GatCoin 前后端接口文档

1. Student 操作

服务器数据库集合Student形式

```
{
    "_id" : ObjectId("5146bb52d8524270060001f3"),
    "openid": "xxxxxxxxxxxxxxxx",
    "stuId": "1500012758",
    "stuName":"xxxx"
}
```

接口

1. 完善信息

前端:

```
url : /student/complete
method: post

字段:
openid
stuId —— 学生填写的学号 (String),可以复用我在util.js里写的islegal () 函数判断是否合法
stuName —— 学生填写的姓名
```

后端:

```
response_code : 0|1
```

2. 查看信息(学号和姓名)

前端:

```
URL : /student/personalinfo
post
openid
```

后端:

```
{
    "response_code" : 0
}

{
    "response_code": 1,
    "_id" : ObjectId("5146bb52d8524270060001f3"),
    "openid": "xxxxxxxxxxxxxxxxx",
    "stuId": "1500012758",
    "stuName":"xxxx"
}
```

3. 登录

前端:

```
URL:/student/login
post
code
```

后端:

```
{
    "openid ":" " ,
    "exist":0|1
}
```

4. 查看签到(返回的是签到记录列表)

前端:

url: /student/registerinfo

post

字段:

openid

后端:

```
{
    "response_code":0
}

{
    "response_code":1,
    [{
        "registerId": 123 ,        "stuName":"zzy",
        "openid":"asdasdads",      "stuId":"1111",
        "courseId":1221,           "courseName":"ICS",
        "timestamp":..             "timestamp":
    },
    {
        "registerId": 124 ,
        "openid":"asdads",
        "courseId":1223,
        "timestamp":..
    },
    ...
    ]
}
```

5. 签到

前端:

URL:/student/register

post

字段:

openid

courseId

timestamp（签到的时间)

begin_timestamp(二维码生成时间)

后端:

```
response_code
    -2 ：学生不存在
    -1 ：课程不存在
    0  ：  迟到
    1  ：  成功
```

2. Teacher操作

服务器数据库集合Teacher形式

```
{
    "_id": ObjectId("2121431313131131313113313"),
    "teacherId":"213131",
    "password":"admin",
    "teacherName":"边凯归",
    "courses":[
        "Computer Networks",
        "ICS"
    ]
}
```

1. 教师登录

   前端:

   URL:/teacher/login

   post

   字段:

   teacherId

   password(别加密)

   后端

   ```
   response_code : 0|1
   ```

2. 查看教师信息

   前端: /teacher/info

   post

   字段:

   teacherId

   后端:

查看所教授的所有课程以及对应的 courseId

前端URL: /teacher/courseInfo, POST 传teacherId

后端返回:
{"response_code":0}
或
{"response_code":1,
    [
        {
            "courseId":    ,
            "courseName":
        },
        {
        },
        ......
    ]
}

```
{
    "response_code":1,
    "_id": ObjectId("2121431313131131313113313"),
    "teacherId":"213131",
    "password":"admin",
    "teacherName":"边凯归",
    "courses":[
        "Computer Networks",
        "ICS"
    ]
}

{
    "response_code":0
}
```

3. 修改密码

前端:

URL:/teacher/resetPassword

post

字段:

teacherId

new_password

old_password

后端:

```
{
    "response_code":-1（老师不存在）1（成功）0（密码不正确）
}
```

4. 添加课程

前端:

URL:/teacher/addCourse

post

字段

teacherId

course_name

后端:

```
{
    "response_code": -1(老师不存在) 0(课程已经存在) 1（成功）
}
```

5. 删除课程

前端：

URL:/teacher/delCourse

post

字段

teacherId

courseId

后端：response_code :0 |1

6. 查看课程签到记录

前端：

URL:/teacher/registerList

post

字段

course_id

后端：

```
{
    "response_code" :1,
    [{
        "stuName":"ycx",
        "stuID":"1222333",
        "courseName":"ICS",
        "timestamp":"xxx-xx-xx"
    },
    {
        "stuName":"ycx",
        "stuID":"1222333",
        "courseName":"ICS",
        "timestamp":"xxx-xx-xx"
    },
    {
        "stuName":"ycx",
        "stuID":"1222333",
        "courseName":"ICS",
        "timestamp":"xxx-xx-xx"
    },
    ....
    ]
```

```
        }
```

3. 签到记录操作

  服务器数据库集合Register形式

```
{
    "_id": ObjectId("123478178947891478947118744"),
    "registerId":12331,
    "openid":"xxxxxxxx",
    "courseId":1212,
    "timestamp":"xxx-xx-xx"
}
```

4. 课程集合Courses

  服务器数据库集合Courses形式

```
{
    "_id":ObjectId("1212212313313313331313331"),
    "courseName": "Computer Networks",
    "courseId": 001,
    "teacherId": "233131"
}
```