**接 口 测 试 报 告**

# 版本变更记录

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **日期** | **版本** | **作者/修改者** | **描述** | **审核人** |
| 2020-07-27 |  |  | 创建 |  |
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目录

**[01系统接口概况](#_Toc12316_WPSOffice_Level1)** **[3](#_Toc12316_WPSOffice_Level1)**

**[02测试目的与范围](#_Toc29849_WPSOffice_Level1)** **[3](#_Toc29849_WPSOffice_Level1)**

[测试目的](#_Toc6432_WPSOffice_Level2) [3](#_Toc6432_WPSOffice_Level2)

[测试对象范围（测试用例设计）](#_Toc25860_WPSOffice_Level2) [3](#_Toc25860_WPSOffice_Level2)

[测试指标范围](#_Toc26269_WPSOffice_Level2) [4](#_Toc26269_WPSOffice_Level2)

**[03测试工具及资源](#_Toc15600_WPSOffice_Level1)** **[4](#_Toc15600_WPSOffice_Level1)**

[测试工具](#_Toc18383_WPSOffice_Level2) [4](#_Toc18383_WPSOffice_Level2)

[辅助工具](#_Toc24609_WPSOffice_Level2) [5](#_Toc24609_WPSOffice_Level2)

[测试资源](#_Toc1295_WPSOffice_Level2) [5](#_Toc1295_WPSOffice_Level2)

**[04测试记录及结果分析](#_Toc17031_WPSOffice_Level1)** **[5](#_Toc17031_WPSOffice_Level1)**

[单场景接口测试](#_Toc25480_WPSOffice_Level2) [5](#_Toc25480_WPSOffice_Level2)

[混合场景接口测试](#_Toc6583_WPSOffice_Level2) [6](#_Toc6583_WPSOffice_Level2)

**[05 测试结论](#_Toc31561_WPSOffice_Level1)** **[6](#_Toc31561_WPSOffice_Level1)**

# 01系统接口概况

简要描述与测试项目相关的一些背景资料，如被测系统简介，项目上线计划等。

　　对于系统接口的定义和设计做出介绍。

　　比如系统一共有多少个接口？采用哪种协议？都涉及到哪些发送方法？采用怎样的请求格式？使用怎样的返回标准？可用表格说明。

# 02测试目的与范围

描述本次接口测试的目的、范围与目标，内容应与本次接口测试的《接口测试实施方案》中的对应内容保持一致。

### 测试目的

本测试报告的具体编写目的，指出预期的读者范围。

　　实例：本测试报告为XXX项目的测试报告，目的在于总结测试阶段的测试以及分析测试结果，描述系统是否符合需求（或达到XXX功能目标）。预期参考人员包括用户、测试人员、、开发人员、项目管理者、其他质量管理人员和需要阅读本报告的高层经理。

本次测试的目的在于确保系统接口功能和逻辑处理已验证，符合《接口定义说明书》的定义和要求，满足系统需要。

### 测试对象范围（测试用例设计）

简要介绍[测试用例](https://baike.baidu.com/item/%E6%B5%8B%E8%AF%95%E7%94%A8%E4%BE%8B" \t "https://www.cnblogs.com/du-hong/p/_blank)的设计方法。例如：等价类划分、边界值、因果图，以及用这类方法(3-4句)。

　　提示：如果能够具体对设计进行说明，在其他开发人员、测试经理阅读的时候就容易对你的用例设计有个整体的概念，顺便说一句，在这里写上一些非常规的设计方法也是有利的，至少在没有看到测试结论之前就可以了解到测试经理的设计技术，重点测试部分一定要保证有两种以上不同的用例设计方法。

　　说明测试的对象是哪些

* 单场景接口功能测试
* 混合场景接口功能测试

详见《项目接口测试用例》可考虑贴出x-mind图

### 测试指标范围

* 被测接口接收请求和返回报文
* 被测接口返回状态
* 被测接口对应业务逻辑处理
* 涉及数据沉淀的处理
* 复杂场景下多接口串联交互

# 03测试工具及资源

简要介绍测试中采用的方法(和工具)。

　　提示：主要是[黑盒测试](https://baike.baidu.com/item/%E9%BB%91%E7%9B%92%E6%B5%8B%E8%AF%95" \t "https://www.cnblogs.com/du-hong/p/_blank)，测试方法可以写上测试的重点和采用的测试模式，这样可以一目了然的知道是否遗漏了重要的测试点和关键块。工具为可选项，当使用到测试工具和相关工具时，要说明。注意要注明是自产还是厂商，版本号多少，在测试报告发布后要避免大多工具的版权问题。

