**1、获取TOKEN的接口**

**接口地址：**http://120.55.190.222:9090/rest/toController

**返回格式：**json字符串

**请求方式：**POST

**请求参数：{"userName":"您的用户名","password":"您的密码"}**

**请求头：**

名称：Content-Type  值：application/json

**调用示例**：http://120.55.190.222:9090/rest/toController

**返回示例：**

{

"code": "0000",

"msg": "成功",

"success": true,

"token": "eyJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJmYW5jbCIsInN1YiI6ImZhbmNsIiwiaWF0IjoxNTUwODI2NjI4fQ.610ca0Np-OxDRHew0TyJIScqnBAeeUQs9ir6zRXtp\_4"

}

**说明：获取到的TOKEN值有效期为2小时，每使用一次，就会从使用的时间开始延长2小时。**

**2、新增客户**

**接口地址：**http://120.55.190.222:9090/rest/ac01CrmController

**返回格式：**json

**请求方式：**POST

**请求参数：**

{

"aac003": "张三",

"aac004": "1",

"aac011": "21",

"aac030": "13575726577",

"aac01u": "88002255",

"crm003": "1",

"crm004": "1",

"crm00a": "2018-11-11",

"crm00b": "aaaaaa",

"crm00c": "2019-02-28",

"crm00d": "bbbbbb"

}

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**请求参数说明：**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段含义** | **必填** | **代码值** |
| aac003 | 姓名 | **是** | 2-20字符 |
| aac004 | 性别 | 否 | 1.男2.女 |
| aac011 | 文化程度 | 否 | 11.博士研究生14.硕士研究生21.大学本科31.大学专科41.中等专科 |
| aac030 | 手机号码 | **是** | 数字唯一性 |
| aac01u | Qq号 | 否 | 数字 |
| crm003 | 客户分类 | **是** | 1.腾讯课堂3.官网4.淘宝网 |
| crm004 | 客户状态 | **是** | 1.潜在客户2.意向客户9.成交客户 |
| crm00a | 最近跟进时间 | 否 | 格式为：yyyy-MM-dd |
| crm00b | 最近跟进内容 | 否 |  |
| crm00c | 下次跟进日期 | 否 | 格式为：yyyy-MM-dd |
| crm00d | 下次跟进内容 | 否 |  |

**返回示例：**

{

"code": "0000",

"message": "成功",

"success": true,

"obj": {

"aac003": "张三",

"aac004": "1",

"aac011": "21",

"aac01u": "88002255",

"aac030": "13575726577",

"crm003": "1",

"crm004": "1",

"crm00a": "2018-11-11",

"crm00b": "aaaaaaa",

"crm00c": "2019-02-28",

"crm00d": "bbbb",

"id": "15967"

}

}

**3、删除客户**

**接口地址：**http://120.55.190.222:9090/rest/ac01CrmController/{id}

**返回格式：**json

**请求方式：**DELETE

**请求参数：路径后面的{id} 为数据的主键。**

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

请求示例：http://120.55.190.222:9090/rest/ac01CrmController/15967

**返回示例：**

{

"code": "0000",

"message": "成功",

"success": true

}

**4、修改客户**

**接口地址：**http://120.55.190.222:9090/rest/ac01CrmController

**返回格式：**json

**请求方式：**PUT

**请求参数：**

{

"id":"15968",

"aac003": "李四",

"aac004": "1",

"aac011": "21",

"aac030": "13575726588",

"aac01u": "88002255",

"crm003": "1",

"crm004": "1",

"crm00a": "2018-11-11",

"crm00b": "cccccc",

"crm00c": "2019-02-28",

"crm00d": "dddddd"

}

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**返回示例：**

{

"code": "0000",

"message": "成功",

"success": true,

"obj": {

"aac003": "李四",

"aac004": "1",

"aac011": "21",

"aac01u": "88002255",

"aac030": "13575726588",

"crm003": "1",

"crm004": "1",

"crm00a": "2018-11-11",

"crm00b": "cccccc",

"crm00c": "2019-02-28",

"crm00d": "dddddd",

"id": "15968"

