**测试报告**

基于区块链技术的供应链平台：账户及工作流管理系统

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# 概述

## 1.1项目简介

区块链是一种按照时间顺序将数据区块以顺序相连的方式组合成的一种链式数据结构， 并以密码学方式保证的不可篡改和不可伪造的分布式账本。以其去中心化、开放性、自治性、信息不可篡改、匿名性等特性，被广泛运用在金融行业中。

Spring 是一个开源框架，是为了解决企业应用程序开发复杂性而创建的。框架的主要优势之一就是其分层架构，分层架构允许选择使用任意组件，同时为 J2EE 应用程序开发提供集成的框架。

由于整个项目规模较大，由 5 个小组合作完成，我们小组负责实现账户及工作流管理系统模块。该模块是整个系统的中心部分，负责实现对账户信息和工作流的增删改查操作，提供各种接口给前端调用，并使用区块链数据存储模块提供的接口进行数据存储。

## 1.2参考资料

[1]吕云翔，软件工程实用教程，清华大学出版社，2015

[2]吕云翔，刘瀚诚，刘天毅，软件工程项目实训教程，清华大学出版社，2016

[3]Spring MVC 4.2.4.RELEASE 中文文档.

[4]Ian Sommerville著，软件工程（原书第10版），彭鑫等译，机械工业出版社，2018

[5]张海藩，吕云翔，软件工程（第4版），人民邮电出版社，2013

## 1.3相关文档

有关基于区块链技术的供应链平台：账户及工作流管理系统的《需求规格说明书》《软件开发计划书》《软件设计说明书》《用户使用说明书》。

# 目标系统功能需求

参见基于区块链技术的供应链平台：账户及工作流管理系统的《需求规格说明书》

# 目标系统其他需求

参见基于区块链技术的供应链平台：账户及工作流管理系统的《需求规格说明书》

# 功能测试报告

## 4.1测试环境

### 4.1.1服务端硬件运行环境

Intel Xeon CPU E5-2680 v4 @ 2.40GHz, 1核

DDR4 1GB

80GB 硬盘空间

### 4.1.2服务端软件运行环境

Ubuntu 16.04 LTS

jdk-11.0.2

Apache Maven 3.6.1

Apache Tomcat/9.0.20

MySQL 5.7

## 4.2单元测试

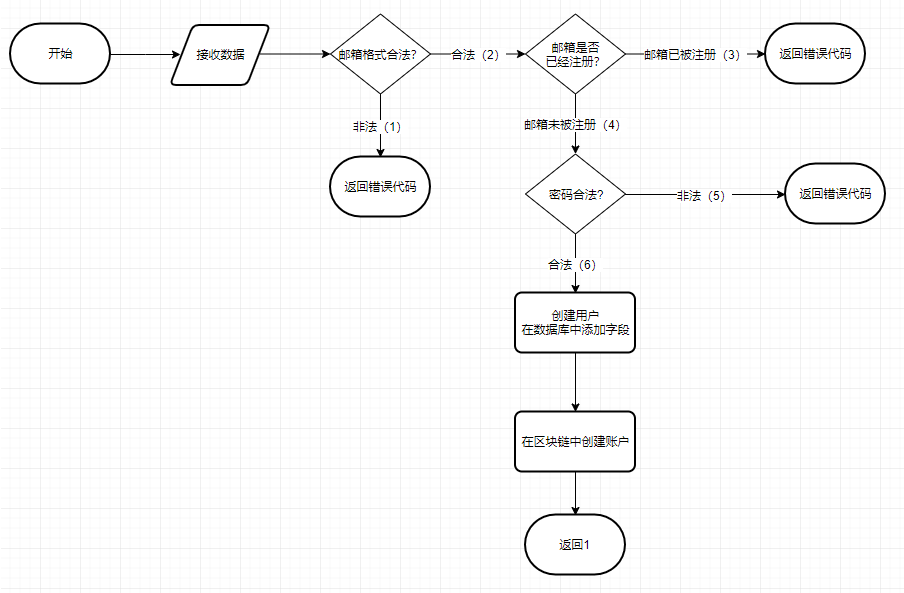
### 4.2.1 测试描述

单元测试主要使用白盒测试，对项目的接口方法进行逻辑覆盖。根据实现功能的大致划分，测试分为四个部分进行。用例的测试结果的获取使用Postman工具，直接对WEB API进行测试。

### 4.2.2 用户信息部分

#### 注册（api/user/register）

流程图：



测试用例：

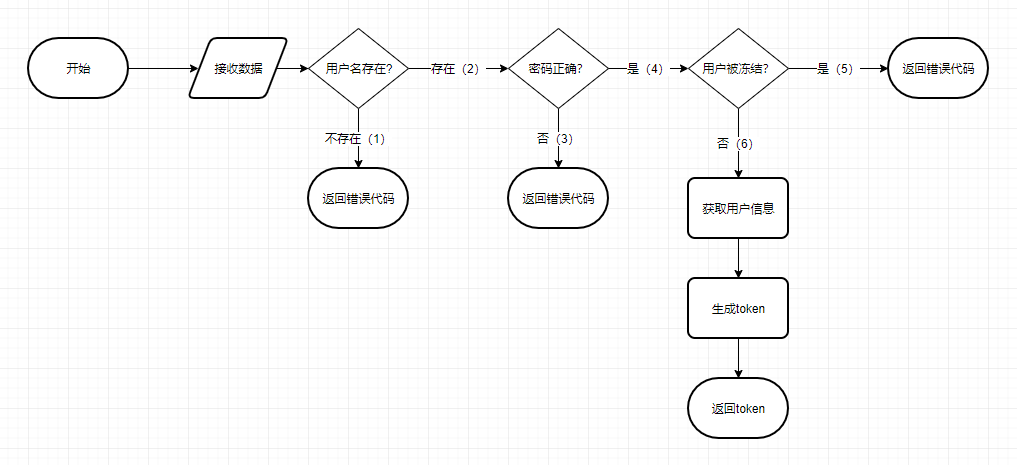
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | | | 预期输出 | 分支覆盖 |
| email | name | password | role | additional |
| 1 | test1@test.com | 测试用户1 | 123456 | CoreBusiness | test profile | {"msg":"Success","status": 1} | 2,4,6 |
| 2 | test2 | 测试用户2 | 123456 | CoreBusiness | test profile | {"msg":"邮箱无效","status":0} | 1 |
| 3 | test1@test.com | 测试用户2 | 123456 | CoreBusiness | test profile | {"msg":"邮箱已被注册","status":0} | 2,3 |
| 4 | test3@test.com | 测试用户3 | null | CoreBusiness | test profile | {"msg":"密码不能为空","status":0} | 2,4,5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status": 1} | {"msg":"Success","status": 1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"邮箱无效","status":0} | {"msg":"邮箱无效","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"邮箱已被注册","status":0} | {"msg":"邮箱已被注册","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"密码不能为空","status":0} | {"msg":"密码不能为空","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 登录（api/user/login）

流程图：



测试用例：

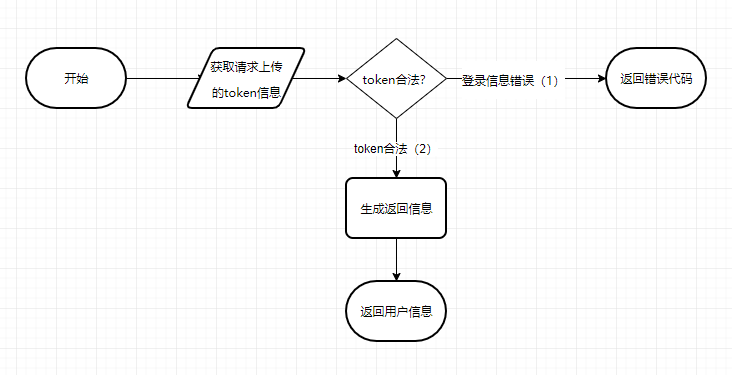
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| email | password |
| 1 | test1@test.com | 123456 | {"msg":"Success","data":……,"status":1} | 2,4,6 |
| 2 | test | 123456 | {"msg":"不存在该用户","status":0} | 1 |
| 3 | test1@test.com | null | {"msg":"密码错误","status":0} | 2,3 |
| 4 | test3@test | 123456 | {"msg":"用户已被冻结","status":0} | 2,4,5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":”T4sUc/8aMvbw6PdvcDwxOyGVxpNf7H9MWgZE5RngVO99hrLi5ag7orgwJUs2VP0EuSwBM14BMISYHAycyuXgfTdAu+FL/laofHRcTioYIO3nK3nT/I782Ki+ctVKImekcHaVEy5BcFdocmXx5plLABPyIS9i1beKo0tNMPATAS+zoOdSD0MVjVUZq1TYpH3PDoMuENJU0agGLi3e6y+PkZV2DuismjKwCtN82T5oEsX3byuwvfYCMNJkp0KZ/4YE”,"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"不存在该用户","status":0} | {"msg":"不存在该用户","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"密码错误","status":0} | {"msg":"密码错误","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"用户已被冻结","status":0} | {"msg":"用户已被冻结","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 获取用户信息（api/user/getUserInfo）

流程图：



测试用例：

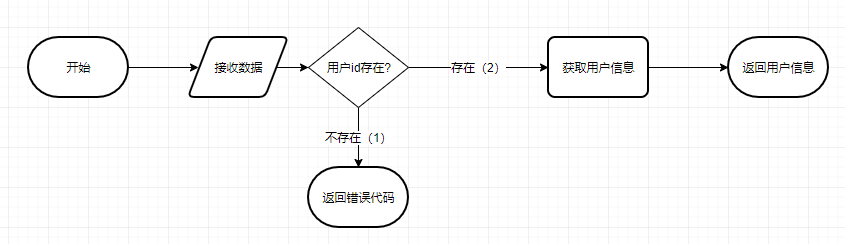
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| token |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | {"msg":"Success","data":……,"status":1} | 2 |
| 2 | null | 无效token-500错误 | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":{"role":"CoreBusiness","additional":"","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"测试用户1","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |

#### 根据id获取用户信息（api/user/getUserById）

流程图：



测试用例：

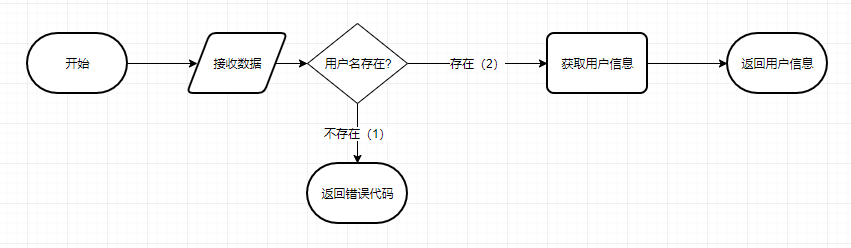
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| id |
| 1 | 1 | {"msg":"Success","data":……,"status":1} | 2 |
| 2 | 0 | {"msg":"不存在该用户","status":0} | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":{"role":"CoreBusiness","additional":"","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":1},"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"不存在该用户","status":0} | {"msg":"不存在该用户","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 根据email获取用户信息（api/user/getUserByEmail）

流程图：



测试用例：

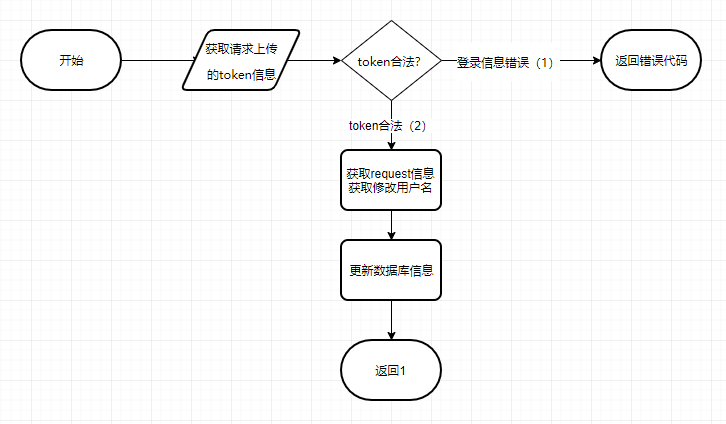
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| Email |
| 1 | Test1@test.com | {"msg":"Success","data":……,"status":1} | 2 |
| 2 | null | {"msg":"不存在该用户","status":0} | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":{"role":"CoreBusiness","additional":"","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"测试用户1","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"不存在该用户","status":0} | {"msg":"不存在该用户","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 更改昵称（api/user/updateName）

