# 客户类

## 客户列表查询

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|  | 客户信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/customers  Method：get |
| 输出 | {"total":1,"items":[{"id":92,"userId":"wangyuanbin","name":"wangyuanbin","identity":"622201197812141818","password":"88888888","note":"note","createTime":"2017-11-27 16:52:22","updateTime":"2017-11-27 16:52:22","userGroup":{"id":1,"code":"00001","name":"管理员","note":null,"createTime":"2017-11-03 14:34:42","updateTime":"2017-11-27 16:19:29"},"number":"wangyuanbin","haveCylinder":true,"status":0,"customerType":{"id":2,"code":"00001","name":"普通住宅客户","note":null,"createTime":"2017-11-27 14:08:16","updateTime":"2017-11-27 14:08:16"},"customerLevel":{"id":2,"code":"00001","name":"一级客户","note":null,"createTime":"2017-10-30 14:10:06","updateTime":"2017-10-30 14:10:08"},"customerSource":{"id":2,"code":"00001","name":"销售宣传","note":null,"createTime":"2017-10-30 14:11:11","updateTime":"2017-10-30 14:11:11"},"customerCompany":{"id":2,"code":"00001","name":"千和酒店","note":null,"createTime":"2017-10-30 14:10:06","updateTime":"2017-10-30 14:10:08"},"address":{"province":"江苏","city":"南京","county":"秦淮区","detail":"白下科技园1号"},"phone":"08918912345"}]} |

|  |  |
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|  | 客户信息查询功能（条件查询） |
| 输入 | 输入地址：  <http://localhost:8080/api/customers?number=wangyuanbin>  Method：get |
| 输出 | { "total": 1, "items": [ { "id": 92, "userId": "wangyuanbin4", "name": "wangyuanbin4", "identity": "622201197812141818", "password": "88888888", "note": "note", "createTime": "2017-11-27 16:52:22", "updateTime": "2017-11-28 11:07:52", "userGroup": { "id": 1, "code": "00001", "name": "管理员", "note": null, "createTime": "2017-11-03 14:34:42", "updateTime": "2017-11-27 16:19:29" }, "number": "wangyuanbin", "haveCylinder": true, "status": 0, "customerType": { "id": 2, "code": "00001", "name": "普通住宅客户", "note": null, "createTime": "2017-11-27 14:08:16", "updateTime": "2017-11-27 14:08:16" }, "customerLevel": { "id": 2, "code": "00001", "name": "一级客户", "note": null, "createTime": "2017-10-30 14:10:06", "updateTime": "2017-10-30 14:10:08" }, "customerSource": { "id": 2, "code": "00001", "name": "销售宣传", "note": null, "createTime": "2017-10-30 14:11:11", "updateTime": "2017-10-30 14:11:11" }, "customerCompany": { "id": 4, "code": "3", "name": "cetc38", "note": null, "createTime": null, "updateTime": null }, "address": { "province": "江苏", "city": "南京", "county": "秦淮区", "detail": "白下科技园1号" }, "phone": "08918912345" } ] } |

|  |  |
| --- | --- |
|  | 客户信息查询功能（条件查询） |
| 输入 | 输入地址：  <http://localhost:8080/api/customers?orderBy=id&&pageSize=1&&pageNo=2>  Method：get |
| 输出 | { "total": 4, "items": [ { "id": 94, "userId": "wangyuanbin", "name": "wangyuanbin", "identity": "622201197812141818", "password": "88888888", "note": "note", "createTime": "2017-11-28 09:43:10", "updateTime": "2017-12-02 16:35:40", "userGroup": { "id": 1, "code": "00001", "name": "管理员", "note": null, "createTime": "2017-11-03 14:34:42", "updateTime": "2017-11-27 16:19:29" }, "number": "wangyuanbin2", "haveCylinder": false, "status": 0, "customerType": { "id": 2, "code": "00001", "name": "普通住宅客户", "note": null, "createTime": "2017-11-27 14:08:16", "updateTime": "2017-11-27 14:08:16" }, "customerLevel": { "id": 2, "code": "00001", "name": "一级客户", "note": null, "createTime": "2017-10-30 14:10:06", "updateTime": "2017-10-30 14:10:08" }, "customerSource": { "id": 2, "code": "00002", "name": "广告", "note": null, "createTime": "2017-10-30 14:11:11", "updateTime": "2017-10-30 14:11:11" }, "customerCompany": { "id": 1, "code": "00000", "name": "未定义", "note": null, "createTime": "2017-10-12 15:39:20", "updateTime": "2017-10-12 15:39:22" }, "address": { "province": "江苏", "city": "南京", "county": "秦淮区", "detail": "白下科技园1号" }, "phone": "08918912345" } ] } |
|  |  |

## 客户登录功能

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|  | 客户登录功能 |
| 输入 | 输入地址：  GET http://localhost:8080/api/customers/login?userId=wangyuanbin4&&password=88888888 Accept: application/json userId: wangyuanbin4 password: 88888888 |
| 输出 | { "id": 92, "userId": "wangyuanbin4", "name": "wangyuanbin4", "identity": "622201197812141818", "password": "88888888", "note": "note", "createTime": "2017-11-27 16:52:22", "updateTime": "2017-11-28 11:07:52", "userGroup": { "id": 1, "code": "00001", "name": "管理员", "note": null, "createTime": null, "updateTime": null } } |

## 客户增加功能

|  |  |
| --- | --- |
|  | 客户增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/customers/  Method：POST  Body: |
| 输出 | 201 Created |

|  |  |
| --- | --- |
|  | 客户增加功能（公司信息为新增信息） |
| 输入 | 输入地址：  http://localhost:8080/api/customers/  Method：POST  Body:  { "userGroup": { "code":"00001"},"userId": "wangyuanbin3", "name": "wangyuanbin3",  "password": "88888888", "identity": "622201197812141818", "haveCylinder": true, "status": 0,  "settlementType":{"code":"00001"},  "customerType": { "code":"00001" }, "customerLevel": { "code":"00001" }, "customerSource": { "code":"00001" },  "customerCompany": { "name":"cetc28" },  "address": { "province":"江苏", "city":"南京", "county":"秦淮区", "detail":"白下科技园1号" },  "note":"note","phone": "08918912345" } |
| 输出 | 201 Created |

## 客户删除功能

|  |  |
| --- | --- |
|  | 客户删除功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/customers/wangyuanbin?userId=wangyuanbin>  Method：DELETE  参数：  userId:wangyuanbin |
| 输出 | 204 No Content |

## 客户修改功能

|  |  |
| --- | --- |
|  | 客户修改功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/customers/wangyuanbin>  Method：PUT  Body:  { "userGroup": { "code":"00001"},"userId": "wangyuanbin", "name": "wangyuanbin", "password": "88888888", "identity": "622201197812141818", "haveCylinder": true, "status": 0, "customerType": { "code":"00001" }, "customerLevel": { "code":"00001" }, "customerSource": { "code":"00001" },"customerCompany": { "code":"00001" }, "address": { "province":"江苏", "city":"南京", "county":"秦淮区", "detail":"白下科技园1号" },"note":"note","phone": "08918912345" } |
| 输出 | 200 ok |

## 客户呼叫信息查询

|  |  |
| --- | --- |
|  | 客户呼叫信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/CustomerCallIn  Method：get |
| 输出 | { "total": 1, "items": [ { "id": 17, "phone": "08978912345", "customer": { "id": 92, "userId": "wangyuanbin4", "name": "wangyuanbin4", "identity": "622201197812141818", "password": "88888888", "note": "note", "createTime": "2017-11-27 16:52:22", "updateTime": "2017-11-28 11:07:52", "userGroup": { "id": 1, "code": "00001", "name": "管理员", "note": null, "createTime": "2017-11-03 14:34:42", "updateTime": "2017-11-27 16:19:29" }, "number": "wangyuanbin", "haveCylinder": true, "status": 0, "customerType": { "id": 3, "code": "00002", "name": "餐饮客户1", "note": null, "createTime": "2017-11-29 15:45:09", "updateTime": "2017-11-29 15:45:09" }, "customerLevel": { "id": 2, "code": "00001", "name": "一级客户", "note": null, "createTime": "2017-10-30 14:10:06", "updateTime": "2017-10-30 14:10:08" }, "customerSource": { "id": 2, "code": "00002", "name": "广告", "note": null, "createTime": "2017-10-30 14:11:11", "updateTime": "2017-10-30 14:11:11" }, "customerCompany": { "id": 4, "code": "3", "name": "cetc38", "note": null, "createTime": null, "updateTime": null }, "address": { "province": "jiangsu", "city": "南京", "county": "秦淮区", "detail": "白下科技园1号" }, "phone": "08918912345" }, "province": "jiangsu", "city": "nanjing", "county": "qinghuai", "detail": "baixiakejiyuan", "createTime": "2017-11-29 13:57:54", "updateTime": null } ] } |

