**老司机车载广告投放系统APP端单元测试**

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1. 系统大概需求
2. 项目概述

老司机车载广告投放系统APP端是为车主提供精准广告投放的系统.该系统为车主活动提供了一个统一的APP电子平台.

1. 项目范围

老司机车载广告投放系统APP端适用于各色车辆,地图定位提供中国全国范围的支持

1. 功能简述

该系统功能分为两个部分.其一,车主通过注册登陆后进入主界面,可以提供个人信息与周边地图的详细信息显示;其二,APP通过定位将信息发送至服务器,服务器经过筛选选择出精准的广告投放类别,并在车主对应的LED显示屏上播放此条广告

1. 采用测试方法

- 保证所有的语句和分支呗覆盖

- 参考等价类划分方法

- 参考边界值分析方法

- 参考使用错误猜测方法

- 测试脚本使用Java语言实现

- 覆盖率分析使用Logicscrope工具

- 某函数的缺陷被修正后必须回归于该函数相关的所有单元测试用例

1. 测试环境
2. 硬件需求:

一台标准开发PC,一台测试用安卓手机或虚拟机

1. 软件需求

- 一套MacOS操作系统

- 一套Android Studio开发环境

- 一套Java SDK 8

1. AdsThread 模块

a)AdsThread 模块测试函数(方法)参考表

|  |  |  |
| --- | --- | --- |
| 标识符 | 名称 | 代码行(LOC) |
| LLD\_001\_FUN\_001 | private AdsInfo request() | 40 |
| LLD\_001\_FUN\_002 | private AdsInfo parseJson(String json) | 71 |

b)用例分析与设计

1)request测试分析与设计

标识符定义:UT\_TD\_001\_001

1)被测特性

- 无输入,返回JSON对象

- 构造函数输入错误的用户id时,返回正确的广告数据

- 构造函数输入错误的类型时,返回正确的一条广告

- 构造函数输入合法时,返回指定类型的一条广告

2)测试方法

-用户id参数的等价类划分仅考虑非空情况,划分为用户id存在与不存在两种情况.

-类型的等价类划分考虑空和非空情况,对于非空情况,可以划分为正确和不正确的类型

3)测试项标志

|  |  |  |
| --- | --- | --- |
| 测试项标识符 | 测试项描述 | 优先级 |
| UT\_TC\_001\_001\_001 | 输入用户id不存在 | 中 |
| UT\_TC\_001\_001\_002 | 不输入类型 | 低 |
| UT\_TC\_001\_001\_003 | 输入错误类型 | 高 |
| UT\_TC\_001\_001\_004 | 输入合法的情况 | 高 |

4)测试通过\失败标准

所有的用例都必须被执行,且没有发现错误

5)对应用例:

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_001\_001 | |
| 优先级 | 中 | |
| 测试项描述 | 测试输入用户id不存在的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | id=2000  types=”道路附属设施” | {"errno":0,"errmsg":"","data":非空JSON} |
| 002 | id=-1  types=”道路附属设施” | {"errno":0,"errmsg":"","data":非空JSON} |
| 003 | id=1.5  types=”道路附属设施” | {"errno":0,"errmsg":"","data":非空JSON} |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_001\_002 | |
| 优先级 | 低 | |
| 测试项描述 | 不输入类型 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | id=2000  types=”” | {"errno":0,"errmsg":"","data":非空JSON} |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_001\_003 | |
| 优先级 | 高 | |
| 测试项描述 | 输入错误类型 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | id=2000  types=”testWrongType” | {"errno":0,"errmsg":"","data":非空JSON} |
| 002 | id=”2000”  types=100 | {"errno":0,"errmsg":"","data":非空JSON} |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_001\_004 | |
| 优先级 | 高 | |
| 测试项描述 | 输入合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | id=19  types=”科教文化服务” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”科教文化服务”字段} |
| 002 | id=19  types=”医疗保健服务” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”医疗保健服务”字段} |
| 003 | id=19  types=”购物服务” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”购物服务”字段} |
| 004 | id=19  types=”餐饮服务” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”餐饮服务”字段} |
| 005 | id=19  types=”汽车服务” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”汽车服务”字段} |
| 006 | id=19  types=”风景名胜” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”风景名胜”字段} |
| 007 | id=19  types=”公司企业” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”公司企业”字段} |
| 008 | id=19  types=”生活服务” | {"errno":0,"errmsg":"","data":非空JSON,其中包含”生活服务”字段} |