流程图：



测试用例：

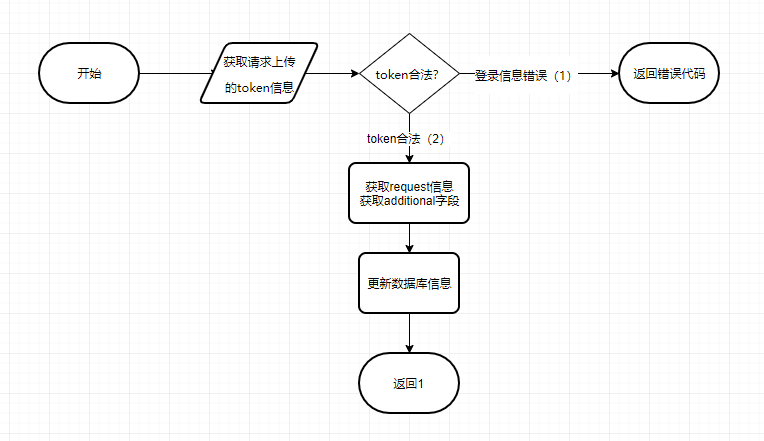
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| 0 | token | name |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 新名称 | {"msg":"Success","status":1} | 2 |
| 2 | null | 新名称 | 无效token-500错误 | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |

#### 更改附加信息（api/user/updateAdditional）

流程图：



测试用例：

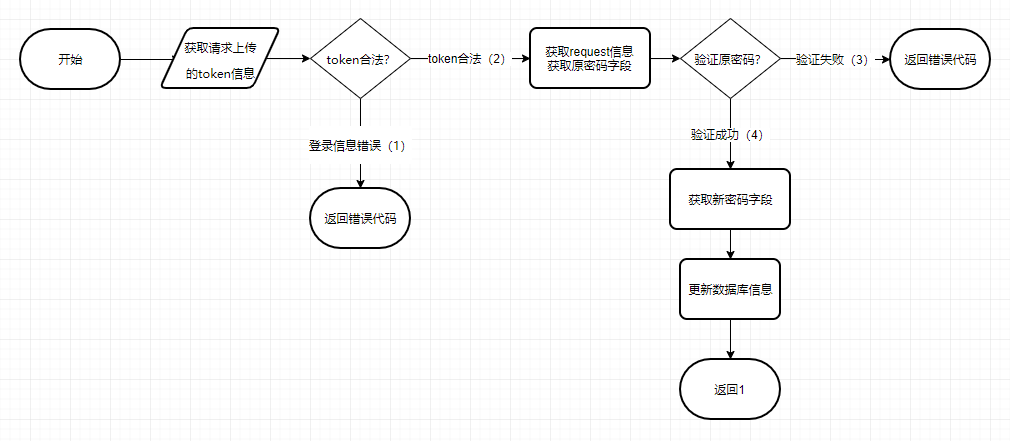
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| 0 | token | additional |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | new addi | {"msg":"Success","status":1} | 2 |
| 2 | null | new addi | 无效token-500错误 | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |

#### 更改密码（api/user/updatePassword）

流程图：



测试用例：

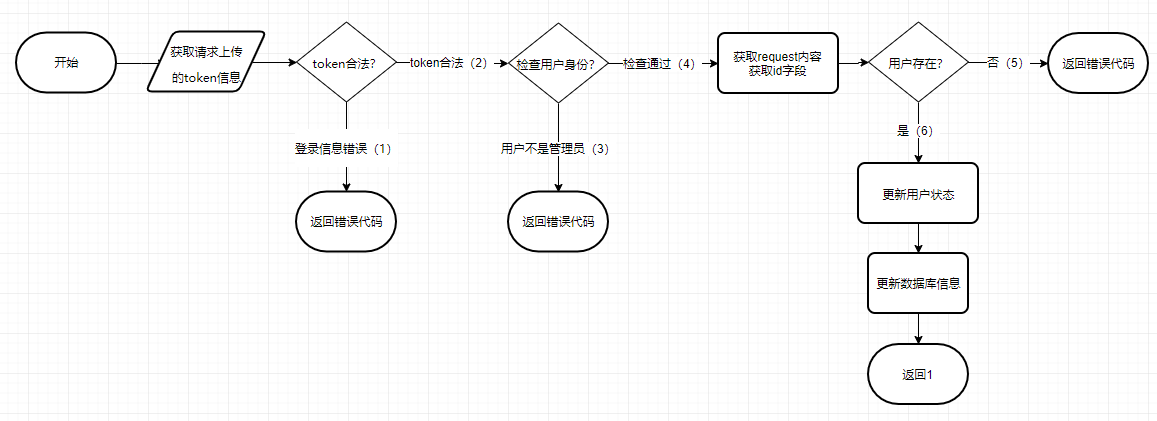
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | 预期输出 | 分支覆盖 |
| token | confirmPassword | newPassword |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 123456 | abcdef | {"msg":"Success","status":1} | 2,4 |
| 2 | null | 123456 | abcdef | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 987654 | abcdef | {"msg":"密码错误","status":0} | 2,3 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"密码错误","status":0} | {"msg":"密码错误","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 修改冻结状态（api/user/setFrozen）

流程图：



测试用例：

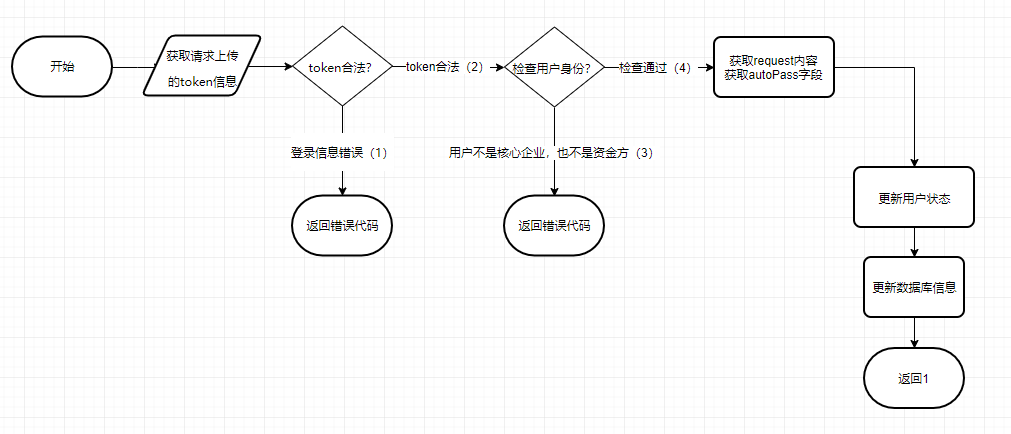
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | 预期输出 | 分支覆盖 |
| token | id | frozen |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 3 | 1 | {"msg":"Success","status":1} | 2,4,6 |
| 2 | null | 3 | 1 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 3 | 1 | {"msg":"只有管理员才能冻结用户","status":0} | 2,3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | 1 | {"msg":"不存在此用户","status":0} | 2,4,5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"只有管理员才能冻结用户","status":0} | {"msg":"只有管理员才能冻结用户","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"不存在此用户","status":0} | {"msg":"不存在此用户","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 修改自动通过（api/user/setAutoPass）

流程图：



测试用例：

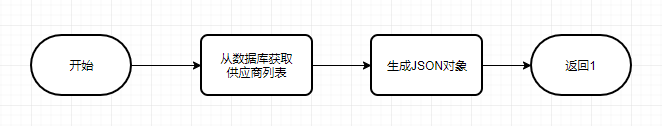
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | autoPass |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 1 | {"msg":"Success","status":1} | 2,4 |
| 2 | null | 1 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 1 | {"msg":"只有核心企业和资金方才能设置授信或确权自动通过","status":0} | 3 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"只有核心企业和资金方才能设置授信或确权自动通过","status":0} | {"msg":"只有核心企业和资金方才能设置授信或确权自动通过","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 获取所有供应商信息（api/user/getAllSuppliers）

流程图：



测试用例：

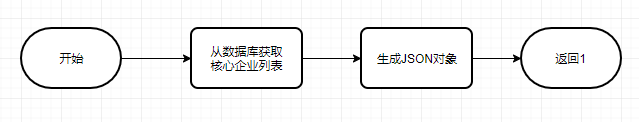
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| 1 | 无 | {"msg":"Success","data":[……],"status":1} | - |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"role":"Supplier","profile":{"orderCount":0,"finCounts":[1,0,0,0]},"name":"供应商测试","frozen":0,"id":3,"email":"A@A.COM","autoPass":0},{"role":"Supplier","profile":{"approved":10000,"applied":10000,"orderCount":0,"rank":"A","finCounts":[0,0,0,0]},"name":"供应商","frozen":0,"id":9,"email":"E@E.COM","autoPass":0},{"role":"Supplier","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"供应商","frozen":1,"id":12,"email":"F@F.COM","autoPass":0}],"status":1} | 通过 | 赵元鹏 | 2019/6/27 |

#### 获取所有核心企业信息（api/user/getAllCoreBusinesses）

流程图：



测试用例：

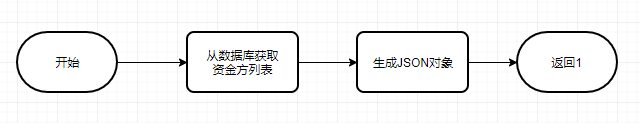
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| 1 | 无 | {"msg":"Success","data":[……],"status":1} | - |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"role":"CoreBusiness","additional":"","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":1},{"role":"CoreBusiness","additional":"test profile","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"测试用户2","frozen":1,"id":2,"email":"TEST2@TEST.COM","autoPass":0},{"role":"CoreBusiness","profile":{"orderCount":0,"finCounts":[1,0,0,0]},"name":"核心企业测试","frozen":0,"id":4,"email":"B@B.COM","autoPass":0},{"role":"CoreBusiness","additional":"","profile":{"orderCount":0,"finCounts":[0,0,0,0]},"name":"测试用户3","frozen":1,"id":11,"email":"TEST3@TEST","autoPass":0}],"status":1} | 通过 | 赵元鹏 | 2019/6/27 |

#### 获取所有资金方信息（api/user/getAllMoneyGivers）

流程图：



测试用例：

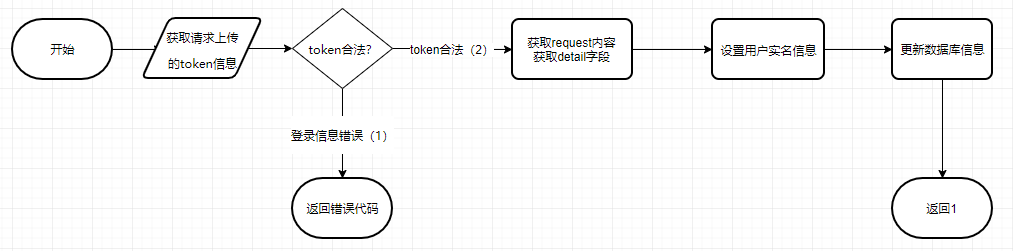
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| 1 | 无 | {"msg":"Success","data":[……],"status":1} | - |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"role":"MoneyGiver","profile":{"finCounts":[1,0,0,0]},"name":"资金方测试","frozen":1,"id":5,"email":"C@C.COM","autoPass":0}],"status":1} | 通过 | 赵元鹏 | 2019/6/27 |

#### 设置实名信息（api/user/setVerification）

流程图：



测试用例：

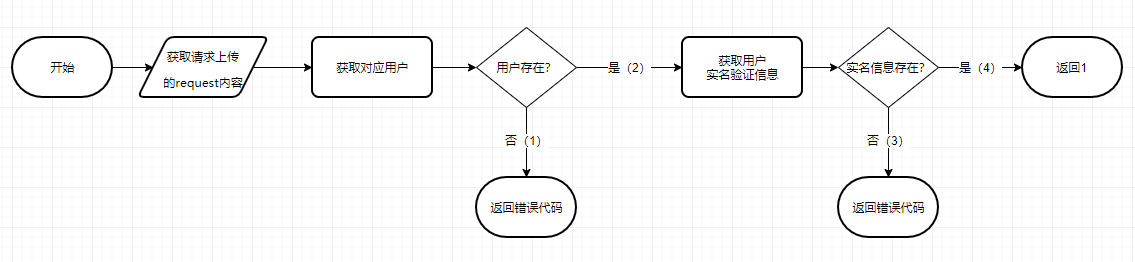
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | detail |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 李明 | {"msg":"Success","status":1} | 2 |
| 2 | null | 李明 | 无效token-500错误 | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |

#### 获取实名信息（api/user/getVerification）

流程图：



测试用例：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| email |
| 1 | [test1@test.com](mailto:test1@test.com) | {"msg":"Success","data":"李明","status":1} | 2,4 |
| 2 | null | {"msg":"此用户不存在","status":0} | 1 |
| 3 | [test3@test](mailto:test3@test) | {"msg":"未找到","status":0} | 2,3 |

