

mybatis 之一对多映射查询

需求:查询订单信息, 关联查询订单明细信息及用户信息

分析需求

查询订单信息,关联查询用户信息,所以我们可以发现主信息为 orders,从信息为 user,orderdetail

sql 语句

```
SELECT u.id uid, o.*, od.orders_id, od.items_id
FROM orders o
LEFT JOIN USER u
ON u.id = o.user_id
LEFT JOIN orderdetail od
ON o.id = od.orders_id
LEFT JOIN items i
ON i.id = od.items_id
```

修改扩展类

添加订单明细集合属性

```
package com.test.domain;

import java.util.List;

public class OrdersExt extends Orders {
```

```
private User user;

private List<Orderdetail> orderdetailList;

public List<Orderdetail> getOrderdetailList() {

    return orderdetailList;
}

public void setOrderdetailList(List<Orderdetail> orderdetailList) {

    this.orderdetailList = orderdetailList;
}

public User getUser() {

    return user;
}

public void setUser(User user) {

    this.user = user;
}
}
```

映射文件

extends 属性为继承,值为 resultMap 的 id,在 mybatis 映射文件中也可以和 java 类一样可以继承

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

<!DOCTYPE mapper

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

"http://mybatis.org/dtd/mybatis-3-mapper.dtd">
```

```
<mapper namespace="com.test.mapper.OrdersMapper">

    <resultMap type="com.test.domain.OrdersExt" id="ordersAndUserResultMap">

        <id column="id" property="id"/>

        <result column="user_id" property="userId"/>

        <result column="number" property="number"/>

        <result column="createtime" property="createtime"/>

        <result column="note" property="note"/>

        <association property="user" javaType="com.test.domain.User">

            <id column="user_id" property="id"/>

            <result column="username" property="username"/>

            <result column="sex" property="sex"/>

            <result column="address" property="address"/>

        </association>

    </resultMap>

    <resultMap type="com.test.domain.OrdersExt" id="ordersAndUserDetialResultMap"
extends="ordersAndUserResultMap">

        <collection property="orderdetailList" ofType="com.test.domain.Orderdetail">

            <id property="id" column="od_id"/>

            <result property="itemsId" column="items_id"/>

            <result property="ordersId" column="orders_id"/>

            <result property="itemsNum" column="items_num"/>

        </collection>

    </resultMap>

</mapper>
```

```
</collection>

</resultMap>

<select id="findOrdersAndUserAndOrderdetail"
resultMap="ordersAndUserDetialResultMap">

    SELECT u.username,
           u.sex ,
           u.address,
           o.*,
           od.id od_id,
           od.orders_id,
           od.items_id,
           od.items_num
    FROM orders o
    LEFT JOIN USER u
        ON u.id = o.user_id
    LEFT JOIN orderdetail od
        ON o.id = od.orders_id

</select>

</mapper>
```

OrdersMapper 接口

```
package com.test.mapper;

import java.util.List;

import com.test.domain.OrdersExt;

public interface OrdersMapper {

    List<OrdersExt> findOrdersAndUserAndOrderdetail();

}
```

测试代码

```
@Test
public void test_02(){
    SqlSession sqlSession = sqlSessionFactory.openSession();

    OrdersMapper mapper = sqlSession.getMapper(OrdersMapper.class);

    List<OrdersExt> ordersExtList = mapper.findOrdersAndUserAndOrderdetail();

    System.out.println(ordersExtList);
}
```