测试目的：

测试爱旅行项目对订单库存的操作是否正确。

无房认定：所定的房间在入住日期和退房日期之间所有的日期内，房间的数量小于预订数量的，则认为房间数量不足，则给出相应的无房提示。

有房认定：所定的房间在入住日期和退房日期之间所有的日期内，房间的数量都大于预订数量的，则认为房间数量满足预订条件。

## A 测试用例
输入条件：
1. 临时库存表有入住日期到退房日期内的全部日期的房间库存信息
2. 库存数量充足

测试步骤：
1. 用户在未登陆状态下请求接口（输出提示用户未登录）
2. 用户请求房间数量验证接口(输出验证房间信息通过)
3. 用户下单订单（输出预订成功）

## B.测试用例
输入条件：
1. 临时库存表缺少部分入住日期到退房日期内的库存信息
2. 库存数量充足

测试步骤：
1. 用户请求房间数量验证接口(输出验证房间信息通过,临时库存表新增相应记录)
2. 用户下单订单（输出预订成功，临时库存表新增相应记录）

## C.测试用例
1. 临时库存表缺少全部入住日期到退房日期内的库存信息
2. 库存数量充足

测试步骤：
1. 用户请求房间数量验证接口(输出验证房间信息通过,临时库存表新增相应记录)
2. 用户下单订单（输出预订成功，临时库存表新增相应记录）

**D.测试用例**

    1. 临时库存表中库存数量小于预订数量

测试步骤：

    1. 用户请求房间数量验证接口(输出验证房间信息不通过)

    2. 用户下单失败（输出预订失败）

**E.测试用例**

    1. 临时库存表不存在对应的记录，且商品库存表中的库存不足

测试步骤：

    1. 用户请求房间数量验证接口(输出验证房间信息不通过)

    2. 用户下单失败（输出预订失败）

**F.测试用例**

    1. 临时库存表库存数量充足

    2. 临时库存数量减去待支付状态订单占用的房间数量，小于预订的房间数量

测试步骤：

    1. 用户请求房间数量验证接口(输出验证房间信息不通过)

    2. 用户下单失败（输出预订失败）

    3. 两小时后，用户再次执行下单操作下单成功

**D 测试用例测试**

数据库态:

| id | hotelId | roomId | recordDate | store | creationDate | createdBy | modifyDate | modifiedBy |
|----|---------|--------|------------|-------|--------------|-----------|------------|------------|
| 115 | 1 | 1 | 2017-05-01 00:00:00 | 20 | 2017-05-23 10:00:43 | (Null) | (Null) | (Null) |
| 116 | 1 | 1 | 2017-05-02 00:00:00 | 20 | 2017-05-23 10:00:43 | (Null) | (Null) | (Null) |
| 117 | 1 | 1 | 2017-05-03 00:00:00 | 20 | 2017-05-23 10:00:43 | (Null) | (Null) | (Null) |
| 118 | 1 | 1 | 2017-05-04 00:00:00 | 20 | 2017-05-23 10:00:43 | (Null) | (Null) | (Null) |
| 119 | 1 | 1 | 2017-05-05 00:00:00 | 20 | 2017-05-23 10:00:43 | (Null) | (Null) | (Null) |
| 1 | 1 | 1 | 2017-05-06 00:00:00 | 19 | 2017-05-06 00:00:00 | (Null) | (Null) | (Null) |
| 107 | 1 | 1 | 2017-05-07 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 108 | 1 | 1 | 2017-05-08 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 109 | 1 | 1 | 2017-05-09 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 110 | 1 | 1 | 2017-05-10 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 111 | 1 | 1 | 2017-05-11 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 112 | 1 | 1 | 2017-05-12 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 113 | 1 | 1 | 2017-05-13 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 114 | 1 | 1 | 2017-05-14 00:00:00 | 20 | 2017-05-23 09:49:29 | (Null) | (Null) | (Null) |
| 2 | 1 | 1 | 2017-05-15 00:00:00 | 9 | 2017-05-18 09:50:12 | (Null) | (Null) | (Null) |
| 3 | 1 | 1 | 2017-05-16 00:00:00 | 9 | 2017-05-18 09:50:12 | (Null) | (Null) | (Null) |
| 4 | 1 | 1 | 2017-05-17 00:00:00 | 9 | 2017-05-18 09:50:12 | (Null) | (Null) | (Null) |
| 5 | 1 | 1 | 2017-05-18 00:00:00 | 9 | 2017-05-18 09:50:12 | (Null) | (Null) | (Null) |
| 6 | 1 | 1 | 2017-05-19 00:00:00 | 9 | 2017-05-18 09:50:12 | (Null) | (Null) | (Null) |
| 45 | 1 | 1 | 2017-05-20 00:00:00 | 17 | 2017-05-19 10:35:25 | (Null) | (Null) | (Null) |

输入 1:请求验证房间库存接口

```
{
    "checkInDate": "2017-05-01 00:00:00",
    "checkOutDate": "2017-05-20 00:00:00",
    "count": 10,
    "hotelId": 1,
    "roomId": 1}
```