[http://localhost:8080/api/CustomerCallIn?orderBy=id&&pageSize=1&&pageNo=2](http://localhost:8080/api/customers?orderBy=id&&pageSize=1&&pageNo=2)

## 客户呼叫信息增加

|  |  |
| --- | --- |
|  | 客户呼叫信息增加功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerCallIn?userId=wangyuanbin2>  Method：POST  { "phone": "08978912345", "province": "jiangsu", "city": "nanjing", "county": "qinghuai", "detail": "baixiakejiyuan" } |
| 输出 | 201 |

## 客户呼叫信息删除

|  |  |
| --- | --- |
|  | 客户呼叫信息增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/CustomerCallIn?phone=08978912345  Method：DELETE |
| 输出 | 204 |

## 客户类型查询

|  |  |
| --- | --- |
|  | 客户类型查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerType>  Method：GET |
| 输出 | 200  {  "total": 3,  "items": [  {  "id": 1,  "code": "00000",  "name": "未定义",  "note": null,  "createTime": "2017-11-27 14:07:50",  "updateTime": "2017-11-27 14:07:50"  },  {  "id": 2,  "code": "00001",  "name": "普通住宅客户",  "note": null,  "createTime": "2017-11-27 14:08:16",  "updateTime": "2017-11-27 14:08:16"  },  {  "id": 3,  "code": "00002",  "name": "餐饮客户",  "note": null,  "createTime": "2017-11-27 14:08:23",  "updateTime": "2017-11-27 14:08:23"  }  ]  } |

|  |  |
| --- | --- |
|  | 客户类型查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerType?code=00001>  Method：GET |
| 输出 | 200  {  "total": 1,  "items": [  {  "id": 2,  "code": "00001",  "name": "普通住宅客户",  "note": null,  "createTime": "2017-11-27 14:08:16",  "updateTime": "2017-11-27 14:08:16"  }  ]  } |

[http://localhost:8080/api/CustomerType?orderBy=id&&pageSize=1&&pageNo=2](http://localhost:8080/api/customers?orderBy=id&&pageSize=1&&pageNo=2)

## 客户类型信息增加

|  |  |
| --- | --- |
|  | 客户类型增加 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerType](http://localhost:8080/api/CustomerType?code=00001)  Method：POST  {"code": "00003","name": "普通住宅客户3" } |
| 输出 | 201 |

## 客户类型信息删除

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerType?id=8>  Method：DELETE |
| 输出 | 204 |

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerType?code=00004>  Method：DELETE |
| 输出 | 204 |

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerType?n](http://localhost:8080/api/CustomerType?code=00004)ame=5  Method：DELETE |
| 输出 | 204 |

## 客户类型信息修改

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerType?c](http://localhost:8080/api/CustomerType?id=8)ode=00002  Method：PUT  {"code": "00002","name": "餐饮客户1" } |
| 输出 | 200 |

## 客户来源信息查询

|  |  |
| --- | --- |
|  | 客户来源信息查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerSource>  Method：GET |
| 输出 | 200  {  "total": 2,  "items": [  {  "id": 1,  "code": "00000",  "name": "未定义",  "note": null,  "createTime": "2017-10-12 15:40:30",  "updateTime": "2017-10-12 15:40:31"  },  {  "id": 2,  "code": "00001",  "name": "销售宣传",  "note": null,  "createTime": "2017-10-30 14:11:11",  "updateTime": "2017-10-30 14:11:11"  }  ]  } |

|  |  |
| --- | --- |
|  | 客户来源信息查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerSource?code=00001>  Method：GET |
| 输出 | {  "total": 1,  "items": [  {  "id": 2,  "code": "00001",  "name": "销售宣传",  "note": null,  "createTime": "2017-10-30 14:11:11",  "updateTime": "2017-10-30 14:11:11"  }  ]  } |

[http://localhost:8080/api/CustomerSource?orderBy=id&&pageSize=1&&pageNo=2](http://localhost:8080/api/customers?orderBy=id&&pageSize=1&&pageNo=2)

## 客户来源信息增加

|  |  |
| --- | --- |
|  | 客户来源增加 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerSource>  Method：POST  {"code":"00001", "name":"销售宣传"} |
| 输出 | 201 |

## 客户来源信息删除

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerSource?id=8](http://localhost:8080/api/CustomerType?id=8)  Method：DELETE |
| 输出 | 204 |

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerSource?code=00002](http://localhost:8080/api/CustomerType?code=00004)  Method：DELETE |
| 输出 | 204 |

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerSource?n](http://localhost:8080/api/CustomerType?code=00004)ame=4  Method：DELETE |
| 输出 | 204 |

## 客户来源信息修改

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerSource?c](http://localhost:8080/api/CustomerType?id=8)ode=00001  Method：PUT  {"code": "00002","name": "广告" } |
| 输出 | 200 |

## 客户级别信息查询

|  |  |
| --- | --- |
|  | 客户级别信息查询 |
| 输入 | 输入地址：  http://localhost:8080/api/CustomerLevel  Method：GET |
| 输出 | {  "total": 2,  "items": [  {  "id": 1,  "code": "00000",  "name": "未定义",  "note": null,  "createTime": "2017-10-12 15:39:20",  "updateTime": "2017-10-12 15:39:22"  },  {  "id": 2,  "code": "00001",  "name": "一级客户",  "note": null,  "createTime": "2017-10-30 14:10:06",  "updateTime": "2017-10-30 14:10:08"  }  ]  } |

|  |  |
| --- | --- |
|  | 客户来源信息查询 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerLevel?code=00001](http://localhost:8080/api/CustomerSource?code=00001)  Method：GET |
| 输出 | {  "total": 1,  "items": [  {  "id": 2,  "code": "00001",  "name": "一级客户",  "note": null,  "createTime": "2017-10-30 14:10:06",  "updateTime": "2017-10-30 14:10:08"  }  ]  } |

[http://localhost:8080/api/CustomerLevel?orderBy=id&&pageSize=1&&pageNo=2](http://localhost:8080/api/customers?orderBy=id&&pageSize=1&&pageNo=2)

## 客户级别信息增加

|  |  |
| --- | --- |
|  | 客户级别增加 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerLevel>  Method：POST  {"code": "00002","name": "2级客户"} |
| 输出 | 201 |

## 客户级别信息删除

|  |  |
| --- | --- |
|  | 客户级别删除 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerLevel?id=3>  Method：DELETE |
| 输出 | 204 |

|  |  |
| --- | --- |
|  | 客户级别删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerLevel?code=00002](http://localhost:8080/api/CustomerType?code=00004)  Method：DELETE |
| 输出 | 204 |

|  |  |
| --- | --- |
|  | 客户级别删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerLevel?n](http://localhost:8080/api/CustomerType?code=00004)ame=4  Method：DELETE |
| 输出 | 204 |

## 客户级别信息修改

|  |  |
| --- | --- |
|  | 客户级别修改 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerLevel?c](http://localhost:8080/api/CustomerType?id=8)ode=00001  Method：PUT  {"code": "00002","name": "2级客户"} |
| 输出 | 200 |

## 结算类型查询

|  |  |
| --- | --- |
|  | 结算类型查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/SettlementType>  Method：GET |
| 输出 | {  "total": 3,  "items":[  {  "id": 4,  "code": "00001",  "name": "普通客户",  "note": null,  "createTime": "2018-04-04 09:49:05",  "updateTime": "2018-04-04 09:49:05"  },  {  "id": 5,  "code": "00002",  "name": "月结客户",  "note": null,  "createTime": "2018-04-04 09:49:28",  "updateTime": "2018-04-04 09:49:28"  },  {  "id": 6,  "code": "00003",  "name": "气票客户",  "note": null,  "createTime": "2018-04-04 09:49:42",  "updateTime": "2018-04-04 09:49:42"  }  ]  } |

## 结算类型信息增加

|  |  |
| --- | --- |
|  | 结算类型增加 |
| 输入 | 输入地址：  [http://localhost:8080/api/SettlementType](http://localhost:8080/api/CustomerType?code=00001)  Method：POST  {  "code": "00001",  "name": "普通客户",  "createTime": "2018-04-04 09:49:05",  "updateTime": "2018-04-04 09:49:05"  } |
| 输出 | 201 |

## 结算类型信息修改

|  |  |
| --- | --- |
|  | 客户类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/SettlementType?c](http://localhost:8080/api/CustomerType?id=8)ode=00001  Method：PUT  {  "name": "普通客test"  } |
| 输出 | 200 |

## 结算类型信息删除

|  |  |
| --- | --- |
|  | 结算类型删除 |
| 输入 | 输入地址：  [http://localhost:8080/api/SettlementType?code](http://localhost:8080/api/CustomerType?id=8)=00001  Method：DELETE |
|  | 204 No Content |

