**开放接口说明文档**

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# 修订历史

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **版本号** | **修改内容** | **修改者** | **提交时间** | **审阅者** |
| V1.0 | 制定规范格式 | Knight | 2017-10-31 |  |
|  |  |  |  |  |
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# 通用与约定说明

1. 采用二级域名+uri方式，比如： http://api.sysstudio.com/
2. API基于HTTP方式，获取数据采用GET，其他操作采用POST
3. 返回数据采用JSON格式，示意如下：

{

errcode:'7001',

errmsg:'',

content:'[{fdsafd},...]'

}

1. 外部调用采用OAuth2 JWT认证方式
2. 时间格式：yyyy-MM-dd hh:mm:ss.fff
3. app\_id，appsecret示列
   1. appid: ac98ja829xkn124x
   2. appsecret: 97d97ca66ae3e09d800de9466aa52c4a
4. 请求格式为Content-type：application/json。（有特殊除外，比如上传接口）

# 状态码说明

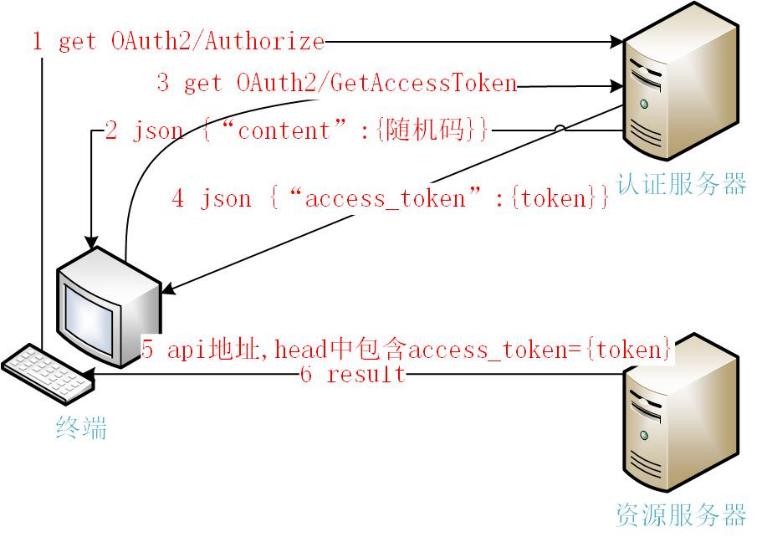
|  |  |
| --- | --- |
| **状态吗** | **说明** |
| 7000 | 请求失败 |
| 7001 | 请求成功 |
|  |  |
|  |  |

# OAuth2.0

1. OAuth2.0的认证原理请参考其他文档。

略

1. 安全性采用OAuth2.0的认证形式(认证过程)。



1. 各渠道的应用appid值(这里是内部系统所以没有采用在线申请，而是直接开通)：

|  |  |  |
| --- | --- | --- |
| **平台** | **app\_id** | **appsecret** |
| 微信 | ac98ja829xkn124x | 97d97ca66ae3e09d800de9466aa52c4a |
|  |  |  |

1. 传递JWT方法：

我们所有对外接口都采用https方式，调用端需要将获取到的token放入到HTTP Header中:

Authorization: appid={appid},token={token}

1. 获取Token

|  |  |
| --- | --- |
| 名称 | 获取token |
| 地址 | /api/base/authenticate/{ appid } /{ appsecret } |
| 类型 | POST |
| 请求 | {  } |
| 返回 | token |
| 备注 |  |