结果 1:

```json
{
    "data": {
        "flag": false
    },
    "errorCode": "0",
    "msg": "操作成功",
    "success": "true"
}
```

结论：程序正常

输入 2：请求验证房间库存接口

```json
{
    "checkInDate": "2017-05-01 00:00:00",
    "checkOutDate": "2017-05-20 00:00:00",
    "count": 9
    "hotelId": 1,
    "roomId": 1}
```

结果 2：

```json
{
    "data": {
        "flag": true
    },
    "errorCode": "0",
    "msg": "操作成功",
    "success": "true"
}
```

结论：正常

输入 3:请求下单接口:

```json
{
    "checkInDate": "2017-05-01",
    "checkOutDate": "2017-05-20",
    "count": 10,
    "hotelId": 1,
    "hotelName": "北京首都大酒店",
    "invoiceHead": "北大青鸟阿博泰克",
    "invoiceType": 1,
    "isNeedInvoice": 1,
    "linkUserName": "周东成",
    "noticeEmail": "1044755845@qq.com",
    "noticePhone": "13366985584",
```

```
    "orderType": 1,
    "roomId": 1,
    "specialRequirement": "暂无"
}
```

结果 3：

```
{
    "data": null,
    "errorCode": "100507",
    "msg": "库存不足",
    "success": "false"
}
```

输入 4:请求下单接口

```
{
    "checkInDate": "2017-05-01",
    "checkOutDate": "2017-05-20",
    "count": 9
    "hotelId": 1,
    "hotelName": "北京首都大酒店",
    "invoiceHead": "北大青鸟阿博泰克",
    "invoiceType": 1,
    "isNeedInvoice": 1,
    "linkUserName": "周东成",
    "noticeEmail": "1044755845@qq.com",
    "noticePhone": "13366985584",
    "orderType": 1,
    "roomId": 1,
    "specialRequirement": "暂无"
}
```

结果 4:

```
{
    "data": null,
    "errorCode": "0,
    "msg": "下单成功
    "success": "false"
}
```

结论：正常

## E.测试用例

目前针对酒店 id 为 1 的房间 id 为 1 的房间，临时库存表不存在相关库存数据，商品库存表中库存为 20.

输入 1:请求验证库存接口

```
{
    "checkInDate": "2017-06-01 00:00:00",
    "checkOutDate": "2017-06-10 00:00:00",
    "count": 30,
    "hotelId": 1,
    "roomId": 1
}
```

结果 1: 请求验证库存接口

```
{
    "data": {
        "flag": false
    },
    "errorCode": "0",
    "msg": "操作成功",
    "success": "true"
}
```

结论：正常

输入 2: 请求验证库存接口

```
{
    "checkInDate": "2017-06-01 00:00:00",
    "checkOutDate": "2017-06-10 00:00:00",
    "count": 5
    "hotelId": 1,
    "roomId": 1
}
```

结果 2：

```
{
    "data": {
        "flag": true
    },
    "errorCode": "0",
    "msg": "操作成功",
    "success": "true"
}
```

输入 3:请求下单接口

```
{
    "checkInDate": "2017-06-01",
    "checkOutDate": "2017-06-10",
```

```
    "count": 10,
    "hotelId": 1,
    "hotelName": "北京首都大酒店",
    "invoiceHead": "北大青鸟",
    "invoiceType": 1,
    "isNeedInvoice": 1,
    "linkUserIds":1,
    "linkUserName": "周翔",
    "noticeEmail": "10447@qq.com",
    "noticePhone": "13555845878",
    "orderType": 1,
    "roomId": 1,
    "specialRequirement": "无"
}
```

结果 3：

```
{
    "data": null,
    "errorCode": "0",
    "msg": "生成订单成功",
    "success": "true"
}
```

结论：结果正常

**F.测试用例**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ▶ | 120 | 1 | 1 | 2017-06-01 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 121 | 1 | 1 | 2017-06-02 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 122 | 1 | 1 | 2017-06-03 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 123 | 1 | 1 | 2017-06-04 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 124 | 1 | 1 | 2017-06-05 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 125 | 1 | 1 | 2017-06-06 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 126 | 1 | 1 | 2017-06-07 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 127 | 1 | 1 | 2017-06-08 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 128 | 1 | 1 | 2017-06-09 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |
| | 129 | 1 | 1 | 2017-06-10 00:00:00 | 20 | 2017-05-23 10:39:39 | (Null) (Null) | | (Null) |

输入 1:

```
{
    "checkInDate": "2017-06-01 00:00:00",
    "checkOutDate": "2017-06-10 00:00:00",
    "count": 15,
    "hotelId": 1,
    "roomId": 1
}
```

结果 1:

```
{
```

```
    "data": {
        "flag": false
    },
    "errorCode": "0",
    "msg": "操作成功",
    "success": "true"
}
```

结论：正常