## 欠款信息查询

|  |  |
| --- | --- |
|  | 欠款信息查询 |
| 输入 | 输入地址：  [http://localhost:8080/api/CustomerCredit](http://localhost:8080/api/SettlementType)  Method：GET |
| 输出 | {  "id": 1,  "userId": "ptkh",  "creditType":{  "name": "普通欠款",  "index": 0  },  "amount": 10,  "note": "",  "createTime": "2018-04-09 15:55:04",  "updateTime": "2018-04-09 15:55:05"  } |

## 欠款信息明细查询

|  |  |
| --- | --- |
|  | 欠款信息查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerCreditDetail>  Method：GET |
| 输出 | {  "id": 5,  "userId": "ptkh",  "creditType":{  "name": "普通欠款",  "index": 0  },  "amount": 10,  "orderSn": "20180409143126172",  "note": "dd",  "createTime": "2018-04-09 17:22:50"  } |

## 欠款信息明细增加

|  |  |
| --- | --- |
|  | 欠款信息查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CustomerCreditDetail>  Method：POST  {  "userId": "ptkh",  "creditType":"0",  "amount": 10,  "orderSn": "20180409143126172",  "note": "dd"  } |
| 输出 |  |

## 回款信息明细查询

|  |  |
| --- | --- |
|  | 回款历史信息查询 |
| 输入 | 输入地址：  http://localhost:8080/api/WriteOffDetail  Method：GET |
| 输出 | {  "id": 17,  "userId": "sxkh",  "creditType":{"name": "普通欠款", "index": 0},  "amount": 10,  "payType":{  "name": "扫码支付",  "index": 0  },  operId": "dianzhang",  "note": "",  "createTime": "2018-04-10 17:18:06"  } |

## 回款

|  |  |
| --- | --- |
|  | 回款 |
| 输入 | 输入地址：  http://localhost:8080/api/WriteOff  Method：POST  {  "userId": "sxkh",  "amount": 20,  "payType":"1"  } |
| 输出 |  |

## 回款历史信息删除

|  |  |
| --- | --- |
|  | 结算类型删除 |
| 输入 | 输入地址：  http://localhost:8080/api/WriteOffDetail/39  Method：DELETE |
|  | 204 No Content |

## 存银行款信息明细查询

|  |  |
| --- | --- |
|  | 存银行款信息查询 |
| 输入 | 输入地址：  http://localhost:8080/api/DepositDetail  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "id": 1,  "operId": "dianzhang",  "amount": 11,  "operTime": "2018-04-13 14:40:40",  "note": "",  "createTime": null,  "updateTime": "2018-04-13 14:40:44"  }  ]  } |

## 增加存银行款信息

|  |  |
| --- | --- |
|  | 增加存银行款信息 |
| 输入 | 输入地址：  http://localhost:8080/api/DepositDetail  Method：POST  {  "operId": "dianzhang",  "amount": 30  "operTime": "2018-04-13 14:5540"  } |
| 输出 |  |

## 存银行款信息删除

|  |  |
| --- | --- |
|  | 存银行款删除 |
| 输入 | 输入地址：  http://localhost:8080/api/DepositDetail/1  Method：DELETE |
|  | 204 No Content |

# 用户类

## 用户查询

|  |  |
| --- | --- |
|  | 客户信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/sysusers  Method：get |
| 输出 | { "total": 2, "items": [ { "id": 105, "userId": "zhouy4", "name": "name", "identity": "identity", "password": "password", "note": "note", "createTime": "2017-12-01 10:13:17", "updateTime": "2017-12-01 10:16:57", "userGroup": { "id": 3, "code": "00003", "name": "配送员", "note": null, "createTime": "2017-11-04 10:54:27", "updateTime": "2017-11-27 16:19:35" }, "department": { "id": 7, "code": "1-md", "name": "1号门店 ", "parentDepartment": { "id": 5, "code": "md", "name": "销售门店", "parentDepartment": { "id": 4, "code": "xs", "name": "销售部", "parentDepartment": { "id": 1, "code": "bjrq", "name": "云南百江燃气有限公司", "parentDepartment": null, "note": "云南百江燃气有限公司", "createTime": "2017-10-12 15:57:56", "updateTime": "2017-11-30 17:16:44" }, "note": " ", "createTime": "2017-11-30 14:40:42", "updateTime": "2017-11-30 17:16:55" }, "note": " ", "createTime": "2017-11-30 14:41:00", "updateTime": "2017-11-30 17:16:58" }, "note": "1号门店", "createTime": "2017-11-30 19:03:44", "updateTime": "2017-12-01 16:40:17" }, "userPosition": null, "jobNumber": "123456", "mobilePhone": "mobilePhone", "officePhone": "officePhone", "email": "email" }, { "id": 106, "userId": "zhouy5", "name": "name", "identity": "identity", "password": "password", "note": "note", "createTime": "2017-12-01 10:13:22", "updateTime": "2017-12-01 10:13:22", "userGroup": { "id": 3, "code": "00003", "name": "配送员", "note": null, "createTime": "2017-11-04 10:54:27", "updateTime": "2017-11-27 16:19:35" }, "department": { "id": 7, "code": "1-md", "name": "1号门店 ", "parentDepartment": { "id": 5, "code": "md", "name": "销售门店", "parentDepartment": { "id": 4, "code": "xs", "name": "销售部", "parentDepartment": { "id": 1, "code": "bjrq", "name": "云南百江燃气有限公司", "parentDepartment": null, "note": "云南百江燃气有限公司", "createTime": "2017-10-12 15:57:56", "updateTime": "2017-11-30 17:16:44" }, "note": " ", "createTime": "2017-11-30 14:40:42", "updateTime": "2017-11-30 17:16:55" }, "note": " ", "createTime": "2017-11-30 14:41:00", "updateTime": "2017-11-30 17:16:58" }, "note": "1号门店", "createTime": "2017-11-30 19:03:44", "updateTime": "2017-12-01 16:40:17" }, "userPosition": { "id": 11, "userIdx": 106, "longitude": 122, "latitude": 61, "createTime": "2017-12-02 11:16:33", "updateTime": "2017-12-02 11:17:21" }, "jobNumber": "123456", "mobilePhone": "mobilePhone", "officePhone": "officePhone", "email": "email" } ] } |

[http://localhost:8080/api/sysusers?orderBy=id&&pageSize=1&&pageNo=2](http://localhost:8080/api/customers?orderBy=id&&pageSize=1&&pageNo=2)

## 用户增加

|  |  |
| --- | --- |
|  | 客户信息增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/sysusers  Method：post  {  "userId":"zhouy3",  "jobNumber":"123456",  "name":"name",  "identity":"identity",  "password":"password",  "userGroup":{"code":"00003"},  "department":{"code":"00004"},  "mobilePhone":"mobilePhone",  "officePhone":"officePhone",  "email":"email",  "note":"note"  } |
| 输出 | 201 |

## 用户修改

|  |  |
| --- | --- |
|  | 客户信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/sysusers  Method：put  {  "jobNumber":"123456",  "name":"name",  "identity":"identity",  "password":"password",  "mobilePhone":"mobilePhone",  "officePhone":"officePhone",  "email":"email",  "note":"note"  } |
| 输出 | 200 |

## 用户删除

|  |  |
| --- | --- |
|  | 用户信息删除功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/sysusers?userId=zhouy>  Method：delete |
| 输出 | 204 |

## 客户登录功能

|  |  |
| --- | --- |
|  | 客户登录功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/sysusers/login?userId=zy&password=11111111>  Method：get |
| 输出 | { "id": 105, "userId": "zhouy4", "name": "name", "identity": "identity", "password": "password", "note": "note", "createTime": "2017-12-01 10:13:17", "updateTime": "2017-12-01 10:16:57", "userGroup": { "id": 3, "code": "00003", "name": "配送员", "note": null, "createTime": "2017-11-04 10:54:27", "updateTime": "2017-11-27 16:19:35" }, "department": { "id": 7, "code": "2-md", "name": "2号门店", "parentDepartment": { "id": 5, "code": "md", "name": "销售门店", "parentDepartment": { "id": 4, "code": "xs", "name": "销售部", "parentDepartment": { "id": 1, "code": "bjrq", "name": "云南百江燃气有限公司", "parentDepartment": null, "note": "云南百江燃气有限公司", "createTime": "2017-10-12 15:57:56", "updateTime": "2017-11-30 17:16:44" }, "note": " ", "createTime": "2017-11-30 14:40:42", "updateTime": "2017-11-30 17:16:55" }, "note": " ", "createTime": "2017-11-30 14:41:00", "updateTime": "2017-11-30 17:16:58" }, "note": " ", "createTime": "2017-11-30 19:03:44", "updateTime": "2017-11-30 19:03:44" }, "jobNumber": "123456", "mobilePhone": "mobilePhone", "officePhone": "officePhone", "email": "email" } |