}

}

**5、获取唯一客户**

**接口地址：**http://120.55.190.222:9090/rest/ac01CrmController/{id}

**返回格式：**json

**请求方式： GET**

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**请求示例：**

http://120.55.190.222:9090/rest/ac01CrmController/15968

**返回示例：**

{

"code": "0000",

"message": "成功",

"success": true,

"obj": {

"aac003": "李四",

"aac004": "1",

"aac011": "21",

"aac01u": "88002255",

"aac030": "13575726588",

"crm003": "1",

"crm004": "1",

"crm00a": "2018-11-11",

"crm00b": "cccccc",

"crm00c": "2019-02-28",

"crm00d": "dddddd",

"id": "15968"

}

}

**6、获取所有客户**

**接口地址：**http://120.55.190.222:9090/rest/ac01CrmController

**返回格式：**json

**请求方式：**GET

**请求参数：**

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**说明：为了返回结果的可读性，这里限制了只返回最近新增的前50条数据。**

**返回示例：**

{

"code": "0000",

"message": "成功",

"obj": [

{

"aac003": "涂婉丽",

"aac004": "2",

"aac011": "21",

"aac01u": "9104487",

"aac030": "15000022885",

"crm003": "9",

"crm004": "1",

"crm00a": "",

"crm00b": "",

"crm00c": "",

"crm00d": "",

"id": "81008224"

},

{

"aac003": "颜志恒",

"aac004": "1",

"aac011": "21",

"aac01u": "1222704830",

"aac030": "13007084038",

"crm003": "9",

"crm004": "1",

"crm00a": "",

"crm00b": "",

"crm00c": "",

"crm00d": "",

"id": "81025163"

},

{

"aac003": "徐轶凡",

"aac004": "2",

"aac011": "21",

"aac01u": "37495486",

"aac030": "15079109111",

"crm003": "9",

"crm004": "1",

"crm00a": "",

"crm00b": "",

"crm00c": "",

"crm00d": "",

"id": "81008446"

},

{

"aac003": "陈晨",

"aac004": "1",

"aac011": "21",

"aac01u": "592710119",

"aac030": "13332916615",

"crm003": "9",

"crm004": "1",

"crm00a": "",

"crm00b": "",

"crm00c": "",

"crm00d": "",

"id": "81008335"

}

],

"success": true

}

**7、客户跟进新增**

**接口地址：**http://120.55.190.222:9090/rest/cr01Controller

**返回格式：**json

**请求方式：**POST

**请求参数：**

{

"aac001": "81008335",

"bcr011": "1",

"bcr013": "这里是根据内容",

"bcr015": "这里是下次联系内容",

"bcr014": "2018-01-02"

}

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**请求参数说明：**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段名称** | **字段含义** | **必填** | **代码值** |
| aac001 | 客户ID | **是** |  |
| bcr011 | 跟进方式 | **是** | 1.电话2.在线沟通3.邮件、短信 |
| bcr013 | 跟进内容 | **是** |  |
| bcr014 | 下次跟进日期 | 否 |  |
| bcr015 | 下次跟进内容 | 否 |  |

**返回示例：**

{

"code": "0000",

"success": true,

"message": "成功",

"obj": {

"aac001": "81008335",

"bcr011": "1",

"bcr013": "这里是根据内容",

"bcr014": "2018-01-02",

"bcr015": "这里是下次联系内容",

"id": "8a4b8f0b692d94e701692d9562ef0001"

}

}

**3、删除客户跟进**

**接口地址：**http://120.55.190.222:9090/rest/cr01Controller/{id}

**返回格式：**json

**请求方式：**DELETE

**请求参数：路径后面的{id} 为数据的主键。**

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

请求示例：http://120.55.190.222:9090/rest/ac01CrmController/8a4b8f0b692d94e701692d9562ef0001