# 接口说明

## 5.1接口清单

|  |  |  |
| --- | --- | --- |
| **编号** | **接口名字** | **接口说明** |
| 5.2.1 | 获取第三方访问Token | 获取第三方平台访问接口的Token |
| 5.2.2 | 获取地址集合信息 | 根据父级区域ID获取子区域集合 |
| 5.2.3 | 文件上传 | 上传文件保存至服务器 |
| 5.2.4 | 手机获取验证码 | 用户注册和登录时获取验证码 |
| 5.2.5 | 用户注册 | APP端用户进行注册 |
| 5.2.6 | 用户登录 | APP用户进行登录 |
| 5.2.7 | 用户自动登录 | 微信用户自动登录 |
| 5.2.8 | 查询用户信息详情 | 查询当前用户的详细信息 |
| 5.2.9 | 查询用户积分详情 | 查询当前用户的积分明细 |
| 5.2.10 | 查询用户业务套餐信息 | 查询当前用户的业务套餐信息和续费记录 |
| 5.2.11 | 查询系统业务套餐信息 | 查询系统业务套餐信息 |
| 5.2.12 | 提交用户业务套餐办理信息 | 提交用户业务办理和续费信息 |
| 5.2.13 | 更新用户业务套餐办理信息 | 更新用户业务办理和支付的状态 |
| 5.2.14 | 查询用户收藏记录 | 查询用户收藏记录 |
| 5.2.15 | 提交用户收藏信息 | 提交用户收藏信息（收藏/取消收藏） |
| 5.2.16 | 查询用户消息记录 | 查询用户消息记录 |
| 5.2.17 | 更新用户消息记录 | 更新用户消息记录 |
| 5.2.18 | 查询广告信息 | 查询首页和子栏目的滚动广告 |
| 5.2.19 | 查询内容信息 | “关于我们”“操作指引”“阅读”等信息 |
| 5.2.20 | 查询待完成/未完成的测试试卷 | 查询当前用户的待完成的测试记录 |
| 5.2.21 | 查询试卷的详细信息和题目信息 | 查询试卷的详细信息和题目信息 |
| 5.2.22 | 查询已完成的测试记录和结果 | 查询当前用户的已完成的测试记录和结果 |
| 5.2.23 | 查询已完成试卷的详细题目和结果 | 查询当前用户的已完成的试卷的题目和结果 |
| 5.2.24 | 提交试卷测试答案 | 提交用户试卷的所有题目的答案 |
| 5.2.25 | 查询用户错题记录 | 查询当前历史错题记录 |
| 5.2.26 | 生成用户练习试卷 | 生成用户练习试卷 |
| 5.2.27 | 提交练习测试答案 | 提交用户练习的所有题目的答案 |
| 5.2.28 | 查询用户练习记录和结果 | 查询当前用户所有的练习记录和结果 |
| 5.2.29 | 查询用户练习的详细题目和结果 | 查询当前用户的练习的详细题目和结果 |
| 5.2.30 | 查询用户历史测试成绩曲线 | 查询用户历史测试成绩曲线 |
| 5.2.31 | 查询用户历史练习成绩曲线 | 查询用户历史练习成绩曲线 |

## 5.2接口说明

### 5.2.1获取第三方访问Token

|  |  |
| --- | --- |
| 地址 | http://域名/base/ authenticate/{appid}/{appsecret} |
| 类型 | GET |
| 请求 | {} |
| 返回 | Token |
| 备注 | Token= response.data |

### 5.2.2获取地址集合信息

|  |  |
| --- | --- |
| 地址 | http://域名/base/getaddress ?parentid={父ID} |
| 类型 | GET |
| 请求 | {} |
| 返回 | [  {  "text": "北京市",  "value": "8199"  },  {  "text": "辽宁省",  "value": "8700"  }  ] |
| 备注 | 省份的parentid=51 |

### 5.2.3 文件上传

|  |  |
| --- | --- |
| 地址 | http://域名/base/upload/{relmodule}/{relobject} |
| 类型 | POST |
| 请求 | {}  请求类型为multipart/form-data。内容为文件 |
| 返回 | {Files} |
| 备注 | 返回多文件列表 |

### 5.2.4 手机获取验证码

|  |  |
| --- | --- |
| 地址 | http://域名/base/getverifycode |
| 类型 | GET |
| 请求 | {  method:'login/register',  mobile:'手机号码'  } |
| 返回 | {  "errcode": "7001",  "errmsg": "错误信息",  "content": ""  } |
| 备注 |  |