## 部门信息查询

|  |  |
| --- | --- |
|  | 部门信息查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/Department/Lower?code=md>  Method：GET |
| 输出 | {  "total": 2,  "items":[  {  "id": 5,  "code": "md",  "name": "销售门店",  "parentDepartment": null,  "lstSubDepartment":[{"id": 7, "code": "1-md", "name": "1号门店 ", "parentDepartment": null,…],  "note": "",  "createTime": "2017-11-30 14:41:00",  "updateTime": "2017-11-30 17:16:58"  }  ]  } |

|  |  |
| --- | --- |
|  | 部门信息查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/Department/Upper?code=md>  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "id": 5,  "code": "md",  "name": "销售门店",  "parentDepartment":{"id": 4, "code": "xs", "name": "销售部", "parentDepartment":{"id": 1,…},  "lstSubDepartment": null,  "note": "",  "createTime": "2017-11-30 14:41:00",  "updateTime": "2017-11-30 17:16:58"  }  ]  } |

## 部门信息增加

|  |  |
| --- | --- |
|  | 部门信息查询 |
| 输入 | 输入地址：  [http://localhost:8080/api/Department](http://localhost:8080/api/Department?code=1-md)  Method：POST  { "code": "2-md", "name": "2号门店 ", "parentDepartment": {"code":"md"}, "note": "2号门店 " }, |
| 输出 | 201 |

## 部门信息删除

|  |  |
| --- | --- |
|  | 部门信息删除 |
| 输入 | 输入地址：  <http://localhost:8080/api/Department?code=1-md>  Method：DELETE |
| 输出 | 201 |

## 部门信息修改

## 用户（派送员）经纬度位置信息更新

|  |  |
| --- | --- |
|  | 派送员位置更新 |
| 输入 | 输入地址：  http://localhost:8080/api/sysusers/userId=zhouy4  Method：POST  {"longitude": 122, "latitude": 61  } |
| 输出 | 201 |

# 云客服用户

## 创建云客服用户

|  |  |
| --- | --- |
|  | 创建云客服用户 |
| 输入 | 输入地址：  http://localhost:8080/api/CloudUser  Method：POST  Body：    {  "userId": "00002",  "password": "111111",  "note": "0002"  } |
| 输出 | 201 |

## 云客服用户修改

|  |  |
| --- | --- |
|  | 云客服修改功能 |
| 输入 | 输入地址：  http://localhost:8080/api/CloudUser/00001  Method：put  {  "userId": "00003",  "password": "222222",  "note": "2222"  } |
| 输出 | 200 |

## 云客服用户删除

|  |  |
| --- | --- |
|  | 云客服用户信息删除功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/CloudUser/00003>  Method：delete |
| 输出 | 204 |

## 云客服用户查询

|  |  |
| --- | --- |
|  | 云客服客户信息查询功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/CloudUser>  Method：get |
| 输出 | {  "total": 1,  "items":[  {  "id": 119,  "userId": "00002",  "password": "111111",  "note": "0002",  "createTime": "2018-01-22 16:35:01",  "updateTime": "2018-01-22 16:35:01",  "panvaUser": null  }  ]  } |

## 绑定系统用户

|  |  |
| --- | --- |
|  | 绑定系统用户功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/CloudUser/Bind/00002?panvaUserId=wangyuanbin>  Method：PUT |
| 输出 | 200 |

## 解绑定系统用户

|  |  |
| --- | --- |
|  | 解绑定系统用户功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/CloudUser/UnBind/00002?panvaUserId=wangyuanbin>  Method：PUT |
| 输出 | 200 |

# 商品类

## 商品类型查询

|  |  |
| --- | --- |
|  | 商品类型信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GoodsTypes  Method：get |
| 输出 | {  "total": 1,  "items":  [ {  "id": 7,  "code": "gt\_0001",  "name": "液化气",  "note": null,  "createTime": "2017-11-20 12:08:47",  "updateTime": "2017-11-20 12:08:47"  } ]  } |

## 创建商品类型

|  |  |
| --- | --- |
|  | 创建商品类型信息 |
| 输入 | 输入地址：  http://localhost:8080/api/GoodsTypes  Method：POST  Body：  { "code" : "gt\_0001", "name" : "液化气" } |
| 输出 | 201 |

## 修改商品类型

|  |  |
| --- | --- |
|  | 修改商品类型信息 |
| 输入 | 输入地址：  [http://localhost:8080/api/GoodsTypes/gt\_0001](http://localhost:8080/api/goodsType/gt_0001)  Method：PUT  Body：  { "name" : "桶装水" } |
| 输出 | 200 ok |

## 删除商品类型

|  |  |
| --- | --- |
|  | 修改商品类型信息 |
| 输入 | 输入地址：  [http://localhost:8080/api/GoodsType/gt\_0001](http://localhost:8080/api/goodsType/gt_0001)  Method：DELETE  头部参数：  code: gt\_0001 |
| 输出 | 200 ok |

## 商品查询

|  |  |
| --- | --- |
|  | 商品信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Goods  Method：get |
| 输出 | {  "id": 2,  "code": "00001",  "name": "20公斤桶装水",  "specifications": "20公斤",  "unit": "瓶",  "weight": 20,  "price": 20,  "status": 0,  "lifeExpectancy": 1,  "goodsType":{"id": 13, "code": "0002", "name": "液化气", "note": "",…},  "area":{"id": 1, "province": "江苏", "city": "南京", "county": "全市",…},  "note": "43",  "createTime": "2018-05-09 10:06:16",  "updateTime": "2018-05-22 14:45:24"  } |

## 商品增加

|  |  |
| --- | --- |
|  | 商品信息增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Goods  Method：POST  { "code": "006", "name": "20公斤桶装水",  "specifications":"20公斤",  "unit": "瓶",  "price": 20,  "weight": 20,  "lifeExpectancy": 1, "goodsType": { "code": "0002" },  "area":{"province":"江苏","city":"常州","county":"全市"},  "status": 0, "note": "43" } |
| 输出 | 201 |

## 商品删除

|  |  |
| --- | --- |
|  | 商品信息删除功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Goods  Method：DELETE |
| 输出 | 204 |

## 商品更新

|  |  |
| --- | --- |
|  | 商品信息更新功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Goods  Method：PUT  { "code": "004", "name": "4公斤桶装水",  "specifications":"4公斤",  "unit": "瓶",  "price": 10,  "weight": 10,  "lifeExpectancy": 4, "goodsType": { "code": "gt\_0002" },  "status": 1, "note": "43" } |
| 输出 | 204 |

# 订单类

## 增加订单

|  |  |
| --- | --- |
|  | 订单增加功能（气票客户） |
| 输入 | 输入地址：  http://localhost:8080/api/Orders  Method：POST  { "callInPhone": "13456789", "customer":{ "userId" :"qpkh"},  "orderAmount": 20, "orderStatus":0, "recvAddr": { "province":"江苏", "city":"南京", "county":"秦淮区", "detail":"白下科技园1号"},  "recvLongitude":122.0,  "recvLatitude":61,  "recvName":"wyb", "recvPhone":"12478952",  "urgent":true,  "orderDetailList": [ { "goods": { "code": "004"}, "dealPrice":20, "originalPrice":20, "quantity":1 , "subtotal":10 } ], "payType": "PTOnLine", "accessType": "ATWeixin", "reserveTime":"2017-12-10 08:10:00" } |
| 输出 | 201 |

|  |  |
| --- | --- |
|  | 订单增加功能（普通客户） |
| 输入 | 输入地址：  http://localhost:8080/api/Orders  Method：POST  { "callInPhone": "13456789", "customer":{ "userId" :"kh-1"},  "orderAmount": 20, "orderStatus":0, "recvAddr": { "province":"江苏", "city":"南京", "county":"秦淮区", "detail":"白下科技园1号"},  "recvLongitude":122.0,  "recvLatitude":61,  "recvName":"wyb", "recvPhone":"12478952",  "urgent":true,  "orderDetailList": [ { "goods": { "code": "004"}, "dealPrice":20, "originalPrice":20, "quantity":1 , "subtotal":10 } ], "payType": "PTOnLine", "accessType": "ATWeixin", "reserveTime":"2017-12-10 08:10:00" } |
| 输出 | 201 |

## 气票客户支付

|  |  |
| --- | --- |
|  | 气票客户功能 |
| 输入 | 输入地址：  http://localhost:8080/api/TicketOrders/20180409135714388  Method：PUT |
| 输出 | 204 |

## 删除订单

|  |  |
| --- | --- |
|  | 订单增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Orders/{orderSn}  Method：DELETE |
| 输出 | 204 |