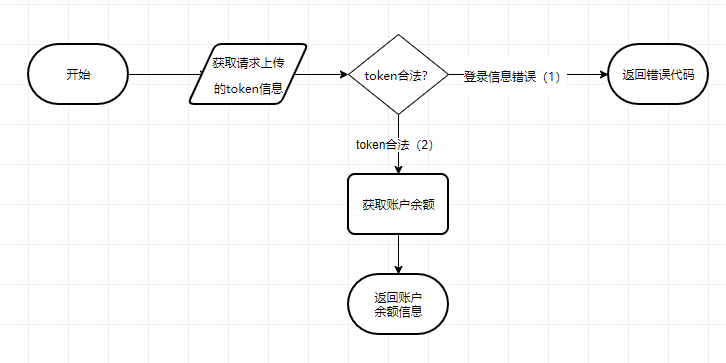
测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":"李明","status":1} | {"msg":"Success","data":"李明","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"此用户不存在","status":0} | {"msg":"此用户不存在","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"未找到","status":0} | {"msg":"未找到","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

### 4.2.3 账户部分

#### 查询余额（api/account/getMoney）

流程图：



测试用例：

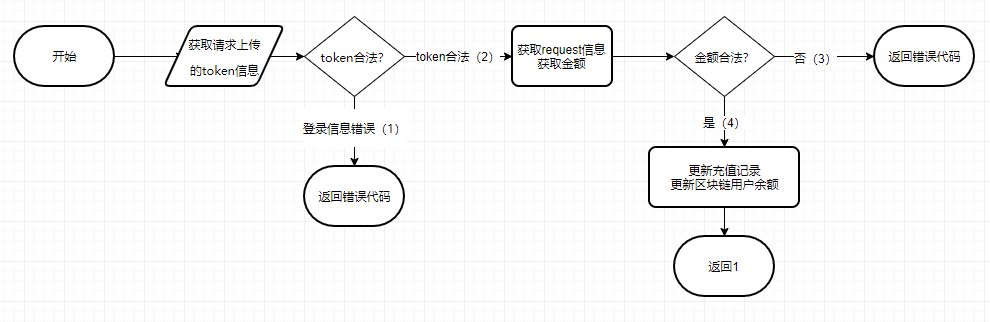
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| token |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | {"msg":"Success","data":0,"status":1} | 2 |
| 2 | null | 无效token-500错误 | 1 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":0,"status":1} | {"msg":"Success","data":0,"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |

#### 充值（api/account/recharge）

流程图：



测试用例：

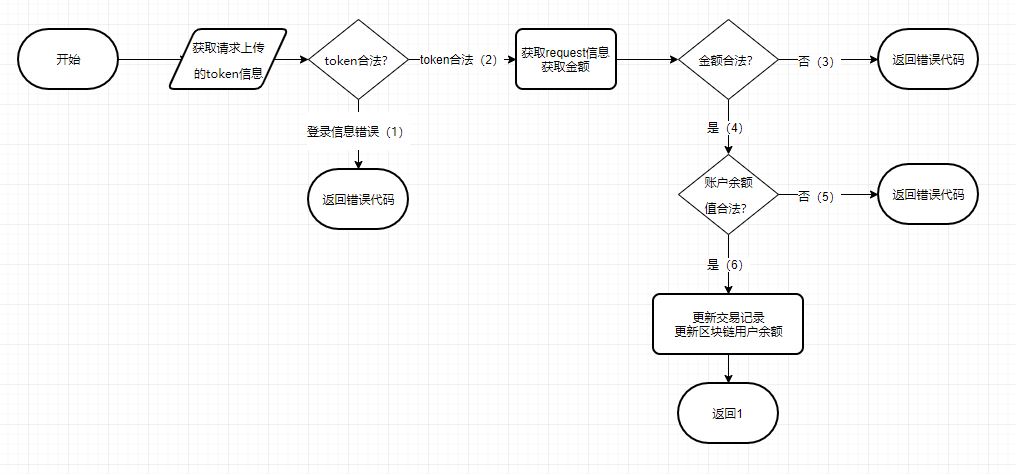
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | money |
| 1 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | 123456.1 | {"msg":"Success","status":1} | 2,4 |
| 2 | null | 123456.1 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | -100 | {"msg":"金额必须大于0","status":0} | 2,3 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | { "msg": "Success", "status": 1 } | {"msg":"Success", "status":1} | 通过 | 赵元鹏 | 2019/6/28 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/28 |
| 3 | {"msg":"金额必须大于0","status":0} | {"msg":"金额必须大于0","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

#### 提现（api/account/withdraw）

流程图：



测试用例：

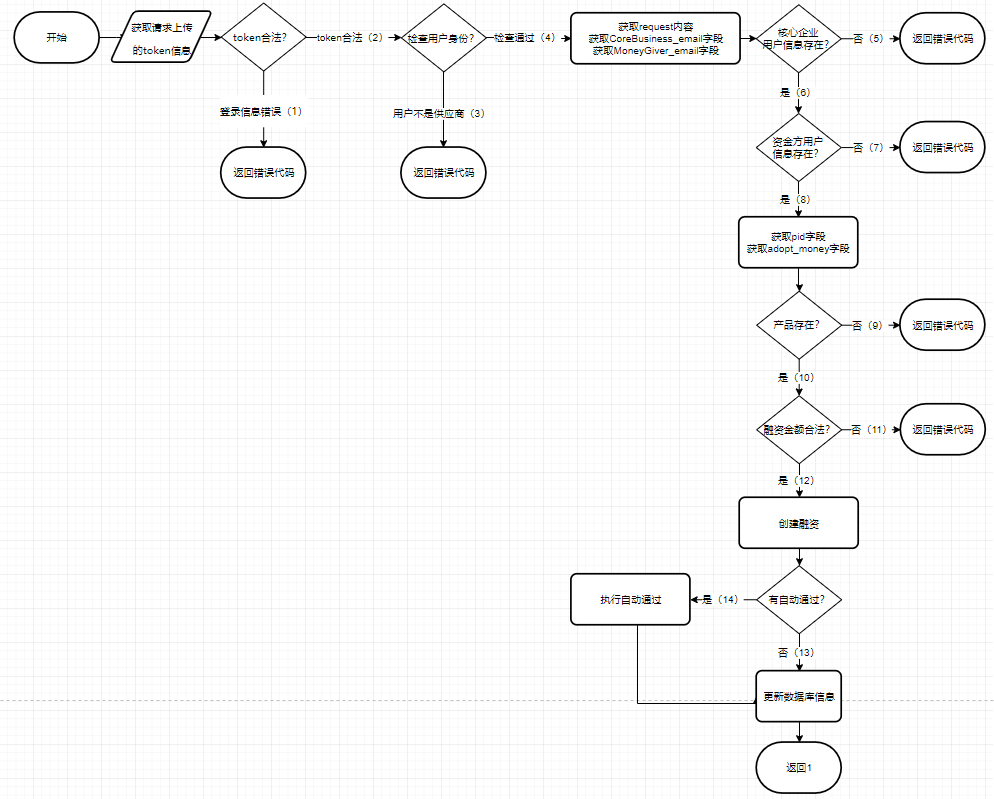
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | money |
| 1 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | 100.0 | {"msg":"Success","status":1} | 2,4,6 |
| 2 | null | 123 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | -100 | {"msg":"金额必须大于0","status":0} | 2,3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | 10000000.0 | {"msg":"账户余额不足","status":0} | 2,4,5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | { "msg": "Success", "status": 1 } | 通过 | 赵元鹏 | 2019/6/28 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/28 |
| 3 | {"msg":"金额必须大于0","status":0} | {"msg":"金额必须大于0","status":0} | 通过 | 赵元鹏 | 2019/6/28 |
| 4 | {"msg":"账户余额不足","status":0} | {"msg":"账户余额不足","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

### 4.2.4 融资部分

#### 融资申请（api/financing/createFinancing）



测试用例：

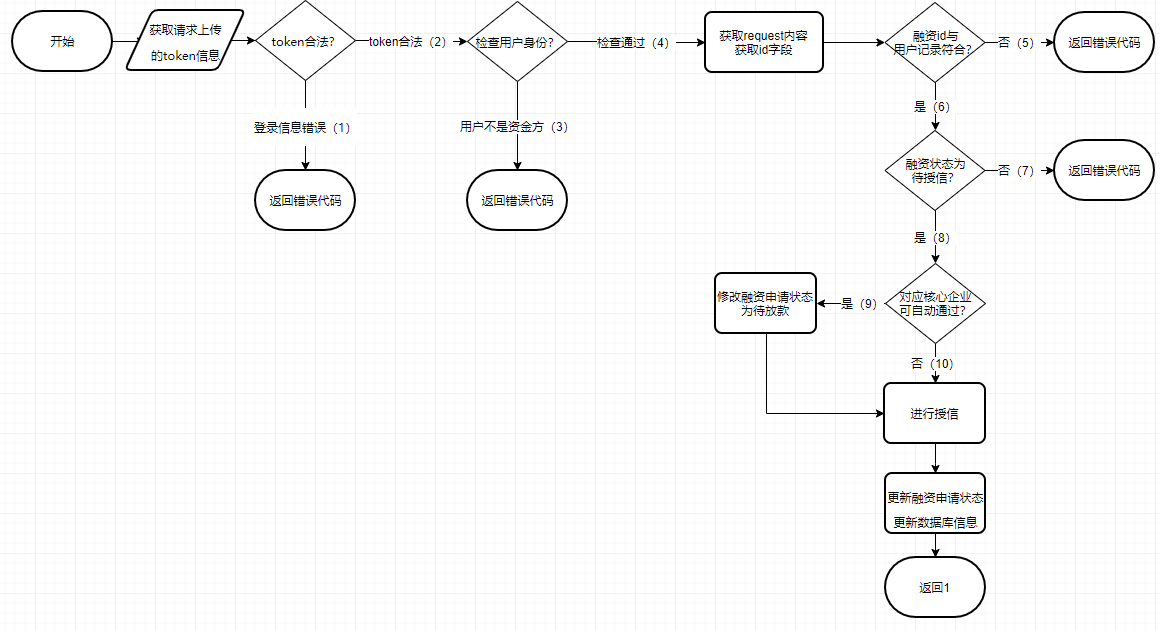
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | | | 预期输出 | 分支覆盖 |
| token | CoreBusiness\_email | MoneyGiver\_email | adopt\_money | product\_id |
| 1 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [test1@test.com](mailto:test1@test.com) | [C@C.COM](mailto:C@C.COM) | 123 | 18 | {"msg":"Success","data":……,"status":1} | 2,4,6,8,10,12,13 |
| 2 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [test2@test.com](mailto:test2@test.com) | [MNY@TEST](mailto:MNY@TEST) | 123 | 18 | {"msg":"Success","data":……,"status":1} | 2,4,6,8,10,12,14 |
| 3 | null | [test1@test.com](mailto:test1@test.com) | [C@C.COM](mailto:C@C.COM) | 123 | 18 | 无效token-500错误 | 1 |
| 4 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | [E@E.COM](mailto:E@E.COM) | [C@C.COM](mailto:C@C.COM) | 123 | 18 | {"msg":"必须由供应商提交融资申请","status":0} | 2,3 |
| 5 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [null](mailto:test1@test.com) | [C@C.COM](mailto:C@C.COM) | 123 | 18 | {"msg":"核心企业email不存在","status":0} | 2,4,5 |
| 6 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [F@F.COM](mailto:F@F.COM) | [C@C.COM](mailto:C@C.COM) | 23 | 18 | {"msg":"核心企业email身份不正确","status":0} | 2,4,5 |
| 7 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [test1@test.com](mailto:test1@test.com) | [null](mailto:C@C.COM) | 123 | 18 | {"msg":"资金方email不存在","status":0} | 2,4,6,7 |
| 8 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [test1@test.com](mailto:test1@test.com) | [F@F.COM](mailto:F@F.COM) | 123 | 18 | {"msg":"资金方email身份不正确","status":0} | 2,4,6,7 |
| 9 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [test1@test.com](mailto:test1@test.com) | [C@C.COM](mailto:C@C.COM) | 123 | 0 | {"msg":"此产品不存在","status":0} | 2,4,6,8,9 |
| 10 | T4sUc/8aMvbw6PdvcDwxOwc3s0v7ysApNxfZGjbP4GUFCYg8jhwzvub/HMwkLdaYeeJEhkYJm0PC9zAduR1rP39OC5bez00WpMumR9f8bw/5XBQxuQXTb1uq9rELKePP0SpQHWOD+nrCaVM/ikG7ROZyueNfvCbI95M0IMCZCquM9xbvK0c+mbPiMxBIbjtAAgDjCSTc7PuzTaq+CBgYjNiPzGRkmYmz7wqHccJ9EpJWdKhI609/vJOs74c0MCoK | [test1@test.com](mailto:test1@test.com) | [C@C.COM](mailto:C@C.COM) | 0 | 18 | {"msg":"金额必须大于0","status":0} | 2,4,6,8,10,11 |
| 11 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | [test1@test.com](mailto:test1@test.com) | [C@C.COM](mailto:C@C.COM) | 123 | 18 | {"msg":"融资金额不能大于授信额度","status":0} | 2,4,6,8,10,11 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":2,"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":3,"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"必须由供应商提交融资申请","status":0} | {"msg":"必须由供应商提交融资申请","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 5 | {"msg":"核心企业email不存在","status":0} | {"msg":"核心企业email不存在","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 6 | {"msg":"核心企业email身份不正确","status":0} | {"msg":"核心企业email身份不正确","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 7 | {"msg":"资金方email不存在","status":0} | {"msg":"资金方email不存在","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 8 | {"msg":"资金方email身份不正确","status":0} | {"msg":"资金方email身份不正确","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 9 | {"msg":"此产品不存在","status":0} | {"msg":"此产品不存在","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 10 | {"msg":"金额必须大于0","status":0} | {"msg":"金额必须大于0","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 11 | {"msg":"融资金额不能大于授信额度","status":0} | {"msg":"融资金额不能大于授信额度","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 附： | 执行序号2和3的用例后，id为2的Financing，其status为0（待授信）；id为3的Financing，其status为2（已经自动授信和确权，待放款） | | | | |