2)parseJson测试分析与设计

标识符定义:UT\_TD\_001\_002

1)被测特性

- 输入JSON为空时,解析失败

- 输入JSON非空但不符合约定格式时,解析失败

- 输入JSON合法时,解析成功

2)测试方法

输入参数考虑非空与空两种情况,非空时划分为合法和不合法格式

3)测试项标志

|  |  |  |
| --- | --- | --- |
| 测试项标志 | 测试项描述 | 优先级 |
| UT\_TC\_001\_002\_001 | 输入参数为空的情况 | 低 |
| UT\_TC\_001\_002\_002 | 输入参数不合法的情况 | 中 |
| UT\_TC\_001\_002\_003 | 输入参数合法的情况 | 高 |

4)测试通过\失败标准

所有的用例都必须被执行,且没有发现错误

5)对应用例:

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_002\_001 | |
| 优先级 | 低 | |
| 测试项描述 | 输入参数为空的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | json= | Throw error |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_002\_002 | |
| 优先级 | 中 | |
| 测试项描述 | 输入参数不合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | json=”{“err”:0}” | Throw error |
| 002 | json=-1 | Throw error |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TC\_001\_002\_003 | |
| 优先级 | 高 | |
| 测试项描述 | 输入参数合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | json={"errno":0,"errmsg":"","data":{"id":9,"create\_time":"2016-04-25T04:00:48.000Z","update\_time":"2016-04-25T04:00:48.000Z","price":"5000","start\_time":"2016-04-12T16:00:00.000Z","end\_time":"2016-04-14T16:00:00.000Z","advertiser\_id":8,"content":"[科教] 挖掘机技术哪家强,中国上海","play\_times":0,"remain\_times":84,"regions":"科教文化服务","level":"b","title":"南翔"}} | AdsInfo实体类 |

1. LoginThread模块

a)LoginThread模块测试函数(方法)参考表

|  |  |  |
| --- | --- | --- |
| 标识符 | 名称 | 代码行(LOC) |
| LLD\_001\_FUN\_001 | private UserInfo request() | 38 |
| LLD\_001\_FUN\_002 | private UserInfo parseJson(String json,onResponseListener listener) | 71 |

b)用例分析与设计

1)request测试分析与设计

标识符定义:UT\_TD\_002\_001

1)被测特性

- 无输入,返回JSON对象

- 构造函数输入错误的用户邮箱时,返回JSON中data为空

- 构造函数输入错误的密码时,返回JSON中data为空

- 构造函数输入合法时,返回JSON中data不为空

2)测试方法

-用户id参数的等价类划分仅考虑非空情况,划分为用户id存在与不存在两种情况.

-类型的等价类划分考虑空和非空情况,对于非空情况,可以划分为正确和不正确的类型

3)测试项标志

|  |  |  |
| --- | --- | --- |
| 测试项标志 | 测试项描述 | 优先级 |
| UT\_TD\_002\_001\_001 | 输入为空的情况 | 低 |
| UT\_TD\_002\_001\_002 | 输入不合法的情况 | 中 |
| UT\_TD\_002\_001\_003 | 输入参数合法的情况 | 高 |

4)测试通过\失败标准

所有的用例都必须被执行,且没有发现错误

5)对应用例:

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_002\_001\_001 | |
| 优先级 | 低 | |
| 测试项描述 | 输入参数为空的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | email=  pwd=123456 | 返回JSON中data为空 |
| 002 | email=abc@qq.com  pwd= | 返回JSON中data为空 |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_002\_001\_002 | |
| 优先级 | 中 | |
| 测试项描述 | 输入错误的参数时 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | email=wwwww  pwd=123456 | 返回JSON中data为空 |
| 002 | email=abc@qq.com  pwd=123456ww | 返回JSON中data为空 |
| 003 | email=”abc@qq.com”  pwd=123456ww | 返回JSON中data为空 |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_002\_001\_003 | |
| 优先级 | 高 | |
| 测试项描述 | 输入参数合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | email=abc@qq.com  pwd=123456 | UserInfo实体类 |