## 查询订单

|  |  |
| --- | --- |
|  | 订单查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Orders  Method：GET |
| 输出 | {"total":1,"items":[{"id":41,"orderSn":"20171208142843783","callInPhone":"13456789","customer":{"id":92,"userId":"wangyuanbin4","name":"wangyuanbin","identity":"22222","password":"555555","note":"note","createTime":"2017-11-27 16:52:22","updateTime":"2017-12-02 17:22:34","userGroup":{"id":1,"code":"00001","name":"管理员","note":null,"createTime":"2017-11-03 14:34:42","updateTime":"2017-11-27 16:19:29"},"number":"wangyuanbin","haveCylinder":false,"status":0,"customerType":{"id":2,"code":"00001","name":"普通住宅客户","note":null,"createTime":"2017-11-27 14:08:16","updateTime":"2017-11-27 14:08:16"},"customerLevel":{"id":2,"code":"00001","name":"一级客户","note":null,"createTime":"2017-10-30 14:10:06","updateTime":"2017-10-30 14:10:08"},"customerSource":{"id":2,"code":"00002","name":"广告","note":null,"createTime":"2017-10-30 14:11:11","updateTime":"2017-10-30 14:11:11"},"customerCompany":{"id":9,"code":"6","name":"test","note":null,"createTime":null,"updateTime":null},"address":{"province":"江苏","city":"南京","county":"秦淮区","detail":"白下科技园1号"},"phone":"555555"},"orderAmount":20.0,"payType":null,"orderStatus":0,"urgent":true,"accessType":null,"recvAddr":{"province":"江苏","city":"南京","county":"秦淮区","detail":"白下科技园1号"},"recvLongitude":124.0,"recvLatitude":36.2,"recvName":"wyb","recvPhohe":"12478952","reserveTime":null,"comment":null,"note":null,"createTime":"2017-12-08 14:28:43","updateTime":"2017-12-08 14:28:43","orderDetailList":[{"id":34,"orderIdx":41,"originalPrice":20.0,"goods":{"id":4,"code":"001","name":"15公斤桶装水","specifications":"瓶","unit":null,"weight":10.0,"price":13.0,"status":0,"lifeExpectancy":1,"goodsType":{"id":13,"code":"0002","name":"桶装水","note":null,"createTime":"2017-11-20 17:24:01","updateTime":"2017-12-08 11:01:25"},"note":"33","createTime":"2017-11-21 15:14:04","updateTime":"2017-12-05 15:40:53"},"dealPrice":20.0,"quantity":1,"subtotal":10,"createTime":"2017-12-08 14:28:43","updateTime":"2017-12-08 14:28:43"}]}]} |

## 更新订单

|  |  |
| --- | --- |
|  | 订单状态更新功能 |
| 输入 | 输入地址：  http://localhost:8080/api/Orders/{orderSn}  Method：PUT  { "orderStatus":1, "recvAddr": { "province":"江苏1", "city":"1南京", "county":"秦淮1区", "detail":"白下科技园2号"}, "recvLongitude":150.0, "recvLatitude":38.2, "recvName":"wyb2222", "recvPhohe":"124789222252", "reserveTime":"2017-12-13 08:10:00" }  { "orderStatus":1,  "payType":"2",  "payStatus":"1"  } |
| 输出 | 200 |

## 任务订单查询

|  |  |
| --- | --- |
|  | 订单查询功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/TaskOrders/zhangsan>  Method：GET |
| 输出 |  |

## 查询任务订单更新日志

|  |  |
| --- | --- |
|  | 订单查询功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/TaskOrders/OpHistory?orderSn=20171212155757589>  20180103135727401  Method：GET |
| 输出 | { "total": 1, "items": [ { "id": 1, "orderSn": "20171212155757589", "userId": "17855", "opLog": "订单已创建", "updateTime": "2017-12-12 15:57:58" } ] } |

## 任务订单处理--抢单

|  |  |
| --- | --- |
|  | 订单查询功能 |
| 输入 | 输入地址：  [http://localhost:8080/api/TaskOrders/Process/](http://localhost:8080/api/TaskOrders/OpHistory?orderSn=20171212155757589)10100?businessKey=20180103144343981&candiUser=zhangsan&orderStatus=1    Method：GET |
| 输出 | 200 |

# 钢瓶类

## 钢瓶厂家增加

|  |  |
| --- | --- |
|  | 钢瓶厂家增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCynFactory  Method：POST  {  "code":"les",  "name":"les",  "note":"les"  } |
| 输出 | 201 |

## 钢瓶厂家查询

|  |  |
| --- | --- |
|  | 钢瓶厂家查询 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCynFactory  Method：GET  {  "id": 14,  "code": "baifu",  "name": "百福",  "note": "百福",  "createTime": "2018-01-26 15:46:13",  "updateTime": "2018-01-26 15:46:19"  } |
| 输出 | 200 |

## 钢瓶厂家修改

|  |  |
| --- | --- |
|  | 钢瓶厂家查询 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCynFactory/les  Method：PUT  {  "code":"les2",  "name":"lesdadafd",  "note":"lesadadf"  } |
| 输出 | 200 |

## 钢瓶厂家删除

|  |  |
| --- | --- |
|  | 钢瓶厂家删除 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCynFactory/les  Method：DELETE |
| 输出 | 204 |

## 钢瓶增加

|  |  |
| --- | --- |
|  | 钢瓶增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCylinder  Method：POST    {  "number": "9",  "productionDate": "2017-12-14 20:00:00",  "verifyDate": "2018-12-14 20:00:00",  "nextVerifyDate": "2018-12-14 20:00:00",  "scrapDate": "2018-12-14 20:00:00",  "lifeStatus": 1,  "serviceStatus": 1,  "spec":{ "code":"0001" },  "factory":{ "code":"baifu" }  } |
| 输出 | 201 |

## 钢瓶信息修改

|  |  |
| --- | --- |
|  | 钢瓶修改功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinder/00003>  Method：POST  {  "number": "00001",  "productionDate": "2017-12-14 20:00:00",  "verifyDate": "2017-12-14 20:00:00",  "nextVerifyDate": "2017-12-14 20:00:00",  "scrapDate": "2017-12-14 20:00:00",  "status": "DevEnabled",  "spec":{ "code":"0001" }  } |
| 输出 | 200 |

## 钢瓶责任人交接

|  |  |
| --- | --- |
|  | 钢瓶责任人交接功能 |
| 输入 | 输入地址：  [http://localhost:8080/api/GasCylinder/TakeOver/12345](http://localhost:8080/api/GasCylinder/00003)  [http://localhost:8080/api/GasCylinder/TakeOver/00010?srcUserId=gangjianyuan-km&targetUserId=diaobo-km&serviceStatus=2&enableForce=false&note=test](http://localhost:8080/api/GasCylinder/00003)  Method：PUT |
| 输出 | 200 |

## 钢瓶删除

|  |  |
| --- | --- |
|  | 钢瓶删除功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinder/00003>  Method：DELETE |
| 输出 | 204 |

## 钢瓶绑定

|  |  |
| --- | --- |
|  | 钢瓶绑定功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinder/Bind/00001?locationDevNumber=0001>  Method：PUT |
| 输出 | 200 |

## 钢瓶解绑定

|  |  |
| --- | --- |
|  | 钢瓶解绑定功能 |
| 输入 | 输入地址：  [http://localhost:8080/api/GasCylinder/UnBind/00001?locationDevNumber=0001](http://localhost:8080/api/GasCylinder/Bind/00001?locationDevNumber=0001)  Method：PUT |
| 输出 | 200 |

## 钢瓶查询

|  |  |
| --- | --- |
|  | 钢瓶查询功能 |
| 输入 | 输入地址：  [http://localhost:8080/api/GasCylinder](http://localhost:8080/api/GasCylinder/Bind/00001?locationDevNumber=0001)  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "id": 25,  "number": "00001",  "spec":{"id": 18, "code": "0001", "name": "3公斤", "note": null,…},  "productionDate": "2017-12-14 20:00:00",  "verifyDate": "2017-12-14 20:00:00",  "nextVerifyDate": "2017-12-14 20:00:00",  "scrapDate": "2017-12-14 20:00:00",  "longitude": 0,  "latitude": 0,  "lifeStatus":{"name": "已启用", "index": 1},  "serviceStatus":{"name": "气站库存", "index": 0},  "locationDevice":{  "id": 15,  "number": "0001",  "longitude": 0,  "latitude": 0,  "status":{  "name": "已启用",  "index": 1  },  "electricQuantity": 0,  "note": null,  "createTime": "2018-01-10 10:53:22",  "updateTime": "2018-01-10 10:53:22"  },  "user":{  "id": 115,  "userId": "wangyuanbin",  "name": "wangyuanbin",  "identity": "123456789",  "password": "111111",  "note": "note",  "createTime": "2018-01-19 14:50:34",  "updateTime": "2018-01-20 10:23:13",  "userGroup":{"id": 3, "code": "00003", "name": "配送员", "note": null,…}  },  "note": null,  "createTime": "2018-01-19 15:17:55",  "updateTime": "2018-01-19 15:17:55"  }  ]  } |