#### 资金方授信（api/financing/credit）

流程图：



测试用例：

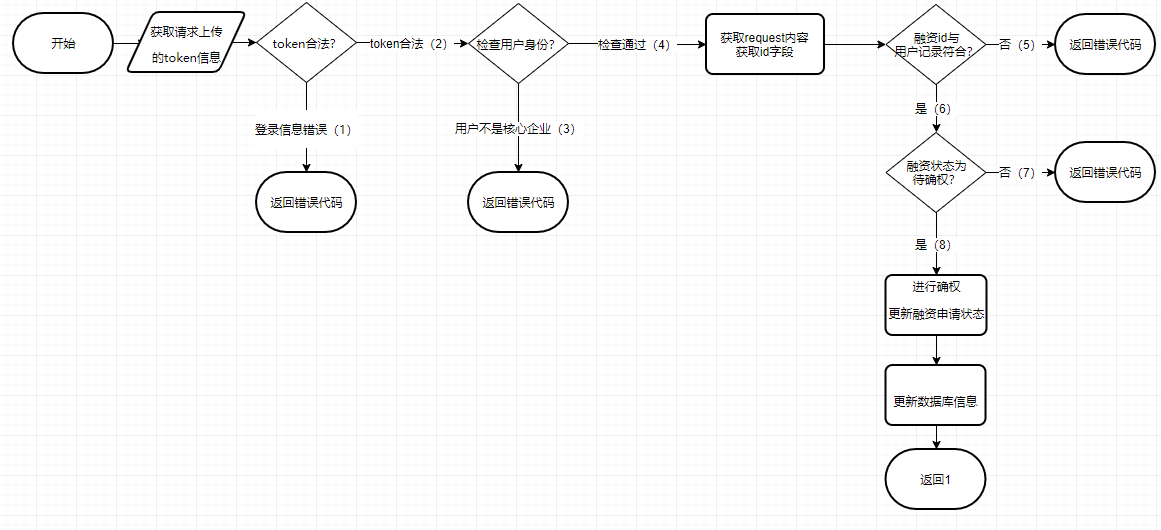
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 6 | {"msg":"Success","status":1} | 2，4，6，8，10 |
| 2 | T4sUc/8aMvbw6PdvcDwxO1Btiso3E+sk6gQE0gWviLlMDWfHYVHtKdXHaLYIbOwyDIlgkdaOqeGJU59tCUb0Kzfsop7ooPyxIjDUzW8ErwXQrXVFkV3fYb4rTy0nOg6QcSGvEal9A3WLyhbOLy5lpqXKl3alNjThQM3H6fAn00dwvaZOV6flRFS0aDhrvzXKrVBmhoqYsXXsFQtDKJ+7vgjDkMSeqc48Yx1FluUKTvHQy6+Xk9yQAYpBAD1GWX/2x4ro7ntnWl9Clc/hO/Hwn1aeK0vzffG4XUP/meJUmnbcqRkJ/nAgwqrbc4EKw6KZGr1WT6c/VGGgaubFW7JFTVEiuUZbaQWtc0rN04qiWCF2BprcxfDJ6UHN32S3u2iZ | 7 | {"msg":"Success","status":1} | 2，4，6，8，9 |
| 3 | null | 8 | 无效token-500错误 | 1 |
| 4 | T4sUc/8aMvbw6PdvcDwxO2p7fe5NQbWiRyj3m/IoZEfasjnXWPxdGMkpmFUBhUTELarF/HC5DF+ulV8lTs67/O1e3QuRFGS6Xiqppc3WZD8C4am4CytHopwrAgCQqBQaXCuV/yHJ7Cl5J3fon+YAI2Oj+94YqEfVQps7p3WlEt42oSkkdHSraY43wzNYSEwFKozoxczvQy4ROTmF1mO+RbQWPP0eW2L3ATVZ2nx14ilSTTwZdXyp3m5kVHLPYp6Z+SnJ+AyME2iHGngrWDv4Hv+ijRjwJvFxnpQ02CZD2IuEPPqH1F+9FCzFm0BwumIoN+eNVVIe3CSTLfg5cMxEG0uwi/kA6+3ozUXg8Qr8SfK0HzuygLqNtTFVrr/4HL6F | 8 | {"msg":"必须由资金方授信","status":0} | 2，3 |
| 5 | T4sUc/8aMvbw6PdvcDwxO1Btiso3E+sk6gQE0gWviLlMDWfHYVHtKdXHaLYIbOwyDIlgkdaOqeGJU59tCUb0Kzfsop7ooPyxIjDUzW8ErwXQrXVFkV3fYb4rTy0nOg6QcSGvEal9A3WLyhbOLy5lpqXKl3alNjThQM3H6fAn00dwvaZOV6flRFS0aDhrvzXKrVBmhoqYsXXsFQtDKJ+7vgjDkMSeqc48Yx1FluUKTvHQy6+Xk9yQAYpBAD1GWX/2x4ro7ntnWl9Clc/hO/Hwn1aeK0vzffG4XUP/meJUmnbcqRkJ/nAgwqrbc4EKw6KZGr1WT6c/VGGgaubFW7JFTVEiuUZbaQWtc0rN04qiWCF2BprcxfDJ6UHN32S3u2iZ | 0 | {"msg":"您不存在该申请","status":0} | 2，4，5 |
| 6 | T4sUc/8aMvbw6PdvcDwxO/1PzsB359ykRe6TzL9/B8UvN+N5Vu9PURIlKA4M576dX0m0ExAQ1Lv2zM63IUMTjoQp2OQiJ75tsv4tueCxpbSTHVSKXIl6xRsuDhaPXJ8S6d2ZSM8E4KohrItKOUMC4dLQHK1PS5poXoHSwpJJ+3E3B1iWv9ZKVgW/95y9rpA36mwBcbg+C2msLqwRIdpamLHBH8gD7U3ysgC/3blZQ7Xk88jVAzZcIgzIhCAWIbLo | 3 | {"msg":"本申请不该进行此操作","status":0} | 2，4，6，7 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"必须由资金方授信","status":0} | {"msg":"必须由资金方授信","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 5 | {"msg":"您不存在该申请","status":0} | {"msg":"您不存在该申请","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 6 | {"msg":"本申请不该进行此操作","status":0} | {"msg":"本申请不该进行此操作","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 附： | 执行序号1和2的用例后，id为6的Financing，其status为1（待确权）；id为7的Financing，其status为2（已经自动确权，待放款） | | | | |

#### 核心企业确权（api/financing/confirm）

流程图：



测试用例：

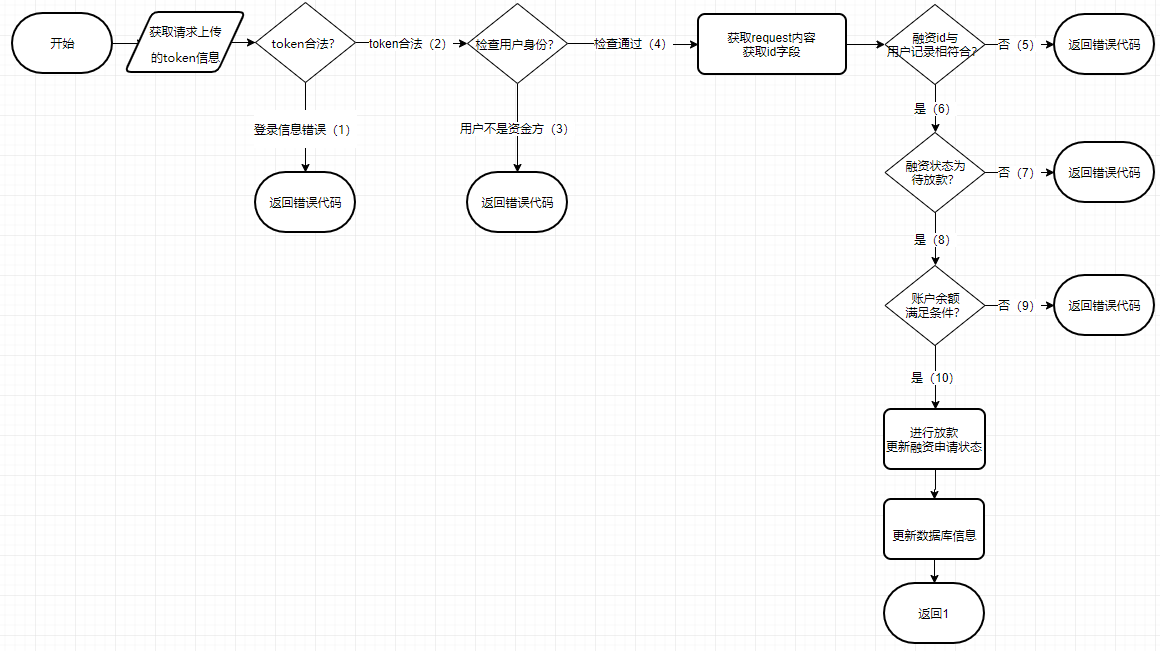
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 8 | {"msg":"Success","status":1} | 2，4，6，8 |
| 2 | null | 9 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 9 | {"msg":"必须由核心企业确权","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 0 | {"msg":"您不存在该申请","status":0} | 2，4，5 |
| 5 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 2 | {"msg":"本申请不该进行此操作","status":0} | 2，4，6，7 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/28 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/28 |
| 3 | {"msg":"必须由核心企业确权","status":0} | {"msg":"必须由核心企业确权","status":0} | 通过 | 赵元鹏 | 2019/6/28 |
| 4 | {"msg":"您不存在该申请","status":0} | {"msg":"您不存在该申请","status":0} | 通过 | 赵元鹏 | 2019/6/28 |
| 5 | {"msg":"本申请不该进行此操作","status":0} | {"msg":"本申请不该进行此操作","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