### 5.2.5 用户注册

|  |  |
| --- | --- |
| 地址 | http://域名/user/register |
| 类型 | POST |
| 请求 | {  "mobile": "手机号码",  "verifycode": "验证码",  "password": "密码",  "openid": "微信OpenID"  } |
| 返回 | {  "errcode": "7001",  "errmsg": "错误信息",  "content": "用户ID"  } |
| 备注 | errmsg返回所有错误信息 |

### 5.2.6 用户登录

|  |  |
| --- | --- |
| 地址 | http://域名/user/login |
| 类型 | POST |
| 请求 | {  "mobile": "手机号码",  "verifycode": "验证码",  "password": "密码",  "openid": "微信OpenID"  } |
| 返回 | {  "errcode": "7001",  "errmsg": "错误信息",  "content": "用户ID"  } |
| 备注 | errmsg返回所有错误信息 |

### 5.2.7 用户自动登录

|  |  |
| --- | --- |
| 地址 | http://域名/user/autologin |
| 类型 | POST |
| 请求 | {  "userid": "用户ID",  "openid": "微信OpenID"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "userid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "usertype": "02",  "userlevel": 1,  "account": "18012627759",  "password": "e5aj1aKw4K1FwubejgTbRA==",  "mail": null,  "mobile": "18012627759",  "wallet": 0,  "points": 400,  "username": "18012627759",  "nickname": null,  "gender": null,  "headportrait": null,  "telephone": null,  "wechat": null,  "openid": "",  "qqnumber": null,  "blog": null,  "provinceid": null,  "provincename": null,  "cityid": null,  "cityname": null,  "countyid": null,  "countyname": null,  "homeaddress": null,  "zipcode": null,  "birthday": null,  "married": null,  "profession": null,  "idnumber": null,  "orgid": null,  "orgname": null,  "question": "",  "anwser": "",  "remark": null,  "status": null,  "property1": "",  "property2": "",  "property3": "",  "property4": "",  "property5": "",  "createtime": "2017-08-21 15:24:05",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "本人",  "modifytime": "2017-08-21 15:24:05",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "本人"  }  } |
| 备注 |  |

### 5.2.8 查询用户信息详情

|  |  |
| --- | --- |
| 地址 | http://域名/user/getbyid |
| 类型 | POST |
| 请求 | {  "userid": "用户ID",  "openid": "微信OpenID"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "userid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "usertype": "02",  "userlevel": 1,  "account": "18012627759",  "password": "e5aj1aKw4K1FwubejgTbRA==",  "mail": null,  "mobile": "18012627759",  "wallet": 0,  "points": 400,  "username": "18012627759",  "nickname": null,  "gender": null,  "headportrait": null,  "telephone": null,  "wechat": null,  "openid": "",  "qqnumber": null,  "blog": null,  "provinceid": null,  "provincename": null,  "cityid": null,  "cityname": null,  "countyid": null,  "countyname": null,  "homeaddress": null,  "zipcode": null,  "birthday": null,  "married": null,  "profession": null,  "idnumber": null,  "orgid": null,  "orgname": null,  "question": "",  "anwser": "",  "remark": null,  "status": null,  "property1": "",  "property2": "",  "property3": "",  "property4": "",  "property5": "",  "createtime": "2017-08-21 15:24:05",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "本人",  "modifytime": "2017-08-21 15:24:05",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "本人"  }  } |
| 备注 |  |

### 5.2.9 查询用户积分详情

|  |  |
| --- | --- |
| 地址 | http://域名/user/pointlist |
| 类型 | POST |
| 请求 | {  "pageindex": 1,  "pagesize": 10,  "order": "a.createtime desc",  "userid": "用户ID"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "sEcho": null,  "iTotalRecords": 8,  "iTotalDisplayRecords": 8,  "aaData": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "userid": null,  "opertype": 1,  "opernum": 50,  "prepoints": 50,  "latpoints": 100,  "operdesc": "用户每日签到！",  "status": 1,  "createtime": "2017-08-24 16:30:48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "18012627759",  "modifytime": "2017-08-24 16:30:48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "18012627759",  "PageIndex": null,  "PageSize": null,  "Paging": null,  "Top": null,  "Order": null,  "Group": null,  "Echo": null,  "LanguageKey": null,  "PagingQueryType": null  }  ]  }  } |
| 备注 |  |

