# 餐贴次数接口文档

## 1、需求描述

GAIA考勤系统每个月将餐补次数传输给餐费系统

## 2、接口描述

接口频率：一月一次，全量

人员范围：1、当月之前入职但没有离职；2、当月之前入职当月离职；3、当月入职；

数据范围：传当月和上个月的餐补次数

### 2.1 接口方式

#### 2.1.1请求方式

接口类型：restful api，post方式

测试环境地址：

http://dzkf2021070001.idea-source.net/api/AttendanceUpdate/SubsidyOpeRation

生产环境地址：

#### 2.1.2接口字段

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **参数字段** | **参数类型** | **参数长度** | **必传** | **描述** |
| DateTime | string | 20 | Y | 月份 |
| Sign | string |  | Y | 签名 |
| UserList |  |  |  | 人员合集 |

UserList

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **参数字段** | **参数类型** | **参数长度** | **必传** | **描述** |
| JobNumber | string | 20 | Y | 员工工号 |
| SubsidyCount | Int |  | Y | 餐补次数 |
| Name | string |  |  | 名称 |
| RecordList |  |  |  | 考勤数据 |

RecordList

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数字段 | 参数类型 | 参数长度 | 必传 | 描述 |
| Time | string | 20 | Y | //时间 |
| SubsidyCount | string |  | Y | //班次 0 白班 1 夜班 |
| IsOverTime |  |  | Y | //加班 0 没有加班 1 加班 |

例

{

    "DateTime": "2021-11", //月份

    "Sign": "EDAE55FBC4F404C3F9A58D4CB2381A5D", //签名

    "UserList": [//人员集合

        {

            "JobNumber": "a123456", //员工工号

            "SubsidyCount": 5, //餐补次数

            "Name": "张三", //名称

            "RecordList": [ //考勤数据

                {

                    "Time": "2021-11-01", //时间

                    "SubsidyCount": 0,//班次 0 白班 1 夜班

                    "IsOverTime": 1  //加班 0 没有加班 1 加班

                },

                {

                    "Time": "2021-11-02",

                    "SubsidyCount": 0,

                    "IsOverTime": 1

                },

                {

                    "Time": "2021-11-03",

                    "SubsidyCount": 1,

                    "IsOverTime": 1

                },

                {

                    "Time": "2021-11-04",

                    "SubsidyCount": 0,

                    "IsOverTime": 0

                }

            ]

        },

        {

            "JobNumber": "a123457",

            "SubsidyCount": 20,

            "Name": "李四",

            "RecordList": [

                {

                    "Time": "2021-11-01",

                    "SubsidyCount": 0,

                    "IsOverTime": 1

                },

                {

                    "Time": "2021-11-06",

                    "SubsidyCount": 0,

                    "IsOverTime": 1

                },

                {

                    "Time": "2021-11-07",

                    "SubsidyCount": 1,

                    "IsOverTime": 1

                },

                {

                    "Time": "2021-11-08",

                    "SubsidyCount": 0,

                    "IsOverTime": 0

                }

            ]

        }

    ]

}

#### 2.1.3接口返回值

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **参数字段** | **参数类型** | **参数长度** | **必传** | **描述** |
| errcode | Int |  |  | 返回码 |
| Errmsg | string |  |  | 错误描述 |

|  |  |
| --- | --- |
| **常见返回码** | **描述** |
| 0 | 请求成功 |
| -1 | 系统错误 |

### 2.2 签名

将请求参数去除参数Sign，增加参数Appkey（Appkey的值文档已给出，参数名区分大小写），按照参数名ASCII码从小到大排序（字典序），使用URL键值对的格式（即key1=value1&key2=value2…）
拼接成字符串stringA，并对stringA进行32位大写MD5加密，得到sign值

#### 2.2.1 签名第一步

#### 2.2.2 签名第二步

去除参数Sign，增加参数Appkey，得到参数如下：

 "DateTime": "2021-11",

            "AppKey": "X2dcw0MDVzQIWSlusOUPjw2YxAcDOJqk",

            "UserList": "[{\"JobNumber\":\"a123456\",\"SubsidyCount\":5,\"Name\":\"张三\",\"RecordList\":[{\"Time\":\"2021-11-01\",\"SubsidyCount\":0,\"IsOverTime\":1},{\"Time\":\"2021-11-02\",\"SubsidyCount\":0,\"IsOverTime\":1},{\"Time\":\"2021-11-03\",\"SubsidyCount\":1,\"IsOverTime\":1},{\"Time\":\"2021-11-04\",\"SubsidyCount\":0,\"IsOverTime\":0}]},{\"JobNumber\":\"a123457\",\"SubsidyCount\":20,\"Name\":\"李四\",\"RecordList\":[{\"Time\":\"2021-11-01\",\"SubsidyCount\":0,\"IsOverTime\":1},{\"Time\":\"2021-11-06\",\"SubsidyCount\":0,\"IsOverTime\":1},{\"Time\":\"2021-11-07\",\"SubsidyCount\":1,\"IsOverTime\":1},{\"Time\":\"2021-11-08\",\"SubsidyCount\":0,\"IsOverTime\":0}]}]"

#### 2.2.3 签名第三步

按照参数名ASCII码从小到大排序（字典序），使用URL键值对的格式（即key1=value1&key2=value2…）拼接成字符串stringA
RecordList 转为 json

#### 2.2.4 签名第四步

对stringA进行32位大写MD5加密，得到sign值如下：
EDAE55FBC4F404C3F9A58D4CB2381A5D

### 2.3 Appkey X2dcw0MDVzQIWSlusOUPjw2YxAcDOJqk