#### 资金方放款（api/financing/pay）

流程图：



测试用例：

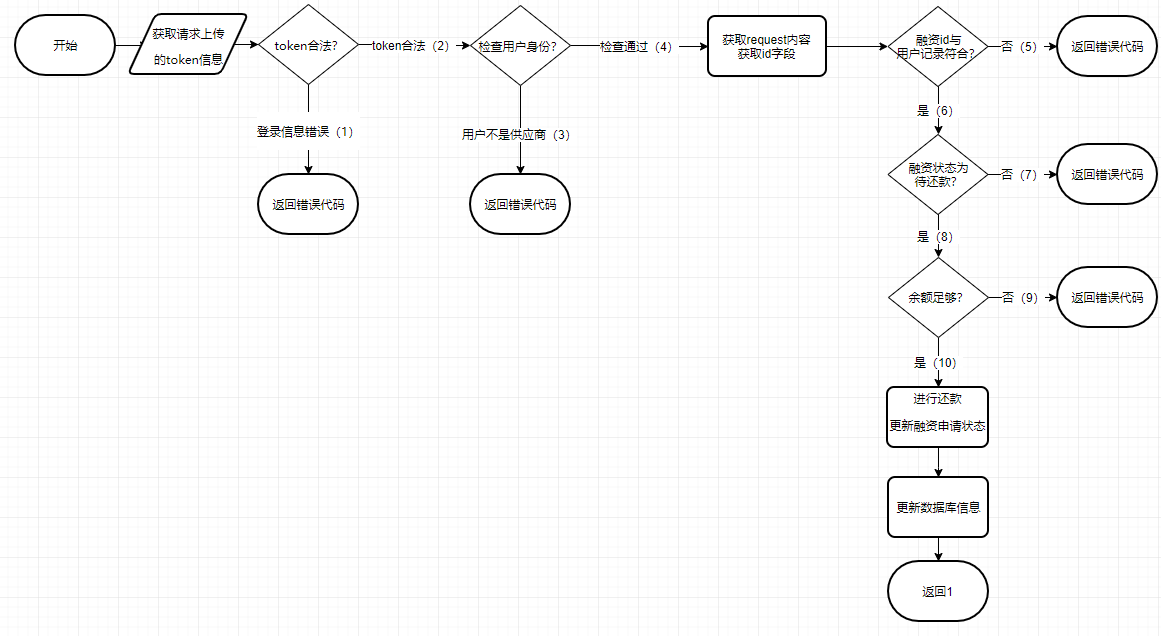
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxO1Btiso3E+sk6gQE0gWviLlMDWfHYVHtKdXHaLYIbOwyDIlgkdaOqeGJU59tCUb0Kzfsop7ooPyxIjDUzW8ErwXQrXVFkV3fYb4rTy0nOg6QcSGvEal9A3WLyhbOLy5lpqXKl3alNjThQM3H6fAn00dwvaZOV6flRFS0aDhrvzXKrVBmhoqYsXXsFQtDKJ+7vgjDkMSeqc48Yx1FluUKTvHQy6+Xk9yQAYpBAD1GWX/2x4ro7ntnWl9Clc/hO/Hwn1aeK0vzffG4XUP/meJUmnbcqRkJ/nAgwqrbc4EKw6KZGr1WT6c/VGGgaubFW7JFTVEiuUZbaQWtc0rN04qiWCF2BprcxfDJ6UHN32S3u2iZ | 6 | {"msg":"Success","data":123,"status":1} | 2，4，6，8，10 |
| 2 | null | 7 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 7 | {"msg":"必须由资金方放款","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO1Btiso3E+sk6gQE0gWviLlMDWfHYVHtKdXHaLYIbOwyDIlgkdaOqeGJU59tCUb0Kzfsop7ooPyxIjDUzW8ErwXQrXVFkV3fYb4rTy0nOg6QcSGvEal9A3WLyhbOLy5lpqXKl3alNjThQM3H6fAn00dwvaZOV6flRFS0aDhrvzXKrVBmhoqYsXXsFQtDKJ+7vgjDkMSeqc48Yx1FluUKTvHQy6+Xk9yQAYpBAD1GWX/2x4ro7ntnWl9Clc/hO/Hwn1aeK0vzffG4XUP/meJUmnbcqRkJ/nAgwqrbc4EKw6KZGr1WT6c/VGGgaubFW7JFTVEiuUZbaQWtc0rN04qiWCF2BprcxfDJ6UHN32S3u2iZ | 0 | {"msg":"您不存在该申请","status":0} | 2，4，5 |
| 5 | T4sUc/8aMvbw6PdvcDwxO1Btiso3E+sk6gQE0gWviLlMDWfHYVHtKdXHaLYIbOwyDIlgkdaOqeGJU59tCUb0Kzfsop7ooPyxIjDUzW8ErwXQrXVFkV3fYb4rTy0nOg6QcSGvEal9A3WLyhbOLy5lpqXKl3alNjThQM3H6fAn00dwvaZOV6flRFS0aDhrvzXKrVBmhoqYsXXsFQtDKJ+7vgjDkMSeqc48Yx1FluUKTvHQy6+Xk9yQAYpBAD1GWX/2x4ro7ntnWl9Clc/hO/Hwn1aeK0vzffG4XUP/meJUmnbcqRkJ/nAgwqrbc4EKw6KZGr1WT6c/VGGgaubFW7JFTVEiuUZbaQWtc0rN04qiWCF2BprcxfDJ6UHN32S3u2iZ | 6 | {"msg":"本申请不该进行此操作","status":0} | 2，4，6，7 |
| 6 | T4sUc/8aMvbw6PdvcDwxO/1PzsB359ykRe6TzL9/B8UvN+N5Vu9PURIlKA4M576dX0m0ExAQ1Lv2zM63IUMTjoQp2OQiJ75tsv4tueCxpbSTHVSKXIl6xRsuDhaPXJ8S6d2ZSM8E4KohrItKOUMC4dLQHK1PS5poXoHSwpJJ+3E3B1iWv9ZKVgW/95y9rpA36mwBcbg+C2msLqwRIdpamLHBH8gD7U3ysgC/3blZQ7Xk88jVAzZcIgzIhCAWIbLo | 11 | {"msg":"账户余额不足","status":0} | 2，4，6，8，9 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":123,"status":1} | {"msg":"Success","data":123,"status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"必须由资金方放款","status":0} | {"msg":"必须由资金方放款","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"您不存在该申请","status":0} | {"msg":"您不存在该申请","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 5 | {"msg":"本申请不该进行此操作","status":0} | {"msg":"本申请不该进行此操作","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 6 | {"msg":"账户余额不足","status":0} | {"msg":"账户余额不足","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 供应商还款（api/financing/repay）

流程图：



测试用例：

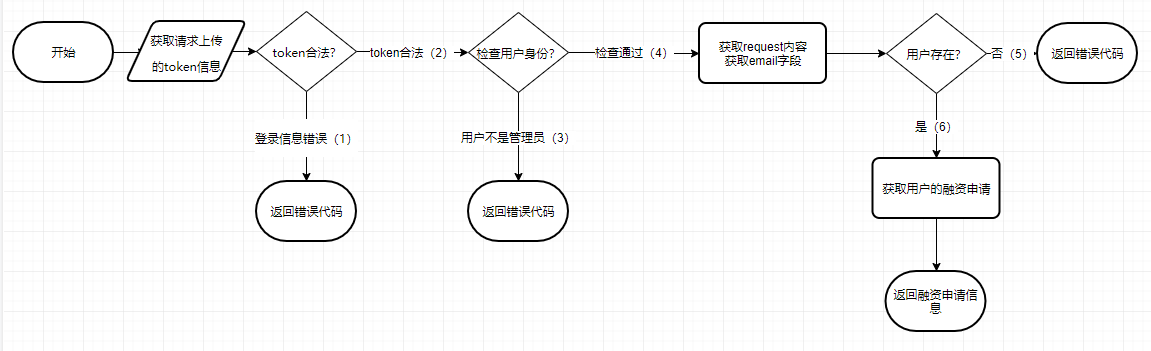
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 3 | {"msg":"Success","data":……,"status":1} | 2，4，6，8，10 |
| 2 | null | 5 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO/1PzsB359ykRe6TzL9/B8UvN+N5Vu9PURIlKA4M576dX0m0ExAQ1Lv2zM63IUMTjoQp2OQiJ75tsv4tueCxpbSTHVSKXIl6xRsuDhaPXJ8S6d2ZSM8E4KohrItKOUMC4dLQHK1PS5poXoHSwpJJ+3E3B1iWv9ZKVgW/95y9rpA36mwBcbg+C2msLqwRIdpamLHBH8gD7U3ysgC/3blZQ7Xk88jVAzZcIgzIhCAWIbLo | 5 | {"msg":"必须由供应商放款","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 0 | {"msg":"您不存在该申请","status":0} | 2，4，5 |
| 5 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 4 | {"msg":"本申请不该进行此操作","status":0} | 2，4，6，7 |
| 6 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 5 | {"msg":"账户余额不足","status":0} | 2，4，6，8，9 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":……,"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"必须由供应商放款","status":0} | {"msg":"必须由供应商放款","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"您不存在该申请","status":0} | {"msg":"您不存在该申请","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 5 | {"msg":"本申请不该进行此操作","status":0} | {"msg":"本申请不该进行此操作","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 6 | {"msg":"账户余额不足","status":0} | {"msg":"账户余额不足","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

#### 根据email查看用户相关的融资申请(api/financing/getFinancingByEmail)

流程图：



测试用例：

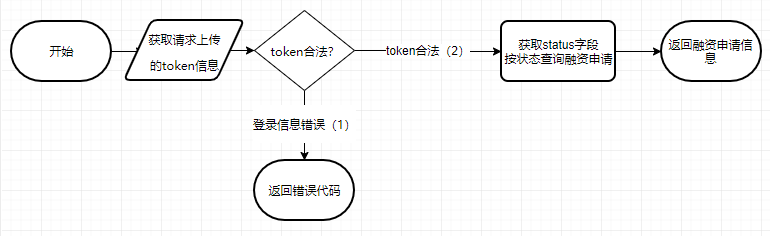
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | email |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | [test1@test.com](mailto:test1@test.com) | {"msg":"Success","data":[……],"status":1} | 2，4，6 |
| 2 | null | [test1@test.com](mailto:test1@test.com) | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | [test1@test.com](mailto:test1@test.com) | {"msg":"只有管理员才能获取","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | null | {"msg":"此用户不存在","status":0} | 2，4，5 |
| 5 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | test@admin | {"msg":"管理员没有融资申请","status":0} | 2，4，6 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-28 20:41:39.0","rate":0.05,"days":10,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商","frozen":0,"id":13,"email":"SUP@TEST","autoPass":1},"id":2,"status":-1,"MoneyGiver":{"role":"MoneyGiver","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"资金方测试","frozen":0,"id":5,"email":"C@C.COM","autoPass":0}},{"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-28 22:39:39.0","rate":0.05,"days":10,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商","frozen":0,"id":13,"email":"SUP@TEST","autoPass":1},"id":4,"status":0,"MoneyGiver":{"role":"MoneyGiver","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"资金方测试","frozen":0,"id":5,"email":"C@C.COM","autoPass":0}},{"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-28 23:24:39.0","payTime":"2019-06-29 20:05:58.0","rate":0.05,"days":10,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商","frozen":0,"id":13,"email":"SUP@TEST","autoPass":1},"id":6,"status":3,"MoneyGiver":{"role":"MoneyGiver","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试资金方2","frozen":0,"id":16,"email":"MNY2@TEST","autoPass":0}},{"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-28 23:38:16.0","rate":0.05,"days":10,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商","frozen":0,"id":13,"email":"SUP@TEST","autoPass":1},"id":8,"status":2,"MoneyGiver":{"role":"MoneyGiver","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试资金方2","frozen":0,"id":16,"email":"MNY2@TEST","autoPass":0}},{"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-29 12:42:12.0","rate":0.05,"days":10,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商","frozen":0,"id":13,"email":"SUP@TEST","autoPass":1},"id":9,"status":2,"MoneyGiver":{"role":"MoneyGiver","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试资金方2","frozen":0,"id":16,"email":"MNY2@TEST","autoPass":0}}],"status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"只有管理员才能获取","status":0} | {"msg":"只有管理员才能获取","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"此用户不存在","status":0} | {"msg":"此用户不存在","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 5 | {"msg":"管理员没有融资申请","status":0} | {"msg":"管理员没有融资申请","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 按状态查看和当前用户相关的融资申请（api/financing/getFinancingByUserAndStatus）

流程图：



测试用例：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | status |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 3 | {"msg":"Success","data":[……],"status":1} | 2 |
| 2 | null | 3 | 无效token-500错误 | 1 |

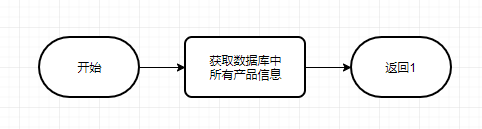
测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-28 23:24:39.0","payTime":"2019-06-29 20:05:58.0","rate":0.05,"days":10,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商","frozen":0,"id":13,"email":"SUP@TEST","autoPass":1},"id":6,"status":3,"MoneyGiver":{"role":"MoneyGiver","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试资金方2","frozen":0,"id":16,"email":"MNY2@TEST","autoPass":0}}],"status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |

### 4.2.5 产品部分

#### 获取所有产品（api/product/getAllProducts）

流程图：



测试用例：

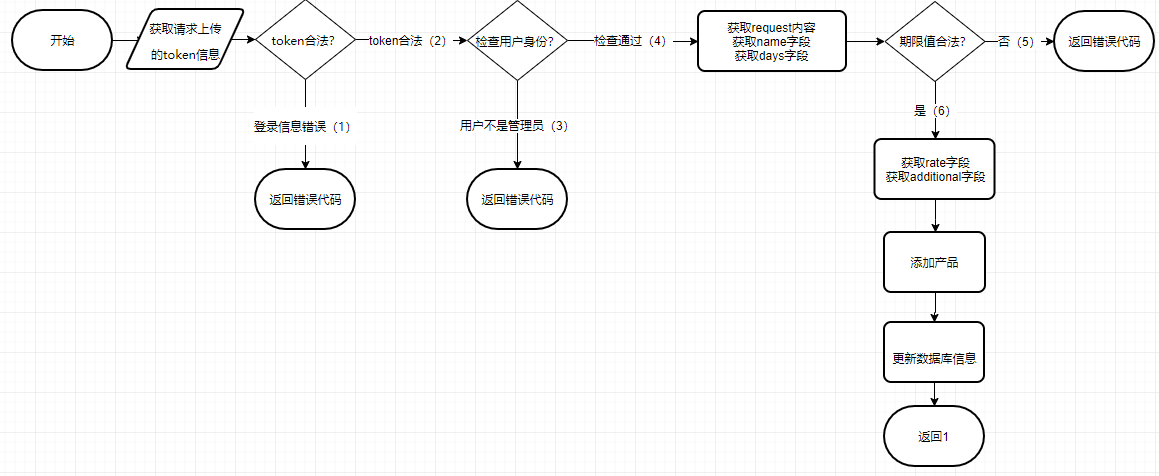
|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| - |
| 1 | - | {"msg":"Success","data":[……],"status":1} | - |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"rate":0.02,"additional":"{\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\"}","name":"高利贷套餐4","days":10,"id":18},{"rate":0.5,"additional":"{\"type\":\"短期\",\"return\":\"先息后本\",\"money\":\"1000\"}","name":"高利贷","days":10,"id":19},{"rate":0.05,"additional":"{\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\"}","name":"测试产品1","days":40,"id":21}],"status":1} | 通过 | 赵元鹏 | 2019/6/28 |

#### 添加产品（api/product/insertProduct）

流程图：



测试用例：

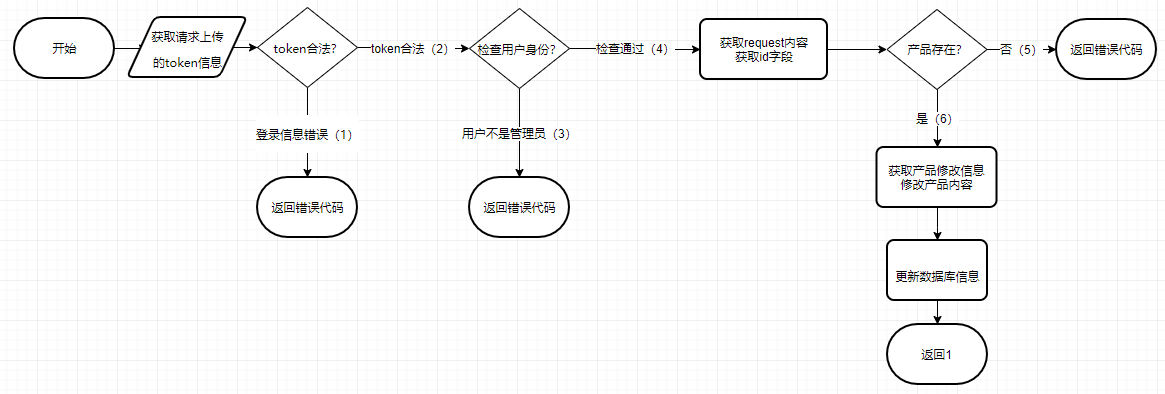
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | | | 预期输出 | 分支覆盖 |
| token | name | days | rate | additional |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 测试产品1 | 30 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | {"msg":"Success","data":……,"status":1} | 2，4，6 |
| 2 | null | 测试产品1 | 30 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 测试产品1 | 30 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | {"msg":"只有管理员才能添加产品","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 测试产品1 | 0 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | {"msg":"期限必须大于0天","status":0} | 2，4，5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":21,"status":1} | 通过 | 赵元鹏 | 2019/6/28 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/28 |
| 3 | {"msg":"只有管理员才能添加产品","status":0} | {"msg":"只有管理员才能添加产品","status":0} | 通过 | 赵元鹏 | 2019/6/28 |
| 4 | {"msg":"期限必须大于0天","status":0} | {"msg":"期限必须大于0天","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

#### 修改产品（api/product/updateProduct）

流程图：



测试用例：

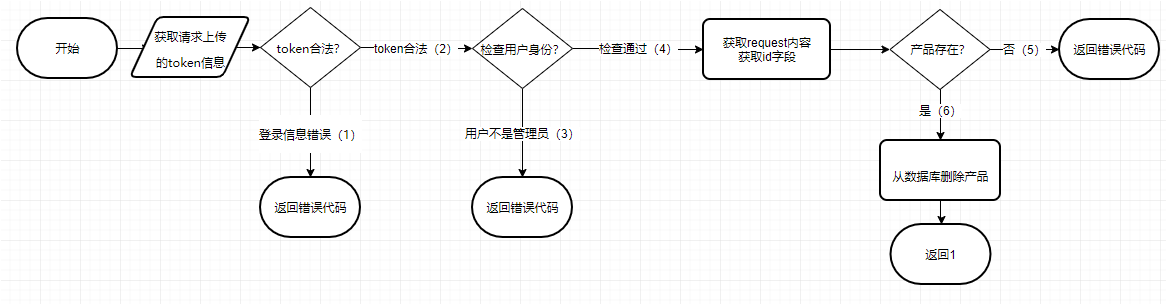
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | | | | 预期输出 | 分支覆盖 |
| token | id | name | days | rate | additional |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 21 | 测试产品1 | 40 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | {"msg":"Success","status":1} | 2，4，6 |
| 2 | null | 21 | 测试产品1 | 40 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 21 | 测试产品1 | 40 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | {"msg":"只有管理员才能修改产品","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | 测试产品1 | 40 | 0.05 | {\"type\":\"长期\",\"return\":\"先息后本\",\"money\":\"1000\" | {"msg":"没有此产品","status":0} | 2，4，5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/28 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/28 |
| 3 | {"msg":"只有管理员才能修改产品","status":0} | {"msg":"只有管理员才能修改产品","status":0} | 通过 | 赵元鹏 | 2019/6/28 |
| 4 | {"msg":"没有此产品","status":0} | {"msg":"没有此产品","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

#### 删除产品（api/product/deleteProduct）

流程图：



测试用例：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 22 | {"msg":"Success","status":1} | 2，4，6 |
| 2 | null | 22 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 22 | {"msg":"只有管理员才能删除产品","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | {"msg":"没有此产品","status":0} | 2，4，5 |

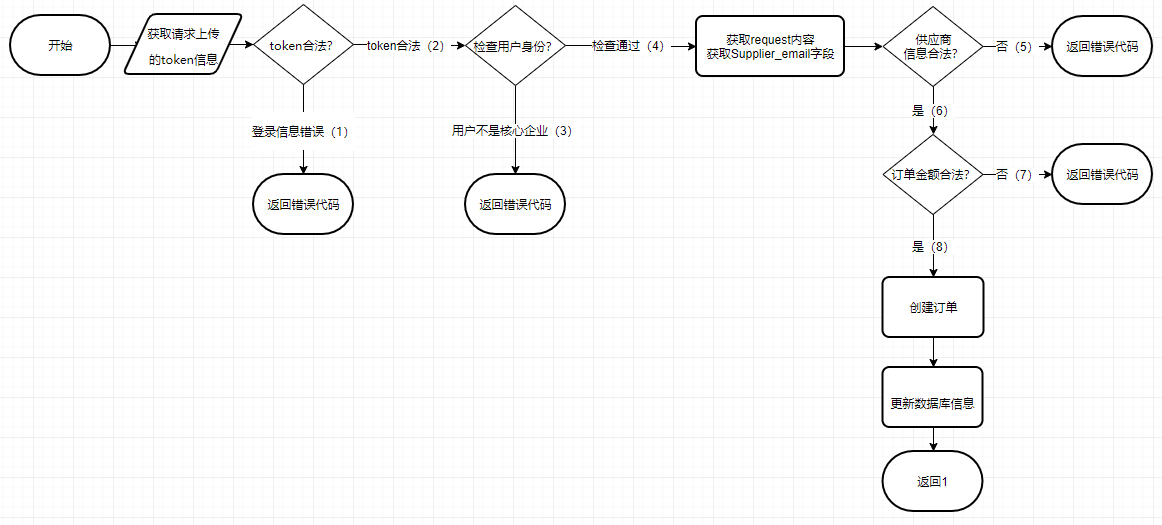
测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/28 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/28 |
| 3 | {"msg":"只有管理员才能删除产品","status":0} | {"msg":"只有管理员才能删除产品","status":0} | 通过 | 赵元鹏 | 2019/6/28 |
| 4 | {"msg":"没有此产品","status":0} | {"msg":"没有此产品","status":0} | 通过 | 赵元鹏 | 2019/6/28 |

### 4.2.6 订单部分

#### 创建订单（api/order/createOrder）

流程图：



测试用例：

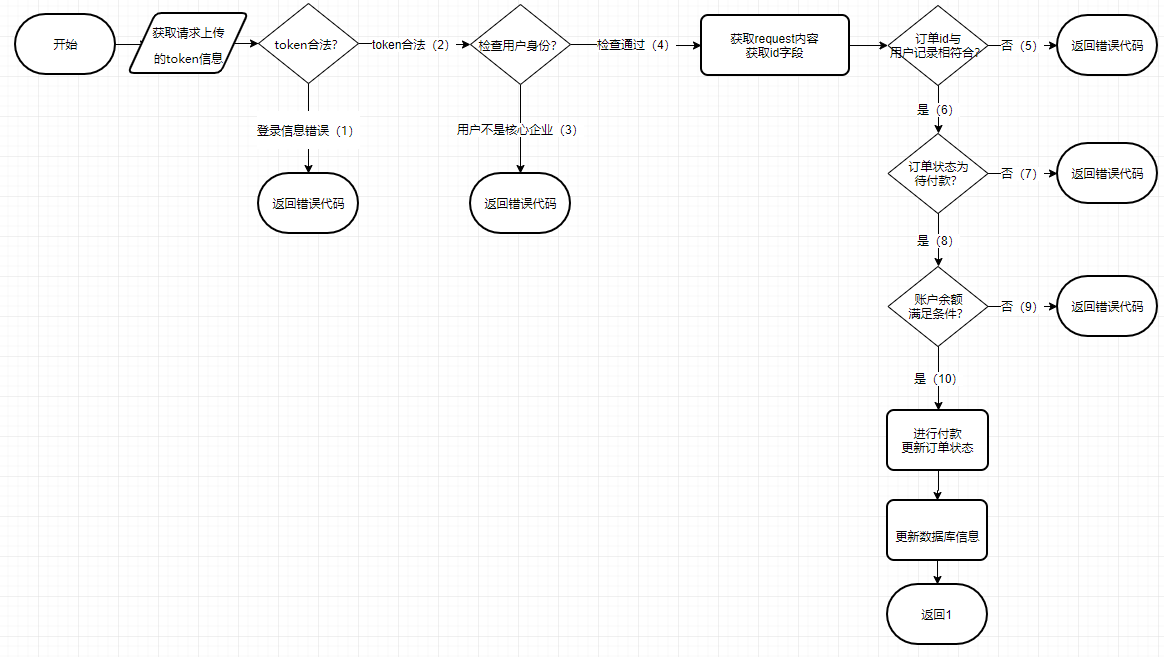
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | | | 预期输出 | 分支覆盖 |
| token | Supplier\_email | money | days | number |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | sup2@test | 123 | 15 | 1 | {"msg":"Success","data":……,"status":1} | 2，4，6，8 |
| 2 | null | sup2@test | 123 | 15 | 1 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | sup2@test | 123 | 15 | 1 | {"msg":"必须由核心企业提交订单","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | null | 123 | 15 | 1 | {"msg":"供应商email不存在","status":0} | 2，4，5 |
| 5 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | [mny@test](mailto:mny@test) | 123 | 15 | 1 | {"msg":"供应商email身份不正确","status":0} | 2，4，5 |
| 6 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | sup2@test | 0 | 15 | 1 | {"msg":"金额必须大于0","status":0} | 2，4，6，7 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":……,"status":1} | {"msg":"Success","data":2,"status":1} | 通过 | 赵元鹏 | 2019/6/27 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/27 |
| 3 | {"msg":"必须由核心企业提交订单","status":0} | {"msg":"必须由核心企业提交订单","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 4 | {"msg":"供应商email不存在","status":0} | {"msg":"供应商email不存在","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 5 | {"msg":"供应商email身份不正确","status":0} | {"msg":"供应商email身份不正确","status":0} | 通过 | 赵元鹏 | 2019/6/27 |
| 6 | {"msg":"金额必须大于0","status":0} | {"msg":"金额必须大于0","status":0} | 通过 | 赵元鹏 | 2019/6/27 |