### 测试工具

说明本次测试使用到的测试工具和辅助工具

测试工具：该测试将使用Postman（例）

Postman是谷歌的一款接口测试插件，它使用简单，支持用例管理，支持get、 post、文件上传、响应验证、变量管理、环境参数管理等功能，可以批量运 行，并支持用例导出、导入。

### 辅助工具

略

### 测试资源

|  |  |  |
| --- | --- | --- |
| **组** | **成员** | **职责** |
|
| 总负责 | 张三 | 各组间工作协调，方案评审 |
| *测试组* | *李四* | 需求分析、测试方案编写、脚本编写，执行测试以及编写测试报告 |
|  |  |  |

# 04测试记录及结果分析

### 单场景接口测试

#### 测试结果数据

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **用例编号** | **场景描述** | **被测接口** | **测试结果** | **备注** |
| 1 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 2 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 3 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 4 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 5 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 6 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 7 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 8 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 9 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 10 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 11 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 12 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 13 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 14 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 15 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 16 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 17 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 18 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 19 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 20 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 21 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 22 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 23 | 修改 | scm/AppBase/BaseUpdate | 通过 |  |
| 24 | 删除 | scm/AppBase/BaseDelete | 通过 |  |
| 25 | 新增 | scm/AppBase/BaseInsert | 通过 |  |
| 26 | 查询 | scm/AppBase/BaseQuery | 通过 |  |
| 27 | 查询供应商产品价格明细 | scm/AppSupplier/SupplierSpecPriQuery | 通过 |  |
| 28 | 查询供应商产品价格版本 | scm/AppSupplier/SupplierSpecVerQuery | 通过 |  |
| 29 | 查询供应商产品信息 | scm/AppSupplier/SupplierMaterialQuery | 通过 |  |
| 30 | 查询供应商产品规格 | scm/AppSupplier/SupplierSpecQuery | 通过 |  |
| 31 | 查询供应商联系人 | scm/AppSupplier/SupplierContactQuery | 通过 |  |
| 32 | 查询供应商财务信息 | scm/AppSupplier/SupplierFinanceQuery | 通过 |  |
| 33 | 查询字典 | scm/AppBase/GetDictionary | 通过 |  |
| 34 | 查询采购订单合同 | scm/AppSupplier/PurcaseContractQuery | 通过 |  |
| 35 | 查询采购订单详情 | scm/AppSupplier/PurchaseOrderQuery | 通过 |  |
| 36 | 采购订单确认 | scm/AppSupplier/PurchaseConfirm | 通过 |  |
| 37 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 38 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 39 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 40 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 41 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 42 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 43 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 44 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 45 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 46 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 失败 |  |
| 47 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 48 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 49 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 50 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 51 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 52 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 53 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 54 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
| 55 | C:\Users\huangsiyuan\AppData\Local\Programs\Python\Python37\lib\site-packages\urllib3\connectionpool.py:851: InsecureRequestWarning: Unverified HTTPS request is being made. Adding certificate verification is strongly advised. See: https://urllib3.readthedocs.io/en/latest/advanced-usage.html#ssl-warnings | InsecureRequestWarning) | 通过 |  |
|  |  |  |  |  |
|  |  |  |  |  |

#### 测试问题及结果分析

结合测试中发现的问题对于整体测试结果进行分析，做出判断。

* 接口业务功能错误类缺陷情况
* 接口异常处理类缺陷情况
* 接口处理数据沉淀缺陷类情况
* 接口安全性缺陷情况

### 混合场景接口测试

#### 测试结果数据

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **用例编号** | **场景描述** | **被测接口** | **测试结果** | **备注** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

#### 测试问题及结果分析

结合测试中发现的问题对于整体测试结果进行分析，做出判断。

混合接口业务功能错误类缺陷情况

混合接口业务数据传递类缺陷情况

# 05 测试结论

给出本次性能测试的测试总结论，一般以测试结果与测试目标的比较结果作为测试结论。

1． 测试执行是否充分（可以增加对安全性、可靠性、可维护性和功能性描述）

2． 对测试风险的控制措施和成效

3． 测试目标是否完成

4． 测试是否通过

5． 是否可以进入下一阶段项目目标