### 5.2.10查询用户业务套餐信息

|  |  |
| --- | --- |
| 地址 | http://域名/user/usertariff |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "curtariffid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "curtariffname": "VIP套餐（一年）",  "startdate": "2016-5-1",  "enddate": "2017-5-2",  "traderecords": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "tradeno": "28012012120102112",  "tariffname": "VIP套餐（一年）",  "tradetime": "2016-4-30 12:00",  "startdate": "2016-5-1",  "enddate": "2017-5-2",  "tradetype": "01",  "tradeprice": 99,  "status": 1,  "createtime": "2017-08-24 16:30:48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "18012627759",  "modifytime": "2017-08-24 16:30:48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "18012627759"  }  ]  }  } |
| 备注 |  |

### 5.2.11查询系统业务套餐信息

|  |  |
| --- | --- |
| 地址 | http://域名/tariff/getlist |
| 类型 | GET |
| 请求 | {  "status": "1" //1:有效  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "tariffname": "VIP套餐（一年）",  "vailddays": 365,  "primeprice": 150,  "discountprice": 99,  "latpoints": 100,  "tariffdesc": "说明",  "status": 1,  "createtime": "2017-08-24 16:30:48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "18012627759",  "modifytime": "2017-08-24 16:30:48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "18012627759"  }  ]  } |
| 备注 |  |

### 5.2.12提交用户业务套餐办理信息

|  |  |
| --- | --- |
| 地址 | http://域名/tariff/updatetrade |
| 类型 | POST |
| 请求 | {  "tradeno": "28012012120102112",  "tariffname": "VIP套餐（一年）",  "tradetime": "2016-4-30 12:00",  "startdate": "2016-5-1",  "enddate": "2017-5-2",  "tradetype": "01",  "tradeprice": 99,  "status": 0, //0: 待支付1: 支付完成-1: 已取消  "userid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "username": "knight"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": "" |
| 备注 |  |

### 5.2.13更新用户业务套餐办理信息

|  |  |
| --- | --- |
| 地址 | http://域名/tariff/submittariff |
| 类型 | POST |
| 请求 | {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "tradeno": "28012012120102112",  "tariffname": "VIP套餐（一年）",  "tradetime": "2016-4-30 12:00",  "startdate": "2016-5-1",  "enddate": "2017-5-2",  "tradetype": "01",  "tradeprice": 99,  "status": 1, //0: 待支付1: 支付完成-1: 已取消  "userid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "username": "knight"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": "" |
| 备注 |  |

### 5.2.14查询用户收藏记录

|  |  |
| --- | --- |
| 地址 | http://域名/user/collectlist |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "subjectid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "subjectname": "XXXXXXXXXXXXXXXXXXXXXXXX",  "categorycode": "01",  "categoryname": "雅思",  "projectcode": "01",  "projectname": "基础词汇",  "levelcode": "01",  "levelname": "等级一"  }  ]  } |
| 备注 |  |

### 5.2.15提交用户收藏信息

|  |  |
| --- | --- |
| 地址 | http://域名/user/collect |
| 类型 | POST |
| 请求 | {  "method": "01/02", //01：新增 02：取消  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": "" |
| 备注 |  |

### 5.2.16查询用户消息记录

|  |  |
| --- | --- |
| 地址 | http://域名/user/messagelist |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "messagetitle": "XXXXXXXXXXXXXXXXXXXXXXXX",  "messagedesc": "XXXXXXXXXXXXXXXXXXXXXXXX",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight"  }  ]  } |
| 备注 |  |