#### 订单付款（api/order/pay）

流程图：



测试用例：

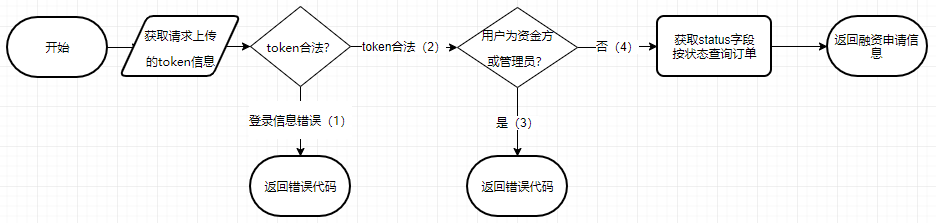
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 2 | {"msg":"Success","data":123,"status":1} | 2，4，6，8，10 |
| 2 | null | 2 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 2 | {"msg":"必须由核心企业付款","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 1 | {"msg":"您不存在该申请","status":0} | 2，4，5 |
| 5 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 4 | {"msg":"已经付款了","status":0} | 2，4，6，7 |
| 6 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 6 | {"msg":"账户余额不足","status":0} | 2，4，6，8，9 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":123,"status":1} | {"msg":"Success","data":123,"status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"必须由核心企业付款","status":0} | {"msg":"必须由核心企业付款","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"您不存在该申请","status":0} | {"msg":"您不存在该申请","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 5 | {"msg":"已经付款了","status":0} | {"msg":"已经付款了","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 6 | {"msg":"账户余额不足","status":0} | {"msg":"账户余额不足","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 按状态查看当前用户的订单（api/order/getOrderByUserAndStatus）

流程图：



测试用例：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | status |
| 1 | T4sUc/8aMvbw6PdvcDwxOzX/X9ONgetaAm/j6prq/9x40Z6lzq9ibo4U7HqwReg6T61GxQZdAgSoz9o6l81ewvb6F6UEfIoTB0sb+Cs/tgfYXo8G+YkBMpzGbBKIGCuqKd0Za6SE5AlS/PDoP3alwP8qGiC3zl29UJCs9aYrzIv7ZazhOUi8tU+MIKabcISQML8X1E5C7+pdH7/jx36wbV0GyXq56sg9/KBufQ0JbLyBDMBCZsiED2qsw6LisWYx | 0 | {"msg":"Success","data":[……],"status":1} | 2，4 |
| 2 | null | 0 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | {"msg":"管理员没有订单","status":0} | 2，3 |

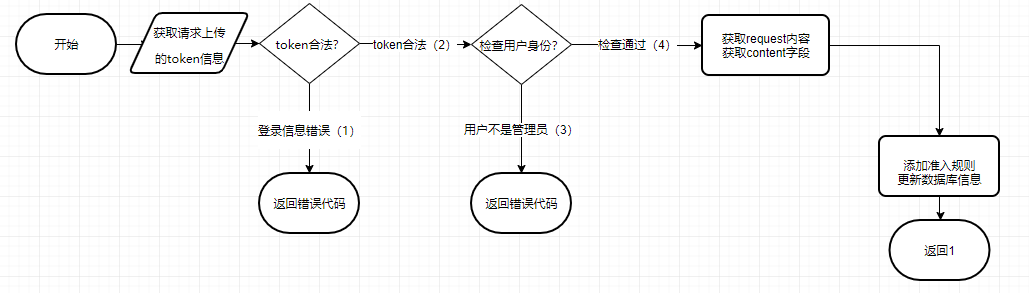
测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[{"number":0,"money":123,"CoreBusiness":{"role":"CoreBusiness","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"新名称","frozen":0,"id":1,"email":"TEST1@TEST.COM","autoPass":0},"createTime":"2019-06-29 12:19:02.0","days":15,"Supplier":{"role":"Supplier","additional":{"trust":"某机构","person":"某人","num":1234567890,"type":"普通营业执照","trust\_money":999999999},"name":"测试供应商2","frozen":0,"id":15,"email":"SUP2@TEST","autoPass":0},"id":2,"endTime":"2019-07-14 12:19:02.0","status":0}],"status":1} | {"msg":"Success","data":[……],"status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"管理员没有订单","status":0} | {"msg":"管理员没有订单","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

### 4.2.7 准入规则部分

#### 添加准入规则（api/access/insertAccessRule）

流程图：



测试用例：

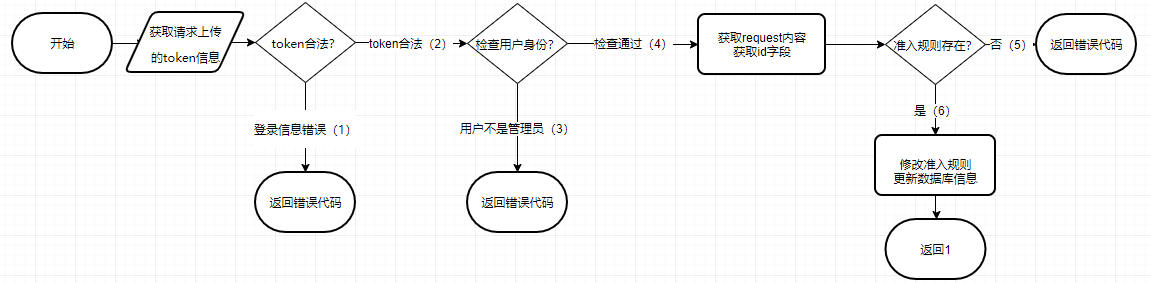
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | content |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 测试准入规则 | {"msg":"Success","data":……,"status":1} | 2，4 |
| 2 | null | 测试准入规则 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 测试准入规则 | {"msg":"只有管理员才能添加准入规则","status":0} | 2，3 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":8,"status":1} | {"msg":"Success","data":8,"status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"只有管理员才能添加准入规则","status":0} | {"msg":"只有管理员才能添加准入规则","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 修改准入规则（api/access/updateAccessRule）

流程图：



测试用例：

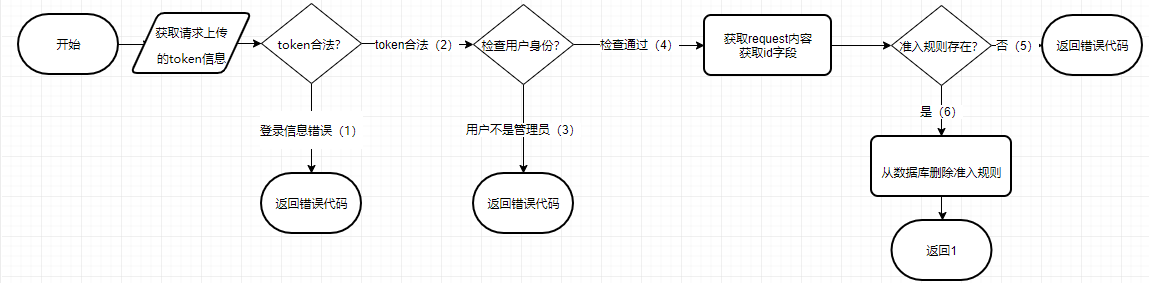
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | 预期输出 | 分支覆盖 |
| token | id | content |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 8 | 测试准入规则-修改 | {"msg":"Success","status":1} | 2，4，6 |
| 2 | null | 8 | 测试准入规则-修改 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 8 | 测试准入规则-修改 | {"msg":"只有管理员才能修改准入规则","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | 测试准入规则-修改 | {"msg":"不存在该规则","status":0} | 2，4，5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"只有管理员才能修改准入规则","status":0} | {"msg":"只有管理员才能修改准入规则","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"不存在该规则","status":0} | {"msg":"不存在该规则","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 删除准入规则（api/access/deleteAccessRule）

流程图：



测试用例：

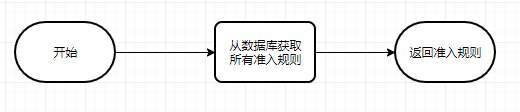
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | 预期输出 | 分支覆盖 |
| token | id |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 9 | {"msg":"Success","status":1} | 2，4，6 |
| 2 | null | 8 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 8 | {"msg":"只有管理员才能删除准入规则","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | {"msg":"不存在该规则","status":0} | 2，4，5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"只有管理员才能删除准入规则","status":0} | {"msg":"只有管理员才能删除准入规则","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"不存在该规则","status":0} | {"msg":"不存在该规则","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 获取所有准入规则（api/access/getAllAccessRules）

流程图：



测试用例：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 输入数据 | 预期输出 | 分支覆盖 |
| - |
| 1 | - | {"msg":"Success","data":[……],"status":1} | - |

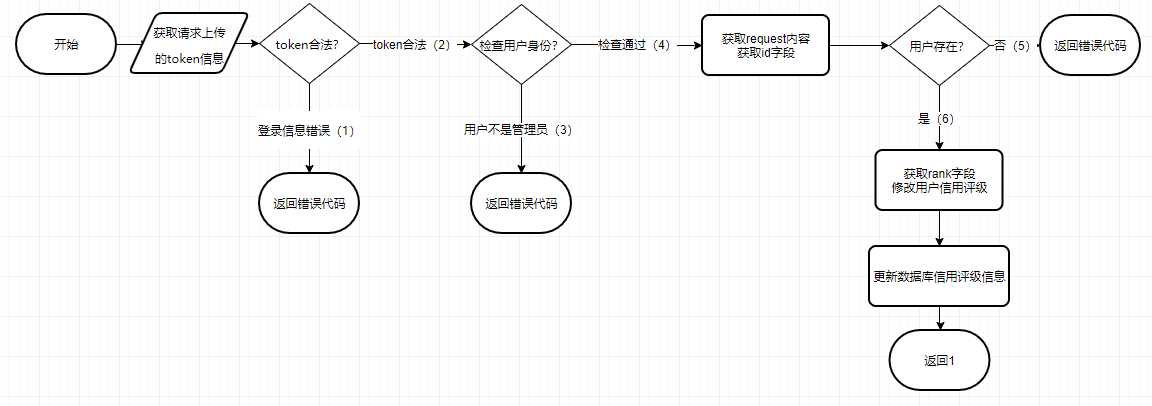
测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","data":[……],"status":1} | {"msg":"Success","data":[{"id":5,"content":"测试啊啊啊"},{"id":8,"content":"测试准入规则-修改"}],"status":1} | 通过 | 赵元鹏 | 2019/6/29 |

### 4.2.8 信用部分

#### 修改信用评级（api/credit/rank）

流程图：



测试用例：

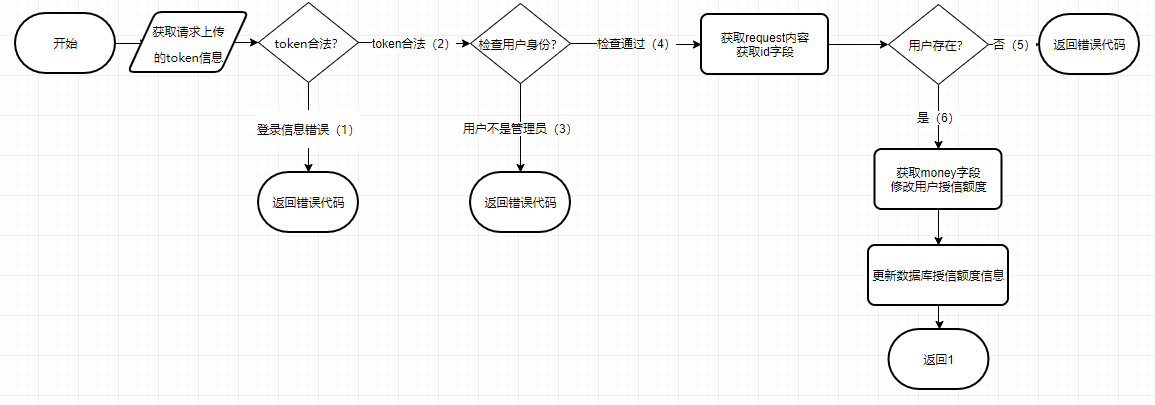
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | 预期输出 | 分支覆盖 |
| token | id | rank |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 15 | A | {"msg":"Success","status":1} | 2，4，6 |
| 2 | null | 15 | B | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 15 | B | {"msg":"只有管理员才能设置评级","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | A | {"msg":"该用户不存在","status":0} | 2，4，5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"只有管理员才能设置评级","status":0} | {"msg":"只有管理员才能设置评级","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"该用户不存在","status":0} | {"msg":"该用户不存在","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

