

SpringHibernateDemo

```
|  
|-----tarena  
|  
|-----spring-config.xml
```

```
<!-- 加入Spring2Core -->  
<!-- 加入Spring2AOP -->  
<!-- 加入Spring2PersistenceCore -->  
<!-- 加入Hibernate3.1Core -->  
<!-- 加入MySQL -->
```

步骤一，创建POJO对象

```
public class User implements java.io.Serializable {
```

```
    private Integer userId;  
    private String userName;  
    private String userGender;
```

```
    public User() {  
    }
```

```
    public User(String userName, String userGender) {  
        this.userName = userName;  
        this.userGender = userGender;  
    }
```

```
    public Integer getUserId() {  
        return this.userId;  
    }
```

实验四.txt

```
public void setUserId(Integer userId) {
    this.userId = userId;
}

public String getUserName() {
    return this.userName;
}

public void setUserName(String userName) {
    this.userName = userName;
}

public String getUserGender() {
    return this.userGender;
}

public void setUserGender(String userGender) {
    this.userGender = userGender;
}

}
```

步骤二，创建POJO映射文件

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

```
<hibernate-mapping>
  <class name="tarena.User" table="user" catalog="test">
    <id name="userId" type="integer">
      <column name="user_id" />
      <generator class="increment" />
    </id>
    <property name="userName" type="string">
      <column name="user_name" length="20" />
    </property>
    <property name="userGender" type="string">
```

实验四.txt

```
<column name="user_gender" length="1" />
</property>
</class>
</hibernate-mapping>
```

步骤三，创建接口

```
public interface IUserDao {
    public void find(int id);
    public void insert(User user);
    public void update(User user);
    public void delete(User user);
}
```

步骤四，创建接口的实现类

```
public class UserDaoImpl extends HibernateDaoSupport implements
IUserDao {
```

```
    @Transactional(propagation = Propagation.REQUIRED)
    public void delete(User user) {
        System.out.println("正在删除用户。。。");
    }
```

```
    @Transactional(readOnly = true)
    public void find(int id) {
        System.out.println("正在查询用户。。。");
        String hql = "FROM User u WHERE u.userId =
?";
        Object[] args = { id };
        List<User> users =
this.getHibernateTemplate().find(hql, args);
        System.out.print(users.size());
    }
```

```
    @Transactional(propagation = Propagation.REQUIRED)
    public void insert(User user) {
        System.out.println("正在增加用户。。。");
        this.getHibernateTemplate().save(user);
    }
```

实验四.txt

```
// 产生异常，事务回滚，不会入库
//Integer.parseInt("abc123");
}

@Transactional(propagation = Propagation.REQUIRED)
public void update(User user) {
    System.out.println("正在修改用户。。。");
}

}
```

步骤五，

```
<?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:tx="http://www.springframework.org/schema/tx"
xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans-2.0.xsd
http://www.springframework.org/schema/tx
http://www.springframework.org/schema/tx/spring-tx-2.0.xsd">

    <!-- 修改XML头信息 -->

    <!-- 带连接池功能的
org.apache.commons.dbcp.BasicDataSource -->
    <!-- 数据源 -->
    <bean id="DriverManagerDataSource"
class="org.springframework.jdbc.datasource.DriverManagerDataSour
ce">
        <property name="driverClassName">
```

实验四.txt

```
<value>com.mysql.jdbc.Driver</value>
    </property>
    <property name="url">

<value>jdbc:mysql://localhost:3306/test</value>
    </property>
    <property name="username">
        <value>root</value>
    </property>
    <property name="password">
        <value>admin</value>
    </property>
</bean>

<!-- SessionFactory -->
<bean id="LocalSessionFactoryBean"
class="org.springframework.orm.hibernate3.LocalSessionFactoryBean"
n">
    <property name="dataSource">
        <ref bean="DriverManagerDataSource"
/>
    </property>
    <property name="mappingResources">
        <list>
<value>tarena/User.hbm.xml</value>
        </list>
    </property>
</bean>

<!-- 持久层 -->
<bean id="UserDaoImpl" class="tarena.UserDaoImpl">
    <property name="sessionFactory">
        <ref bean="LocalSessionFactoryBean"
/>
    </property>
```

实验四.txt

```
</bean>
```

```
<!-- Hibernate事务管理器 -->
```

```
<bean id="HibernateTransactionManager"
```

```
class="org.springframework.orm.hibernate3.HibernateTransactionMa  
nager">
```

```
    <property name="sessionFactory">
```

```
        <ref bean="LocalSessionFactoryBean"
```

```
    />
```

```
    </property>
```

```
</bean>
```

```
<!-- Spring2声明事务管理 -->
```

```
<tx:annotation-driven
```

```
transaction-manager="HibernateTransactionManager" />
```

```
</beans>
```

步骤六，

```
public class Test {
```

```
    public static void main(String[] args) {
```

```
        ApplicationContext context = new  
        ClassPathXmlApplicationContext(
```

```
            "tarena/spring-config.xml");
```

```
        IUserDao userDao = (IUserDao)
```

```
        context.getBean("UserDaoImpl");
```

实验四.txt

```
// userDao.find(5);
```

```
User user = new User();  
user.setUserName("zhaojun");  
user.setUserGender("m");
```

```
userDao.insert(user);
```

```
}
```

```
}
```

步骤七，
正在增加用户。。。