### 5.2.17更新用户消息记录

|  |  |
| --- | --- |
| 地址 | http://域名/user/updatemessage |
| 类型 | POST |
| 请求 | {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "operatetype":"00/01" //00:删除 01:已读  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": "" |
| 备注 |  |

### 5.2.18查询广告信息

|  |  |
| --- | --- |
| 地址 | http://域名/ad/adlist |
| 类型 | GET |
| 请求 | {  "pointid": "28f47ad2-88a8-11e7-9349-507b9de727e3"  }  Pointid：广告锚点，固定值 |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "adid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "adname": "五一活动广告",  "resourceurl": "http://ad/image/201704251353435376.jpg",  "httplink": "http://www.htgd.com.cn",  "adddesc": "暂无",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight"  }  ]  } |
| 备注 |  |

### 5.2.19查询内容信息

|  |  |
| --- | --- |
| 地址 | http://域名/cms/cmslist |
| 类型 | GET |
| 请求 | {  "categorycode": "aboutus",  "status": 1  }  categorycode：分类，固定值 |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "contentid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "contenttitle": "关于我们",  "summary": "老苏州最爱吃的这些小菜，每一道都沁人心脾",  "imageurl": "http://ad/image/201704251353435376.jpg",  "description": "老苏州最爱吃的这些小菜，每一道都沁人心脾",  "isdisplayinhome": "http://www.htgd.com.cn",  "effectdate": "2017-12-31",  "expiredate": "2017-12-31",  "sort": "1",  "hits": "1000",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight"  }  ]  } |
| 备注 |  |

### 5.2.20查询待完成/未完成的测试试卷

|  |  |
| --- | --- |
| 地址 | http://域名/exam/examlist |
| 类型 | GET |
| 请求 | {  "examtype": "01/02/03", //01:待完成 02:已完成 03:未完成  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "projectcode": "yasi/tuofu",  "categorycode": "cihui/yufa/duanyu",  "itemcode": "ci",  "subitemcode": "danci",  "pageindex": 1,  "pagesize": 10,  "order": "name desc"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "sEcho": null,  "iTotalRecords": 8,  "iTotalDisplayRecords": 8,  "aaData": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "examcode": "20170901110",  "examname": "第339期测试：XXXXXXXXXXXXXXXXXXXX",  "projectcode": "Yasi",  "projectname": "雅思",  "categorycode": "cihui",  "categoryname": "词汇",  "itemcode": "ci",  "itemname": "词",  "subitemcode": "mingci",  "subitemname": "名词",  "subjectnum": "50",  "totalscore": "100",  "totalminute": "45",  "remark": "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight"  }  ]  }  } |
| 备注 |  |

### 5.2.21查询试卷的详细信息和题目信息

|  |  |
| --- | --- |
| 地址 | http://域名/exam/examdetail |
| 类型 | GET |
| 请求 | {  "examid": "28f47ad2-88a8-11e7-9349-507b9de727e3"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "examinfo": {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "examcode": "20170901110",  "examname": "第339期测试：XXXXXXXXXXXXXXXXXXXX",  "projectcode": "Yasi",  "projectname": "雅思",  "categorycode": "cihui",  "categoryname": "词汇",  "itemcode": "ci",  "itemname": "词",  "subitemcode": "mingci",  "subitemname": "名词",  "subjectnum": "50",  "totalscore": "100",  "totalminute": "45",  "remark": "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight",  "subjectinfo": [  {  "subjecttypecode": "01",  "subjecttypename": "选择题",  "subjectcode": "20121212",  "subjectname": "第1题：XXXXXXXXXXXXXXXXXXXX",  "subjectpic": "",  "subjectchinese": "",  "subjectaudio": "",  "subjectscore": "2",  "answercode": "A",  "answeranalysis": "XXXXXXXXXXXXXXXXXXXX",  "remark": "XXXXXXXXXXXXXXXXXXXX",  "optioninfo": [  {  "optioncode": "A",  "optioncontent": "Studying",  "optionpic": "",  "iscorrect": 1  },  {  "optioncode": "B",  "optioncontent": "be study",  "optionpic": "",  "iscorrect": 0  }  ]  }  ]  }  } |
| 备注 |  |