#### 修改授信额度（api/credit/approve）

流程图：



测试用例：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 输入数据 | | | 预期输出 | 分支覆盖 |
| token | id | money |
| 1 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 15 | 100000000 | {"msg":"Success","status":1} | 2，4，6 |
| 2 | null | 15 | 110000000 | 无效token-500错误 | 1 |
| 3 | T4sUc/8aMvbw6PdvcDwxO5+XLr2nPhdFyUwrza8a7KN+OU7hF0lJwNqN3KxGr7vsb+P0A9Qpogy0TYG+kkkLbG27Q7N9/Ed3dJ49RAiwgoVEWhxVtyVxqh6hj41NVsMxOcmuVL4JyRrm6EzZROIRyZkgS99ipI9B+9TVIR+OhgZSfSOgXuMHDMeA1wsNeetJueROez5Z4FLDekyrCPXDInTgIUy9tyi9/1sSczSrzuHnCvt6M9RuleXVpGZwvbuzrum2SCzZ5+Oat2YKVbQg22Y6FMALnKcDj/b0FsPSQjGSL6ZnIuCAwBZIgx3P0+8fIKfQSWIB2PXQ+eqeXq90F581+7vcM82wM4ZKsHH0wK6g/Anakwf71IczGmHhwp0p | 15 | 110000000 | {"msg":"只有管理员才能设置限额","status":0} | 2，3 |
| 4 | T4sUc/8aMvbw6PdvcDwxO7vPRhmiYHYBeXmiMDnRffhiU1YAHb7fWaDCRk2wJMogLOMHciwre/Z5nqLXISBGgZMmp2BVib4tUQ1c1gUVvufeUloB5qkCRsIhkgk4gCoewHBydwjo7ye0UoQJVftNFfks6GMJkb3KRd09ZUEwpDp8jX00EIaoP9XGOocOPdq2L9MA/wTNlNICu/CtCHlRrqjUaJXqnyEHyzHjuxW6IYWmAUGMJoBpvjIcThrE5w3X | 0 | 110000000 | {"msg":"该用户不存在","status":0} | 2，4，5 |

测试结果记录：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 预期结果 | 实际结果 | 测试结果 | 测试人 | 测试时间 |
| 1 | {"msg":"Success","status":1} | {"msg":"Success","status":1} | 通过 | 赵元鹏 | 2019/6/29 |
| 2 | 无效token-500错误 | 无效token-500错误 | 通过 | 赵元鹏 | 2019/6/29 |
| 3 | {"msg":"只有管理员才能设置限额","status":0} | {"msg":"只有管理员才能设置限额","status":0} | 通过 | 赵元鹏 | 2019/6/29 |
| 4 | {"msg":"该用户不存在","status":0} | {"msg":"该用户不存在","status":0} | 通过 | 赵元鹏 | 2019/6/29 |

## 4.3集成测试

集成测试涉及系统五个模块的整合，故不在本报告中阐述。

## 4.4系统测试

集成测试涉及系统五个模块的整合，故不在本报告中阐述。

# 性能测试报告

经过测试，在Postman v7.2.0以及Google Chrome 74.0.3729.169环境下，接口方法的调用均未发生异常。

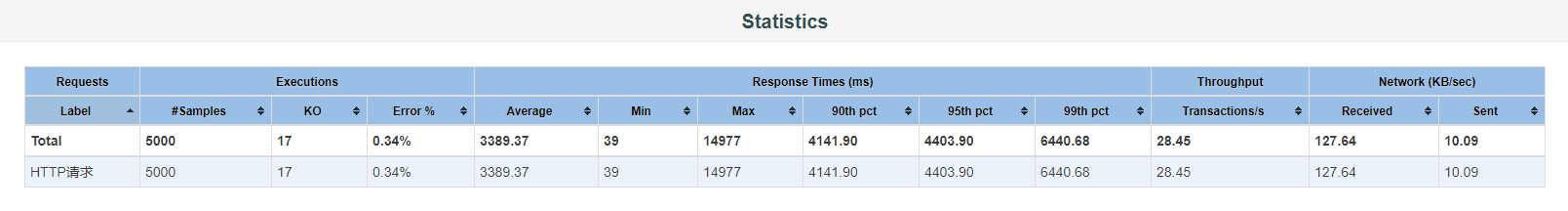
# 其他测试结果

## 6.1 压力测试

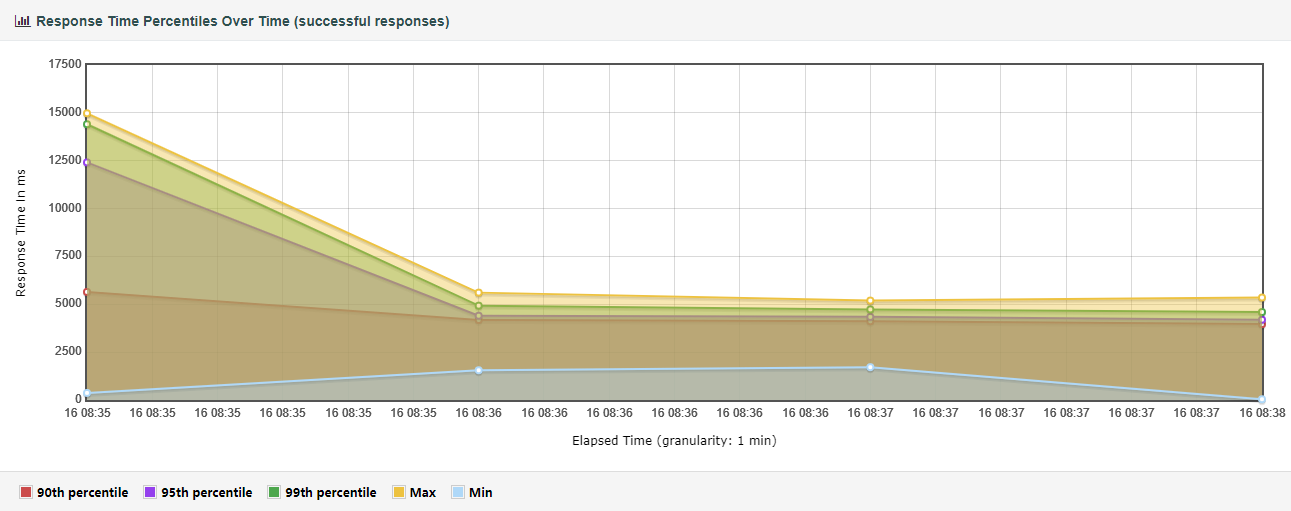
对本系统使用Jmeter 5.1.1进行API抽样压力测试，其统计结果如下所示：

6.1.1 /api/agreement/getAgreementByUser GET方法 查看所有和当前用户相关的合同

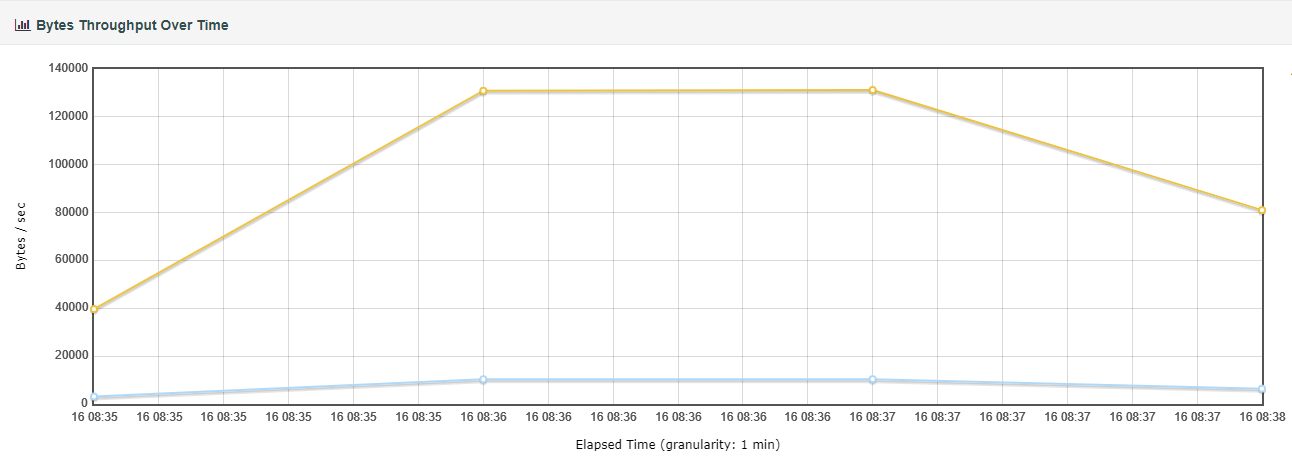
测试结果：



响应时间：

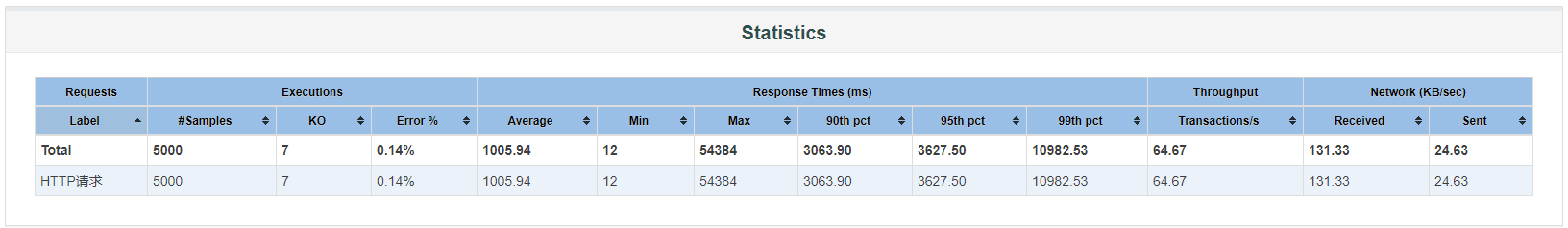


数据交互：

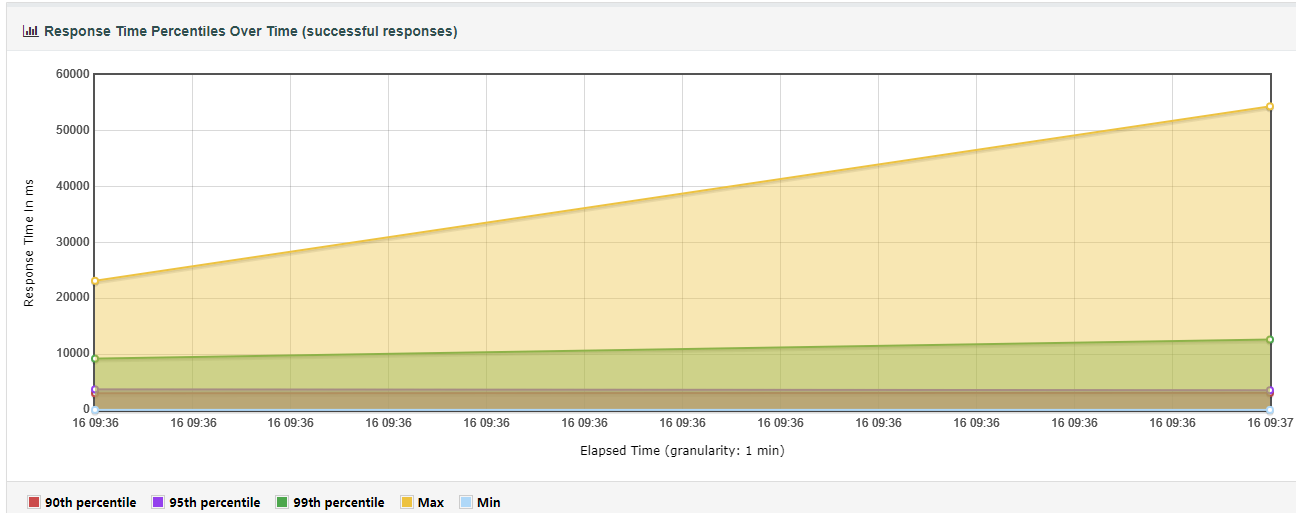


6.1.2 /api/account/recharge POST方法 充值

测试结果：



响应时间：



数据交互：



从上述抽样结果可以看出，在100个线程轮询下，系统仍能够维持在复杂数据库处理3000ms以下的响应时间，系统具备一定程度的抗压能力，预计服务器线程池最多可同时容纳约200个查询指令。

## 6.2 安全性测试

系统可防止错误信息、异常修改带来的不良后果：

1. 交易相关的至关重要的信息在区块链中加密存储
2. 信息插入前进行合法性检查
3. token采用AES加密保证传输中的安全性

## 6.3 可移植性测试

经测试，本模块可在配置好必要软件环境的Linux、Windows、MacOS系统下正常运行，对硬件配置要求不高。

# 不符合项列表

无

# 测试结果

测试完成时间：2019-6-29

测试地点：学生公寓

测试环境：多个开发者不同配置的设备

参与测试人员：赵元鹏、马广林

系统强项：稳定性较好，可移植性好，安全性较高

系统弱项：运行效率有待提升，主要是硬件太差的原因

不符合项的统计结果：无

组长签字：陈思言