2)parseJson测试分析与设计

标识符定义:UT\_TD\_002\_002

1)被测特性

- 用户不输入各参数,不抛出错误

- 用户输入各参数格式不正确,报出格式错误

- 用户输入正确的参数,成功解析

2)测试方法

邮箱与密码的等价类划分考虑空和非空情况,非空情况下,邮箱划分为不符合格式与符合两种格式

3)测试项标志

|  |  |  |
| --- | --- | --- |
| 测试项标志 | 测试项描述 | 优先级 |
| UT\_TD\_003\_001\_001 | 输入为空的情况 | 低 |
| UT\_TD\_003\_001\_002 | 输入不合法的情况 | 中 |
| UT\_TD\_003\_001\_003 | 输入参数合法的情况 | 高 |

4)测试通过\失败标准

所有的用例都必须被执行,且没有发现错误

5)对应用例:

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_001\_001 | |
| 优先级 | 低 | |
| 测试项描述 | 输入参数为空的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | {} | 抛出JSONException |
| 002 | {"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 003 | {"errno":0,"data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 004 | {"errno":0,"errmsg":""} | 抛出JSONException |
| 005 | {"errno":0,"errmsg":"","data":{"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 006 | {"errno":0,"errmsg":"","data":{"id":11,"password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 007 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 008 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 009 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 010 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 011 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 012 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 013 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 014 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 015 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"current\_ad\_id":3}} | 抛出JSONException |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_001\_002 | |
| 优先级 | 中 | |
| 测试项描述 | 输入错误的参数时 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | {"errno":’0’,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 002 | {"errno":0,"errmsg":1,"data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 003 | {"errno":0,"errmsg":"","data":0} | 抛出JSONException |
| 004 | {"errno":0,"errmsg":"","data":{"id":’11’,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 005 | {"errno":0,"errmsg":"","data":{"id":11,"name":666,"password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 006 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":123456,"email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 007 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":123,"phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 008 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":110,"car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 009 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":666666,"identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 010 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":1,"real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 011 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":123,"alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 012 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":123,"car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 013 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":1239999,"car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 抛出JSONException |
| 014 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":"13.1402","current\_ad\_id":3}} | 抛出JSONException |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_001\_003 | |
| 优先级 | 高 | |
| 测试项描述 | 输入参数合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | {"errno":0,"errmsg":"","data":{"id":11,"name":"666","password":"123456","email":"abc@qq.com","phone":"110","car\_travel\_code":"666666","identity\_number":"1","real\_name":"hahaha","alipay":"123","car\_code":"1239999","car\_image":null,"earnings":13.1402,"current\_ad\_id":3}} | 成功解析 |

1. RegistThread模块

a)RegistThread模块测试函数(方法)参考表

|  |  |  |
| --- | --- | --- |
| 标识符 | 名称 | 代码行(LOC) |
| LLD\_001\_FUN\_001 | private void parseJson(String json) | 92 |
| LLD\_001\_FUN\_002 | private void request() | 49 |

b)用例分析与设计

1)parseJson测试分析与设计

标识符定义:UT\_TD\_003\_001

1)被测特性

- 用户不输入邮箱或密码,不抛出错误

- 用户输入格式不正确的邮箱,报出格式错误

- 用户输入正确的参数,不抛出错误

2)测试方法

邮箱与密码的等价类划分考虑空和非空情况,非空情况下,邮箱划分为不符合格式与符合两种格式

3)测试项标志

|  |  |  |
| --- | --- | --- |
| 测试项标志 | 测试项描述 | 优先级 |
| UT\_TD\_003\_001\_001 | 输入为空的情况 | 低 |
| UT\_TD\_003\_001\_002 | 输入不合法的情况 | 中 |
| UT\_TD\_003\_001\_003 | 输入参数合法的情况 | 高 |

4)测试通过\失败标准

所有的用例都必须被执行,且没有发现错误

5)对应用例:

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_001\_001 | |
| 优先级 | 低 | |
| 测试项描述 | 输入参数为空的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | {} | 抛出JSONException |
| 002 | {’errmsg’:’123’,’data’:{‘type’=’add’}} | 抛出JSONException |
| 003 | {‘errno’:10,’data’:{‘type’=’add’}} | 抛出JSONException |
| 004 | {‘errno’:10,’errmsg’:’123’} | 抛出JSONException |
| 005 | {‘errno’:10,’errmsg’:’123’,’data’:{}} | 抛出JSONException |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_001\_002 | |
| 优先级 | 中 | |
| 测试项描述 | 输入错误的参数时 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | {‘errno’:’10’’,’errmsg’:’123’,’data’:{‘type’=’add’}} | 抛出JSONException |
| 002 | {‘errno’:10,’errmsg’:123,’data’:{‘type’=’add’}} | 抛出JSONException |
| 003 | {‘errno’:10,’errmsg’:’123’,’data’:123} | 抛出JSONException |
| 004 | {‘errno’:10,’errmsg’:’123’,’data’:{‘type’=123}} | 调用onfailure方法 |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_001\_003 | |
| 优先级 | 高 | |
| 测试项描述 | 输入参数合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | {‘errno’:10,’errmsg’:’123’,’data’:{‘type’=’add’}} | 成功解析 |

2)request测试分析与设计

标识符定义:UT\_TD\_003\_002

1)被测特性

- 用户不输入参数,注册失败

- 用户输入已经存在的邮箱,注册失败

- 用户输入正确的参数,注册成功

2)测试方法

邮箱与密码的等价类划分考虑空和非空情况,非空情况下,邮箱划分为不符合格式与符合两种格式,其他参数仅考虑单个非空情况

3)测试项标志

|  |  |  |
| --- | --- | --- |
| 测试项标志 | 测试项描述 | 优先级 |
| UT\_TD\_003\_002\_001 | 输入为空的情况 | 低 |
| UT\_TD\_003\_002\_002 | 输入不合法的情况 | 中 |
| UT\_TD\_003\_002\_003 | 输入参数合法的情况 | 高 |

4)测试通过\失败标准

所有的用例都必须被执行,且没有发现错误

5)对应用例:

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_002\_001 | |
| 优先级 | 低 | |
| 测试项描述 | 输入参数为空的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | username=  password=  email=  realname=  phone=  carTravelCode=  carNum= | 注册失败,调用onfailure方法 |
| 002 | username=123  password=  email=59999@qq.com  realname=123  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 注册失败,调用onfailure方法 |
| 003 | username=123  password=123  email=  realname=123  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 注册失败,调用onfailure方法 |
| 004 | username=123  password=123  email=59999@qq.com  realname=  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 注册失败,调用onfailure方法 |
| 005 | username=123  password=123  email=59999@qq.com  realname=123  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 注册失败,调用onfailure方法 |
| 006 | username=123  password=123  email=59999@qq.com  realname=123  phone=  carTravelCode=0000000  carNum=0000000 | 注册失败,发出code为1的消息 |
| 007 | username=123  password=123  email=59999@qq.com  realname=123  phone=13568682711  carTravelCode=  carNum=0000000 | 注册失败,调用onfailure方法 |
| 008 | username=123  password=123  email=59999@qq.com  realname=123  phone=13568682711  carTravelCode=0000000  carNum= | 注册失败,调用onfailure方法 |
| 009 | username=  password=123  email=59999@qq.com  realname=123  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 注册失败,调用onfailure方法 |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_002\_002 | |
| 优先级 | 低 | |
| 测试项描述 | 输入参数不合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 002 | username=123  password=123123  email=abc@qq.com  realname=123  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 注册失败,调用onfailure方法 |

|  |  |  |
| --- | --- | --- |
| 测试项编号 | UT\_TD\_003\_002\_003 | |
| 优先级 | 高 | |
| 测试项描述 | 输入参数合法的情况 | |
| 前置条件 | 无 | |
| 用例序号 | 输入 | 期望结果 |
| 001 | username=123  password=123  email=59999@qq.com  realname=123  phone=13568682711  carTravelCode=0000000  carNum=0000000 | 成功注册,不调用onfailure方法 |

1. 测试脚本
2. 用例的执行及分析报告