### 5.2.22查询已完成的测试记录和结果

|  |  |
| --- | --- |
| 地址 | http://域名/exam/completedexam |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "projectcode": "yasi/tuofu",  "categorycode": "cihui/yufa/duanyu",  "itemcode": "ci",  "subitemcode": "danci",  "pageindex": 1,  "pagesize": 10,  "order": "name desc"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "sEcho": null,  "iTotalRecords": 8,  "iTotalDisplayRecords": 8,  "aaData": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "examcode": "20170901110",  "examname": "第339期测试：XXXXXXXXXXXXXXXXXXXX",  "projectcode": "Yasi",  "projectname": "雅思",  "categorycode": "cihui",  "categoryname": "词汇",  "itemcode": "ci",  "itemname": "词",  "subitemcode": "mingci",  "subitemname": "名词",  "subjectnum": "50",  "totalscore": "100",  "totalminute": "45",  "remark": "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight",  "resultinfo": {  "totalscore": "98",  "answertime": "2017-08-2416: 30: 48",  "revisestatus": 1, //1：已订正  "revisescore": "98", //订正后的成绩  "revisetime": "2017-08-2416: 30: 48" //订正时间  }  }  ]  }  } |
| 备注 |  |

### 5.2.23查询已完成试卷的详细题目和结果

|  |  |
| --- | --- |
| 地址 | http://域名/exam/examresultdetail |
| 类型 | GET |
| 请求 | {  "examid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "userid": "00247ad2-88a8-11e7-9349-507b9de72223"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "examinfo": {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "examcode": "20170901110",  "examname": "第339期测试：XXXXXXXXXXXXXXXXXXXX",  "projectcode": "Yasi",  "projectname": "雅思",  "categorycode": "cihui",  "categoryname": "词汇",  "itemcode": "ci",  "itemname": "词",  "subitemcode": "mingci",  "subitemname": "名词",  "subjectnum": "50",  "totalscore": "100",  "totalminute": "45",  "remark": "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight",  "resultinfo": {  "totalscore": "98",  "answertime": "2017-08-2416: 30: 48",  "revisestatus": 1,  "revisescore": "98",  "revisetime": "2017-08-2416: 30: 48"  },  "subjectinfo": [  {  "subjectid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "subjecttypecode": "01",  "subjecttypename": "选择题",  "subjectcode": "20121212",  "subjectname": "第1题：XXXXXXXXXXXXXXXXXXXX",  "subjectpic": "",  "subjectchinese": "",  "subjectaudio": "",  "subjectscore": "2",  "answercode": "A",  "answeranalysis": "XXXXXXXXXXXXXXXXXXXX",  "remark": "XXXXXXXXXXXXXXXXXXXX",  "optioninfo": [  {  "optioncode": "A",  "optioncontent": "Studying",  "optionpic": "",  "iscorrect": 1  },  {  "optioncode": "B",  "optioncontent": "be study",  "optionpic": "",  "iscorrect": 0  }  ],  "resultinfo": {  "subjectanswer": "C",  "iscorrect": "0",  "subjectscore": 0,  "revsubjectanswer": "A",  "reviscorrect": 1,  "revsubjectscore": 2  }  }  ]  }  } |
| 备注 |  |

### 5.2.24提交试卷测试答案

|  |  |
| --- | --- |
| 地址 | http://域名/exam/submitexam |
| 类型 | POST |
| 请求 | {  "examid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "userid": "00247ad2-88a8-11e7-9349-507b9de72223",  "answerinfo": [  {  "subjectid": "00247ad2-88a8-11e7-9349-507b9de72223",  "subjectanswer": "A" //单选题  },  {  "subjectid": "10247ad2-88a8-11e7-9349-507b9de72223",  "subjectanswer": "AAA,BBB,CCC,DDD" //填空题  }  ]  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": ""  } |
| 备注 |  |

