>
      <tx:method name="do*" propagation="REQUIRED"/>
      <tx:method name="add*" propagation="REQUIRED"/>
      <tx:method name="update*" propagation="REQUIRED"/>
      <tx:method name="save*" propagation="REQUIRED"/>
      <tx:method name="delete*" propagation="REQUIRED"/>
      <tx:method name="*" read-only="true"/>
    </tx:attributes>
  </tx:advice>

  <aop:config>
    <aop:pointcut id="serviceMethod" expression="execution(* xin.liuyishi.erp.biz.impl.*.*(..)
"/>
    <aop:advisor pointcut-ref="serviceMethod" advice-ref="advice" />
  </aop:config>

</beans>

```

测试类:

```

package xin.liuyishi.erp;

import org.junit.Test;
import org.springframework.context.ApplicationContext;
import org.springframework.context.support.ClassPathXmlApplicationContext;

```

```

import xin.liuyishi.erp.biz.DepBiz;

public class BizModelTest {

    @Test
    public void MyTest() {

        ApplicationContext ct = new ClassPathXmlApplicationContext("classpath*:applicationCo
text_*.xml");
        DepBiz depBiz = (DepBiz) ct.getBean("depBiz");

        System.out.println(depBiz.getList().size());
    }
}

```

web 模块

DepAction 类

```

package xin.liuyishi.erp.action;

import com.alibaba.fastjson.JSON;
import org.apache.struts2.ServletActionContext;
import xin.liuyishi.erp.biz.DepBiz;
import xin.liuyishi.erp.entity.Dep;

import javax.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.util.List;

public class DepAction {

    private DepBiz depBiz;

    public void setDepBiz(DepBiz depBiz) {
        this.depBiz = depBiz;
    }

    public void list() {
        List<Dep> list = depBiz.getList();
        String jsonString = JSON.toJSONString(list);
        HttpServletResponse response = ServletActionContext.getResponse();
        response.setContentType("text/html;charset=utf-8");
        try {
            response.getWriter().write(jsonString);
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}

```

applicationContext_action.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"
       xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springf
amework.org/schema/beans/spring-beans.xsd">

    <bean id="depAction" class="xin.liuyishi.erp.action.DepAction" scope="prototype">
        <property name="depBiz" ref="depBiz"/>
    </bean>

</beans>
```

struts.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 2.3//EN"
    "http://struts.apache.org/dtds/struts-2.3.dtd">
<struts>

    <package name="default" namespace="/" extends="struts-default">
        <action name="dep_*" class="depAction" method="{1}"/>
    </package>

</struts>
```

浏览器访问: http://localhost:8080/erp/dep_list

结果如下:

```
[
  {
    "id": 7,
    "name": "工程部",
    "tele": "0766-789"
  },
  {
    "id": 8,
    "name": "研发部",
    "tele": "0755-456"
  }
]
```