## 钢瓶规格查询

|  |  |
| --- | --- |
|  | 钢瓶规格查询功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinderSpec>  Method：GET |
| 输出 | 200  {"total":2,"items":[{"id":18,"code":"0001","name":"3公斤","note":null,"createTime":"2018-01-09 11:23:27","updateTime":"2018-01-09 11:23:27"},{"id":19,"code":"0002","name":"10公斤","note":null,"createTime":"2018-01-09 11:23:44","updateTime":"2018-01-09 11:23:44"}]} |

## 钢瓶规格增加

|  |  |
| --- | --- |
|  | 钢瓶规格增加功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinderSpec>  Method：POST |
| 输出 | 201  { "code": "0003", "name": "10公斤", "note": "10kg", "createTime": "2018-01-09 11:23:27", "updateTime": "2018-01-09 11:23:27" } |

## 钢瓶规格修改

|  |  |
| --- | --- |
|  | 钢瓶规格修改功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinderSpec>/0003  Method：PUT  { "code": "0004", "name": "3公斤", "note": null, "createTime": "2018-01-09 11:23:27", "updateTime": "2018-01-09 11:23:27" } |
| 输出 | 200 |

## 钢瓶规格删除

|  |  |
| --- | --- |
|  | 钢瓶规格删除功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCylinderSpec>/0003  Method：DELETE |
| 输出 | 204 |

## 钢检瓶动态信息增加

|  |  |
| --- | --- |
|  | 钢检瓶动态信息增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCyrDynDetail  Method：post  {  "operUserId": "dianzhang",  "gasCyrSpecCode": "0002",  "gasCyrSpecName": "15kg",  "gasCyrDynOperType":"2",  "amount": 5  } |
| 输出 | 204 |

## 钢检瓶动态信息查询

|  |  |
| --- | --- |
|  | 钢检瓶动态信息查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCyrDynDetail  Method：get |
| 输出 | {  "id": 5,  "operUserId": "dianzhang",  "gasCyrSpecCode": "0002",  "gasCyrSpecName": "15kg",  "gasCyrDynOperType":{"name": "收取钢检瓶", "index": 2},  "amount": 5,  "note": "",  "createTime": "2018-04-25 15:46:54",  "updateTime": "2018-04-25 15:46:54"  } |

## 钢瓶交接告警信息查询

|  |  |
| --- | --- |
|  | 钢瓶交接告警信息查询 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCylinderWarn  Method：get |
| 输出 | {  "total": 2,  "items":[  {  "id": 11,  "gasCylinder":{"id": 2, "number": "00010", "spec":{"id": 18, "code": "0001",…},  "srcUser":{"id": 2826, "userId": "gangjianyuan-km", "name": "gangjianyuan-km", "identity": "gangjianyuan-lj",…},  "gasCylinderSvcStatusOpHis":{"id": 4, "gasCylinder":{"id": 2, "number": "00010", "spec":{"id": 18,…},  "gasCynWarnStatus":{"name": "已处理", "index": 2},  "note": null,  "createTime": null,  "updateTime": null  },  {  "id": 12,  "gasCylinder":{"id": 2, "number": "00010", "spec":{"id": 18, "code": "0001",…},  "srcUser":{"id": 2826, "userId": "gangjianyuan-km", "name": "gangjianyuan-km", "identity": "gangjianyuan-lj",…},  "gasCylinderSvcStatusOpHis":{"id": 5, "gasCylinder":{"id": 2, "number": "00010", "spec":{"id": 18,…},  "gasCynWarnStatus":{"name": "处理中", "index": 1},  "note": null,  "createTime": null,  "updateTime": null  }  ]  } |

## 钢瓶告警状态修改

|  |  |
| --- | --- |
|  | 钢瓶告警状态修改 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCylinderWarn/11  Method：PUT  {  "gasCynWarnStatus":{"2"}  } |
| 输出 | 200 |

# 托盘类

## 托盘增加

|  |  |
| --- | --- |
|  | 托盘增加功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCynTray  Method：POST    {  "number": "2",  "deviceStatus":"0",  "note": "1"  } |
| 输出 | 201 |

## 托盘查询

|  |  |
| --- | --- |
|  | 托盘查询功能 |
| 输入 | 输入地址：  [http://localhost:8080/api/GasCynTray](http://localhost:8080/api/GasCylinderSpec)  Method：GET |
| 输出 | 200  {  "id": 1,  "number": "1",  "deviceStatus":{"name": "已启用", "index": 1},  "note": "1",  "createTime": "2018-06-16 11:04:08",  "updateTime": "2018-06-16 11:04:09"  },  {  "id": 2,  "number": "2",  "deviceStatus":{"name": "未启用", "index": 0},  "note": "1",  "createTime": "2018-06-16 11:10:36",  "updateTime": "2018-06-16 11:10:36"  } |

## 托盘历史数据查询

|  |  |
| --- | --- |
|  | 托盘查询功能 |
| 输入 | 输入地址：  http://localhost:8080/api/GasCynTray/History?number=1&startTime=1&endTime=4  Method：GET |
| 输出 | 200  {  "id": null,  "number": "1",  "deviceStatus": null,  "weight": 10,  "timestamp": "2",  "longitude": 1,  "latitude": 1,  "note": null,  "createTime": null,  "updateTime": null  } |

## 托盘信息删除

|  |  |
| --- | --- |
|  | 钢瓶规格删除功能 |
| 输入 | 输入地址  http://localhost:8080/api/GasCynTray/1  Method：DELETE |
| 输出 | 204 |

## 托盘信息修改

|  |  |
| --- | --- |
|  | 钢瓶修改功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCynTray/1>  Method：POST  {  "number": "2",  "deviceStatus":"2",  "note": "2"  } |
| 输出 | 200 |

## 托盘绑定

|  |  |
| --- | --- |
|  | 托盘绑定功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCynTray/Bind/2?userId=kh-1>  Method：PUT |
| 输出 | 200 |

## 托盘解绑定

|  |  |
| --- | --- |
|  | 托盘解绑定功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/GasCynTray/Bind/2?userId=kh-1>  Method：PUT |
| 输出 | 200 |

## 不间断供气订单增加

|  |  |
| --- | --- |
|  | 不间断供气增加功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/UninterruptOrders>  Method：GET  {  "customer":{ "userId" :"kh-1"},  "dispatcher":{"userId" :"paisog-md1-km"},  "gasCylinder":{"number" :"00010"},  "goods":{"code" :"004"},  "dispatchOrder":{"orderSn" :"20180628111235657"},  "fullWeitht" :"5"  } |
| 输出 | 200 |

## 计算价格

|  |  |
| --- | --- |
|  | 支付功能 |
| 输入 | 输入地址：  http://localhost:8080/api/UninterruptOrders/Caculate/20180628140744388?emptyWeight=2  Method：GET |
| 输出 | "fullWeight": 5,  "emptyWeight": 2,  "originalPrice": 20,  "dealPrice": 20,  "originalAmount": 60,  "dealAmount": 60, |

## 支付

|  |  |
| --- | --- |
|  | 支付功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/UninterruptOrders/Pay/20180628140744388?emptyWeight=2&payType=1>  Method：GET |
| 输出 | 200 |

# 价格管理

## 调价计划增加

|  |  |
| --- | --- |
|  | 调价计划增加功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>  Method：POST    {  "name": "清明节调价",  "adjustPriceDetailList":  [  {  "goods":{ "code": "001"},  "price":20  }  ],  "effectTime":"2017-12-10 08:10:00"  } |
| 输出 | 201 |

|  |  |
| --- | --- |
|  | 调价计划增加功能--商品不存在 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>  Method：POST    {  "name": "清明节调价",  "adjustPriceDetailList":  [  {  "goods":{ "code": "0101"},  "price":20  }  ],  "effectTime":"2017-12-10 08:10:00"  } |
| 输出 | "**errorCode**"**:** 406,  "**message**"**:** "商品信息不存在！" |

## 调价计划查询

|  |  |
| --- | --- |
|  | 调价计划查询--无条件 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>  Method：GET |
| 输出 | {  "total": 2,  "items":[  {  "id": 3,  "name": "清明节调价",  "effectTime": "2017-12-10 08:10:00",  "adjustPriceScheduleStatus": null,  "adjustPriceDetailList":[{"id": 1, "adjPriceScheduleIdx": 3, "goods":{"id": 4, "code": "001",…],  "note": "",  "createTime": "2018-03-16 15:32:23",  "updateTime": null  },  {  "id": 4,  "name": "清明节调价",  "effectTime": "2017-12-10 08:10:00",  "adjustPriceScheduleStatus": null,  "adjustPriceDetailList":[{"id": 2, "adjPriceScheduleIdx": 4, "goods":{"id": 4, "code": "001",…],  "note": "",  "createTime": "2018-03-16 15:34:44",  "updateTime": null  }  ]  } |

|  |  |
| --- | --- |
|  | 调价计划查询--条件查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>  Method：GET  name=清明节  startTime=2017-11-11 08:20:00  endTime=2017-12-11 08:21:00 |
| 输出 | {  "total": 2,  "items":[  {  "id": 3,  "name": "清明节调价",  "effectTime": "2017-12-10 08:10:00",  "adjustPriceScheduleStatus": null,  "adjustPriceDetailList":[{"id": 1, "adjPriceScheduleIdx": 3, "goods":{"id": 4, "code": "001",…],  "note": "",  "createTime": "2018-03-16 15:32:23",  "updateTime": null  },  {  "id": 4,  "name": "清明节调价",  "effectTime": "2017-12-10 08:10:00",  "adjustPriceScheduleStatus": null,  "adjustPriceDetailList":[{"id": 2, "adjPriceScheduleIdx": 4, "goods":{"id": 4, "code": "001",…],  "note": "",  "createTime": "2018-03-16 15:34:44",  "updateTime": null  }  ]  } |