### 5.2.25查询用户错题记录

|  |  |
| --- | --- |
| 地址 | http://域名/errsubject/errorlist |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "projectcode": "yasi/tuofu",  "categorycode": "cihui/yufa/duanyu",  "itemcode": "ci",  "subitemcode": "danci",  "pageindex": 1,  "pagesize": 10,  "order": "name desc"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "sEcho": null,  "iTotalRecords": 8,  "iTotalDisplayRecords": 8,  "aaData": [  {  "subjectid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "subjecttypecode": "01",  "subjecttypename": "选择题",  "subjectcode": "20121212",  "subjectname": "第1题：XXXXXXXXXXXXXXXXXXXX",  "subjectpic": "",  "subjectchinese": "",  "subjectaudio": "",  "subjectscore": "2",  "answercode": "A",  "answeranalysis": "XXXXXXXXXXXXXXXXXXXX",  "remark": "XXXXXXXXXXXXXXXXXXXX",  "optioninfo": [  {  "optioncode": "A",  "optioncontent": "Studying",  "optionpic": "",  "iscorrect": 1  },  {  "optioncode": "B",  "optioncontent": "be study",  "optionpic": "",  "iscorrect": 0  }  ],  "errornum": 12  }  ]  }  } |
| 备注 |  |

### 5.2.26生成用户练习试卷

|  |  |
| --- | --- |
| 地址 | http://域名/practice/buildpractice |
| 类型 | POST |
| 请求 | {  "examid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "userid": "00247ad2-88a8-11e7-9349-507b9de72223",  "answerinfo": [  {  "subjectid": "00247ad2-88a8-11e7-9349-507b9de72223",  "subjectanswer": "A" //单选题  },  {  "subjectid": "10247ad2-88a8-11e7-9349-507b9de72223",  "subjectanswer": "AAA,BBB,CCC,DDD" //填空题  }  ]  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": ""  } |
| 备注 |  |

### 5.2.27提交练习测试答案

|  |  |
| --- | --- |
| 地址 | http://域名/practice/submitpractice |
| 类型 | POST |
| 请求 | {  "practiceid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "userid": "00247ad2-88a8-11e7-9349-507b9de72223",  "answerinfo": [  {  "subjectid": "00247ad2-88a8-11e7-9349-507b9de72223",  "subjectanswer": "A" //单选题  },  {  "subjectid": "10247ad2-88a8-11e7-9349-507b9de72223",  "subjectanswer": "AAA,BBB,CCC,DDD" //填空题  }  ]  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": ""  } |
| 备注 |  |

### 5.2.28查询用户练习记录和结果

|  |  |
| --- | --- |
| 地址 | http://域名/practice/completedpractice |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "projectcode": "yasi/tuofu",  "categorycode": "cihui/yufa/duanyu",  "itemcode": "ci",  "subitemcode": "danci",  "pageindex": 1,  "pagesize": 10,  "order": "name desc"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": {  "sEcho": null,  "iTotalRecords": 8,  "iTotalDisplayRecords": 8,  "aaData": [  {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "practicecode": "20170901110",  "practicename": "第339期练习：XXXXXXXXXXXXXXXXXXXX",  "projectcode": "Yasi",  "projectname": "雅思",  "categorycode": "cihui",  "categoryname": "词汇",  "itemcode": "ci",  "itemname": "词",  "subitemcode": "mingci",  "subitemname": "名词",  "subjectnum": "50",  "totalscore": "100",  "remark": "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight",  "resultinfo": {  "totalscore": "98",  "answertime": "2017-08-2416: 30: 48"  }  }  ]  }  } |
| 备注 |  |