**返回示例：**

{

"code": "0000",

"message": "成功",

"success": true

}

**4、修改客户跟进**

**接口地址：**http://120.55.190.222:9090/rest/cr01Controller

**返回格式：**json

**请求方式：**PUT

**请求参数：**

{

"id":"8a4b8f0b692d94e701692d9562ef0001",

"aac001": "81008335",

"bcr011": "1",

"bcr013": "这里是根据内容AAAAAA",

"bcr015": "这里是下次联系内容BBBBBBB",

"bcr014": "2018-01-02"

}

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**返回示例：**

{

"code": "0000",

"message": "成功",

"obj": {

"aac001": "81008335",

"bcr011": "1",

"bcr013": "这里是根据内容AAAAAA",

"bcr014": "2018-01-02",

"bcr015": "这里是下次联系内容BBBBBBB",

"id": "8a4b8f0b692d94e701692d9562ef0001"

},

"success": true

}

**5、获取唯一跟进信息**

**接口地址：**http://120.55.190.222:9090/rest/cr01Controller/{id}

**返回格式：**json

**请求方式： GET**

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**请求示例：**

http://120.55.190.222:9090/rest/ac01CrmController/8a4b8f0b692d94e701692d9562ef0001

**返回示例：**

{

"code": "0000",

"message": "成功",

"obj": {

"aac001": "81008335",

"bcr011": "1",

"bcr013": "这里是根据内容AAAAAA",

"bcr014": "2018-01-02",

"bcr015": "这里是下次联系内容BBBBBBB",

"id": "8a4b8f0b692d94e701692d9562ef0001"

},

"success": true

}

**6、获取所有跟进信息**

**接口地址：**http://120.55.190.222:9090/rest/cr01Controller

**返回格式：**json

**请求方式：**GET

**请求参数：**

**请求头1：**

名称：X-AUTH-TOKEN  值：通过获取Token 接口获取到的值

**请求头2：**

名称：Content-Type  值：application/json

**说明：为了返回结果的可读性，这里限制了只返回最近新增的前50条数据。**

**返回示例：**

{

"code": "0000",

"message": "成功",

"obj": [{

"aac001": "00000520",

"bcr011": "1",

"bcr013": "sdf",

"bcr014": "2018-09-29",

"bcr015": "sd",

"id": "75d27676a1e32aa9746946d21d0b396e"

}, {

"aac001": "00000523",

"bcr011": "1",

"bcr013": "dsf",

"bcr014": "2018-09-29",

"bcr015": "sdf",

"id": "260efad72c76a853ac60cc7aebfb5998"

}, {

"aac001": "00015922",

"bcr011": "1",

"bcr013": "sasassas111111111111111111111111111",

"bcr014": "2018-09-05",

"bcr015": "assasas",

"id": "e26fbd0dea99218d6440636d7ab12e8b"

}, {

"aac001": "00015922",

"bcr011": "1",

"bcr013": "sssss",

"bcr014": "",

"bcr015": "",

"id": "da6e067fe002300013b2756d0e69d2df"

}],

"success": true

}

**17、错误码参照**

**错误码说明**

0000   成功

    0001   查询成功无记录

    0002   查询失败

    1001   请求的接口不存在

    1002   没有该接口的访问权限

    1004   参数为空或格式错误

    1005   数据签名错误

    1010   余额不够，无法进行查询

    1011   查询权限已被限制

    1000   用户名或密码错误

    1021   用户名为空

    1022   密码为空

    1023   账户不存在或被禁用

    1030   连接REDIS服务器超时或REDIS密码错误

    1040   TOKEN值为空

1041   无效的TOKEN

    1042   TOKEN认证失败，用户名不对

    1043   TOKEN已过期

    1088   业务逻辑错误（含具体内容，如手机号码错误，学历代码错误等）

    1099   非法IP请求

    9999   系统异常

**注意事项：**

**1、一定要选对请求方式**

**2、一定要记得添加请求头：Content-Type**

**3、除调用获取TOKEN认证接口外，一定要记得添加请求头：X-AUTH-TOKEN**

**4、POST方式请求参数均为JSON字符串格式**

**5、返回结果均为JSON字符串格式**

**6、留意X-AUTH-TOKEN的有效期，过期后请重新获取。**