## 修改调价计划

|  |  |
| --- | --- |
|  | 调价计划修改--只修改主表 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>/3  Method：PUT  {  "name": "清明节调价方案1",  "effectTime":"2018-12-10 08:10:00"  } |
| 输出 | 200 |

|  |  |
| --- | --- |
|  | 调价计划修改--修改明细 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>/3  Method：PUT  {  "name": "清明节调价方案1",  "adjustPriceDetailList":  [  {  "goods":{ "code": "003"},  "price":200  }  ],  "effectTime":"2018-12-10 08:10:00"  } |
| 输出 | 200 |

|  |  |
| --- | --- |
|  | 调价计划修改--作废计划 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>/3  Method：PUT  {  "status": "1"} |
| 输出 | 200 |

|  |  |
| --- | --- |
|  | 调价计划修改--状态非待执行，不允许修改 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>/3  Method：PUT  {  "name": "清明节调价方案1",  "adjustPriceDetailList":  [  {  "goods":{ "code": "003"},  "price":200  }  ],  "effectTime":"2018-12-10 08:10:00"  } |
| 输出 | **errorCode**"**:** 406,  "**message**"**:** "该调价计划不允许修改！" |

## 删除调价计划

|  |  |
| --- | --- |
|  | 删除计划修改 |
| 输入 | 输入地址：  <http://localhost:8080/api/AdjustPriceSchedules>/3  Method：DELETE |
| 输出 | 204 |

## 优惠方案增加

|  |  |
| --- | --- |
|  | 优惠方案增加功能 |
| 输入 | 输入地址：  <http://localhost:8080/api/DiscountStrategies>  Method：POST  {  "name": "一级用户优惠",  "startTime":"2018-03-10 08:10:00",  "endTime":"2018-05-10 08:10:00",  "discountType":"0",  "discountConditionType":{"code":"00001"},  "discountConditionValue":"00001",  "useType":"0",  "discountDetails":  [  {  "goods":{ "code": "004"},  "discount":"10"  }  ]  } |
| 输出 | 201 |

## 优惠方案查询

|  |  |
| --- | --- |
|  | 优惠方案查询--无条件 |
| 输入 | 输入地址：  [http://localhost:8080/api/DiscountStrategies](http://localhost:8080/api/AdjustPriceSchedules)  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "id": 30,  "name": "一级用户优惠112",  "startTime": "2017-12-10 08:10:00",  "endTime": "2018-12-10 08:10:00",  "discountType":{"name": "直减", "index": 0},  "discountConditionType":{"id": 16, "code": "00001", "name": "用户等级优惠", "note": null,…},  "discountConditionValue": "00001",  "useType":{  "name": "排他 ",  "index": 0  },  "discountStrategyStatus":{  "name": "待生效",  "index": 0  },  "discountDetails":[  {  "id": 13,  "discountStrategyIdx": 30,  "goods":{"id": 4, "code": "001", "name": "15公斤桶装水", "specifications": "6kg",…},  "discount": 10,  "note": null,  "createTime": "2018-03-22 16:58:21",  "updateTime": null  }  ],  "note": "dsf",  "createTime": "2018-03-22 16:58:19",  "updateTime": "2018-03-23 11:16:22"  }  ]  } |

|  |  |
| --- | --- |
|  | 优惠方案查询--名称 |
| 输入 | 输入地址：  <http://localhost:8080/api/DiscountStrategies?name=一级用户>  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "id": 30,  "name": "一级用户优惠112",  "startTime": "2017-12-10 08:10:00",  "endTime": "2018-12-10 08:10:00",  "discountType":{"name": "直减", "index": 0},  "discountConditionType":{"id": 16, "code": "00001", "name": "用户等级优惠", "note": null,…},  "discountConditionValue": "00001",  "useType":{  "name": "排他 ",  "index": 0  },  "discountStrategyStatus":{  "name": "待生效",  "index": 0  },  "discountDetails":[  {  "id": 13,  "discountStrategyIdx": 30,  "goods":{"id": 4, "code": "001", "name": "15公斤桶装水", "specifications": "6kg",…},  "discount": 10,  "note": null,  "createTime": "2018-03-22 16:58:21",  "updateTime": null  }  ],  "note": "dsf",  "createTime": "2018-03-22 16:58:19",  "updateTime": "2018-03-23 11:16:22"  }  ]  } |

|  |  |
| --- | --- |
|  | 优惠方案查询--状态 |
| 输入 | 输入地址：  [http://localhost:8080/api/DiscountStrategies?status=1](http://localhost:8080/api/DiscountStrategies?name=一级用户)  Method：GET |
| 输出 |  |

## 修改优惠方案

|  |  |
| --- | --- |
|  | 优惠方案修改 |
| 输入 | 输入地址：  [http://localhost:8080/api/DiscountStrategies](http://localhost:8080/api/AdjustPriceSchedules)/30  {  "name": "一级用户优惠1",  "startTime":"2017-12-10 08:10:00",  "endTime":"2019-12-10 08:10:00",  "discountType":"1",  "discountConditionType":{"code":"00001"},  "discountConditionValue":"00001",  "useType":"1",  "discountStrategyStatus":"0",    "discountDetails":  [  {  "goods":{ "code": "003"},  "discount":11  }  ]  } |
| 输出 | 200 |

|  |  |
| --- | --- |
|  | 状态非待执行，不允许修改 |
| 输入 | 输入地址：  [http://localhost:8080/api/DiscountStrategies](http://localhost:8080/api/AdjustPriceSchedules)/30  Method：PUT  {  "name": "一级用户优惠1",  "startTime":"2017-12-10 08:10:00",  "endTime":"2019-12-10 08:10:00",  "discountType":"1",  "discountConditionType":{"code":"00001"},  "discountConditionValue":"00001",  "useType":"1",  "discountStrategyStatus":"0",    "discountDetails":  [  {  "goods":{ "code": "003"},  "discount":11  }  ]  } |
| 输出 | **errorCode**"**:** 406,  "**message**"**:** "该优惠策略已经执行，不允许修改！" |

## 删除优惠方案

|  |  |
| --- | --- |
|  | 删除优惠方案 |
| 输入 | 输入地址：  [http://localhost:8080/api/DiscountStrategies](http://localhost:8080/api/AdjustPriceSchedules)/3  Method：DELETE |
| 输出 | 204 |

# 报表

## 库存报表查询

|  |  |
| --- | --- |
|  | 库存日报表查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/Report/Stock?departmentCode=md>  Method：GET |
| 输出 | {  "total": 2,  "items":[  {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "0001",  "specName": "5kg",  "amount": 14  },  {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "0002",  "specName": "15kg",  "amount": 6  }  ]  } |

## 出入库报表查询

|  |  |
| --- | --- |
|  | 出入库报表查询 |
| 输入 | 输入地址：  http://localhost:8080/api/Report/StockInOut?departmentCode=md&stockType=1&loadStatus=0&startTime=2018-03-30 00:37:43&endTime=2018-03-31 15:37:43  Method：GET |
| 输出 | {  "total": 2,  "items":[  {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "0001",  "specName": "5kg",  "amount": 2  },  {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "0002",  "specName": "15kg",  "amount": 1  }  ]  }  } |

## 销售日报表查询

|  |  |
| --- | --- |
|  | 销售日报表查询(按支付类型) |
| 输入 | 输入地址：  http://localhost:8080/api/Report/Sales/ByPayType?payType=4&startDate=2018-04-11&endDate=2018-04-12  Method：GET |
| 输出 | {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "004",  "specName": "20公斤液化气",  "count": 2,  "sum": 40  }]  } |

|  |  |
| --- | --- |
|  | 销售日报表查询(按客户类型) |
| 输入 | 输入地址：  http://localhost:8080/api/Report/Sales/ByCustomerType?cstTypeCode=00001&startDate=2018-04-11&endDate=2018-04-12  Method：GET |
| 输出 | {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "004",  "specName": "20公斤液化气",  "count": 2,  "sum": 40  } |