### 5.2.29查询用户练习的详细题目和结果

|  |  |
| --- | --- |
| 地址 | http://域名/practice/practiceresultdetail |
| 类型 | GET |
| 请求 | {  "practiceid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "userid": "00247ad2-88a8-11e7-9349-507b9de72223"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "examinfo": {  "id": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "practicecode": "20170901110",  "practicename": "第339期测试：XXXXXXXXXXXXXXXXXXXX",  "projectcode": "Yasi",  "projectname": "雅思",  "categorycode": "cihui",  "categoryname": "词汇",  "itemcode": "ci",  "itemname": "词",  "subitemcode": "mingci",  "subitemname": "名词",  "subjectnum": "50",  "totalscore": "100",  "remark": "",  "status": 1,  "createtime": "2017-08-2416: 30: 48",  "createuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "createusername": "knight",  "modifytime": "2017-08-2416: 30: 48",  "modifyuser": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "modifyusername": "knight",  "resultinfo": {  "totalscore": "98",  "answertime": "2017-08-2416: 30: 48"  },  "subjectinfo": [  {  "subjectid": "ca104318-42e9-4d6e-a47d-cd2f9c3283df",  "subjecttypecode": "01",  "subjecttypename": "选择题",  "subjectcode": "20121212",  "subjectname": "第1题：XXXXXXXXXXXXXXXXXXXX",  "subjectpic": "",  "subjectchinese": "",  "subjectaudio": "",  "subjectscore": "2",  "answercode": "A",  "answeranalysis": "XXXXXXXXXXXXXXXXXXXX",  "remark": "XXXXXXXXXXXXXXXXXXXX",  "optioninfo": [  {  "optioncode": "A",  "optioncontent": "Studying",  "optionpic": "",  "iscorrect": 1  },  {  "optioncode": "B",  "optioncontent": "be study",  "optionpic": "",  "iscorrect": 0  }  ],  "resultinfo": {  "subjectanswer": "C",  "iscorrect": "0",  "subjectscore": 0  }  }  ]  }  } |
| 备注 |  |

### 5.2.30查询用户历史测试成绩曲线

|  |  |
| --- | --- |
| 地址 | http://域名/exam/examanalysis |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "projectcode": "yasi/tuofu",  "projectname": "第XXX次练习：XXXXXXXXXX",  "categorycode": "cihui/yufa/duanyu",  "itemcode": "ci",  "subitemcode": "danci",  "startdate": "2016-1-1",  "enddate": "2016-12-31"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "no": 1,  "examcode": "20170901110",  "examname": "第339期测试：XXXXXXXXXXXXXXXXXXXX",  "totalscore": "98",  "answertime": "2017-08-24 16: 30: 48"  },  {  "no": 2,  "examcode": "20170901111",  "examname": "第340期测试：XXXXXXXXXXXXXXXXXXXX",  "totalscore": "98",  "answertime": "2017-08-24 16: 30: 48"  }  ]  } |
| 备注 |  |

### 5.2.31查询用户历史练习成绩曲线

|  |  |
| --- | --- |
| 地址 | http://域名/practice/practiceanalysis |
| 类型 | GET |
| 请求 | {  "userid": "28f47ad2-88a8-11e7-9349-507b9de727e3",  "projectcode": "yasi/tuofu",  "projectname": "第XXX次练习：XXXXXXXXXX",  "categorycode": "cihui/yufa/duanyu",  "itemcode": "ci",  "subitemcode": "danci",  "startdate": "2016-1-1",  "enddate": "2016-12-31"  } |
| 返回 | {  "errcode": 7001,  "errmsg": "",  "content": [  {  "no": 1,  "examcode": "20170901110",  "examname": "第339期练习：XXXXXXXXXXXXXXXXXXXX",  "totalscore": "98",  "answertime": "2017-08-24 16: 30: 48"  },  {  "no": 2,  "examcode": "20170901111",  "examname": "第340期练习：XXXXXXXXXXXXXXXXXXXX",  "totalscore": "98",  "answertime": "2017-08-24 16: 30: 48"  }  ]  } |
| 备注 |  |