## 销售往来日报表查询

|  |  |
| --- | --- |
|  | 销售往来日报表查询（欠款） |
| 输入 | 输入地址：  http://localhost:8080/api/Report/SaleContacts?creditType=0&writeOffType=0&startTime=2018-04-11 00:00:00&endTime=2018-04-13 00:00:00  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "departmentCode": "md",  "departmentName": "销售门店",  "sum": 20  }  ]  } |

|  |  |
| --- | --- |
|  | 销售往来日报表查询（回款） |
| 输入 | 输入地址：  http://localhost:8080/api/Report/SaleContacts?creditType=0&writeOffType=1&startTime=2018-04-11 00:00:00&endTime=2018-04-13 00:00:00  Method：GET |
| 输出 | {  "total": 1,  "items":[  {  "departmentCode": "md",  "departmentName": "销售门店",  "sum": 100  }  ]  } |

## 现金报表查询

|  |  |
| --- | --- |
|  | 销售现金日报表查询 |
| 输入 | 输入地址：  http://localhost:8080/api/Report/SaleCash?startTime=2018-04-13 00:00:00&endTime=2018-04-14 00:00:00  Method：GET |
| 输出 | {  "departmentCode": null,  "departmentName": null,  "saleCash": 0,  "ticketSaleCash": 40,  "depositCash": 11,  "creditWriteOff": 20,  "montlyCreditWriteOff": 20,  "accCredit": 40,  "accMonthlyCredit": 40,  "surplusCash": 69  } |

## 钢检瓶统计

|  |  |
| --- | --- |
|  | 钢检瓶统计 |
| 输入 | 输入地址：  http://localhost:8080/api/Report/GasCyrDyn  Method：GET |
| 输出 | {  "departmentCode": "md",  "departmentName": "销售门店",  "specCode": "0002",  "specName": "15kg",  "amount": 20  } |

# 气票

## 气票查询

|  |  |
| --- | --- |
|  | 气票查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/Ticket>  Method：GET  http://localhost:8080/api/Ticket?specCode=004  http://localhost:8080/api/Ticket?customerUserId=wangyuanbin&operatorUserId=dianzhang&useStatus=0 |
| 输出 | {  "id": 36,  "ticketSn": "1",  "customer":{"id": 3, "userId": "wangyuanbin", "name": "wangyuanbin", "identity": "622201197812141818",…},  "specCode": "004",  "specName": "20公斤",  "price": 200,  "operator":{"id": 2, "userId": "dianzhang", "name": "dianzhang", "identity": "dianzhang",…},  "ticketStatus":{  "name": "待使用",  "index": 0  },  "startDate": "2018-04-09 00:00:00",  "endDate": "2018-05-10 00:00:00",  "useTime": null,  "note": "",  "createTime": "2018-04-09 09:56:30",  "updateTime": "2018-04-09 09:56:30"  } |

## 气票信息增加

|  |  |
| --- | --- |
|  | 气票信息增加 |
| 输入 | 输入地址：  <http://localhost:8080/api/Ticket>  Method：POST  {  "ticketSn": "2",  "customer":{ "userId": "wangyuanbin"},  "specCode":"004",  "price": 200,  "operator":{ "userId": "dianzhang"},  "ticketStatus":"0",  "startDate": "2018-04-10 00:00:00",  "endDate": "2018-05-10 00:00:00"  } |
| 输出 | 201 |

## 气票信息修改

|  |  |
| --- | --- |
|  | 气票信息修改 |
| 输入 | 输入地址：  http://localhost:8080/api/Ticket/31  Method：PUT  {  "price": 20,  "ticketStatus":"0",  "startDate": "2018-05-010 00:00:00",  "endDate": "2018-07-05 00:00:00",  "useTime": "2018-06-20 00:00:00",  "note": " fff "  } |
| 输出 | 200 |

## 气票信息删除

|  |  |
| --- | --- |
|  | 气票删除 |
| 输入 | 输入地址：  http://localhost:8080/api/Ticket/1  Method：DELETE |
|  | 204 No Content |

## 气票消费查询

|  |  |
| --- | --- |
|  | 气票消费查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/Ticket>  Method：GET  <http://localhost:8080/api/TicketOrder>  <http://localhost:8080/api/TicketOrder?userId=wangyuanbin>  http://localhost:8080/api/TicketOrder?useTimeStart=2018-04-03 00:00:00&useTimeEnd=2018-04-09 00:00:00 |
| 输出 | {  "id": 25,  "userId": "wangyuanbin",  "orderSn": "20180331105013505",  "specName": "15kg",  "ticketIdx": 33,  "price": 200,  "expStartDate": "2018-03-05 00:00:00",  "expEndDate": "2018-05-05 00:00:00",  "useTime": null,  "note": "ddd",  "createTime": "2018-04-06 11:22:45",  "updateTime": "2018-04-06 11:22:45"  } |

## 气票消费信息增加

|  |  |
| --- | --- |
|  | 气票消费信息增加 |
| 输入 | 输入地址：  <http://localhost:8080/api/TicketOrder>  Method：POST    {  "userId": "wangyuanbin",  "orderSn": "20180331105013505",  "ticketIdx": 32,  "note": "ddd",  "createTime": "2018-04-06 11:22:45",  "updateTime": "2018-04-06 11:22:45"  } |
| 输出 | 201 |

## 气票消费信息删除

|  |  |
| --- | --- |
|  | 气票消费信息删除 |
| 输入 | 输入地址：  http://localhost:8080/api/TicketOrder/31  Method：DELETE |
|  | 204 No Content |

# 优惠券

## 优惠券查询

|  |  |
| --- | --- |
|  | 优惠券查询 |
| 输入 | 输入地址：  [http://localhost:8080/api/Coupon](http://localhost:8080/api/Ticket)  Method：GET |
| 输出 | {  "id": 39,  "customer":{"id": 6, "userId": "qpkh", "name": "qpkh", "identity": "622201197812141818",…},  "specCode": "004",  "specName": "20公斤",  "price": 10,  "operator":{"id": 2, "userId": "dianzhang", "name": "dianzhang", "identity": "dianzhang",…},  "couponStatus":{  "name": "待使用",  "index": 0  },  "startDate": "2018-04-11 00:00:00",  "endDate": "2018-05-10 00:00:00",  "useTime": null,  "note": "",  "createTime": "2018-04-10 11:28:31",  "updateTime": "2018-04-10 11:28:31"  } |

## 优惠券信息增加

|  |  |
| --- | --- |
|  | 优惠券信息增加 |
| 输入 | 输入地址：  [http://localhost:8080/api/Coupon](http://localhost:8080/api/Ticket)  Method：POST  {  "customer":{ "userId": "qpkh"},  "specCode":"004",  "price": 200,  "operator":{ "userId": "dianzhang"},  "startDate": "2018-04-15 00:00:00",  "endDate": "2018-05-10 00:00:00"  } |
| 输出 | 201 |

## 优惠券信息修改

|  |  |
| --- | --- |
|  | 优惠券信息修改 |
| 输入 | 输入地址：  http://localhost:8080/api/Coupon/39  Method：PUT  {  "price": 20,  "couponStatus":"0",  "startDate": "2018-05-010 00:00:00",  "endDate": "2018-07-05 00:00:00",  "useTime": "2018-06-20 00:00:00",  "note": " fff "  } |
| 输出 | 200 |

## 优惠券信息删除

|  |  |
| --- | --- |
|  | 优惠券删除 |
| 输入 | 输入地址：  http://localhost:8080/api/Coupon/38  Method：DELETE |
|  | 204 No Content |

## 优惠券消费查询

|  |  |
| --- | --- |
|  | 优惠券费查询 |
| 输入 | 输入地址：  <http://localhost:8080/api/CouponOrder>  Method：GET |
| 输出 | {  "id": 40,  "userId": "qpkh",  "orderSn": "20180409202719803",  "specName": "20公斤液化气",  "couponIdx": 39,  "price": 10,  "expStartDate": "2018-04-11 00:00:00",  "expEndDate": "2018-05-10 00:00:00",  "useTime": null,  "note": "",  "createTime": "2018-04-10 13:38:10",  "updateTime": "2018-04-10 13:38:11"  } |

## 优惠券消费信息增加

|  |  |
| --- | --- |
|  | 优惠券消费信息增加 |
| 输入 | 输入地址：  <http://localhost:8080/api/CouponOrder>  Method：POST    {  "userId": "qpkh",  "orderSn": "20180409202719803",  "couponIdx": 39,  "note": "ddd",  "createTime": "2018-04-06 11:22:45",  "updateTime": "2018-04-06 11:22:45"  } |
| 输出 | 201 |

## 优惠券消费信息删除

|  |  |
| --- | --- |
|  | 优惠券消费信息删除 |
| 输入 | 输入地址：  http://localhost:8080/api/TicketOrder/31  Method：DELETE |
|  | 204 No Content |