**ReadMe:**

**Automation Set up :**
Have implemented automation test set using robotframework with httpLibrary for Api Automation testing Appimlibrary for Android automation testing.
Have used single framework for both automation.

**Prerequisite:(open source)**

- require python 2.7 or 3.6 +
- pip
- robotframework 3.1.1
- robotframework-appiumlibrary 1.5.0.3
- robotframework-httplibrary 0.4.2
- robotframework-jsonlibrary 0.2
- robotframework-ride 1.7.3
- Download Appium server latest version

**Installation commands:**

- pip install robotframework
- pip install robotframework-appiumlibrary
- pip install robotframework-httplibrary
- pip install robotframework-jsonlibrary
- pip install robotframework-ride (editor for robot test cases / skip this to prefer intelliJ as current RIDE is bit buggy)

**Steps to execute:**

- Clone it from git(here)
- Open using ide ride/ intelliJ with robot plugin
- Cd Testsuite/ApiTest

Command:

- python -m robot.run ProductsApi.robot (to execute entire testsuite)
- python -m robot.run -t testcasename ProductsApi.robot (to execute particular test case)
- python -m robot.run ProductsApi.robot --includes <tagName>(can be executed using tags like 'smoke'/'service'/'products')

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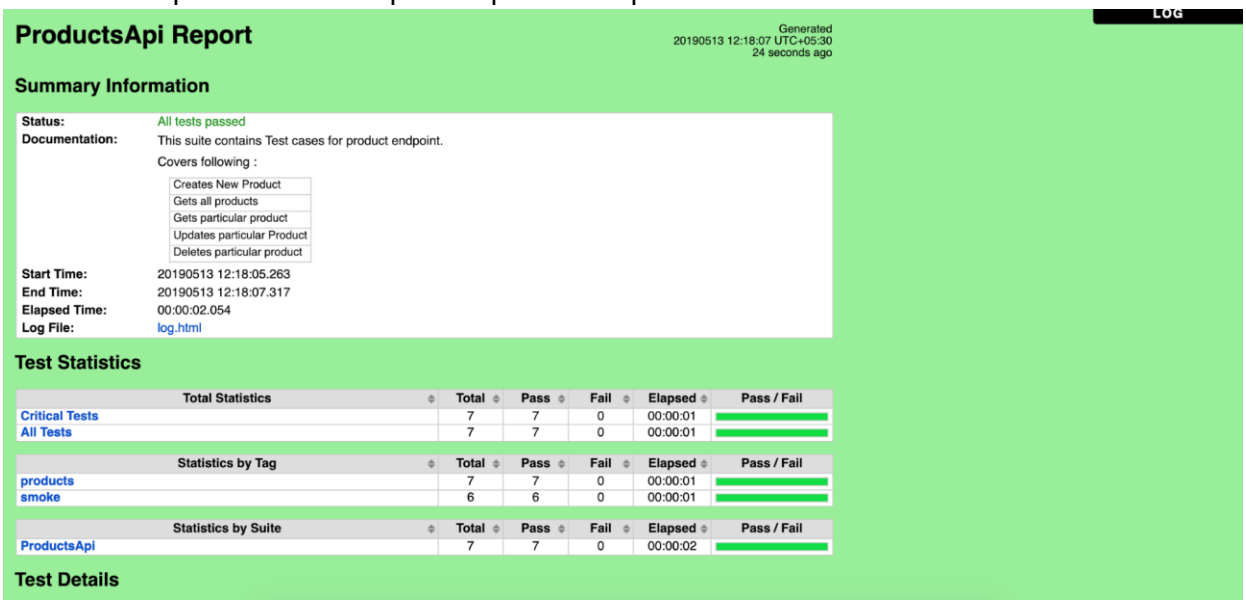
**Api Automation:**

- Have automated Products Api with different scenarios like 200, 210,400, 500 with validations along with version and health check api.
- Some more test cases can be added for detailed testing
- All the other apis can also be automated in same manner.

**Results/Reports/logs:**
Reports attached in results folder
Result files to be referred are Logs and Report files.

Find the sample of detailed report for products Api



## ProductsApi Report

Generated
20190513 12:18:07 UTC+05:30
24 seconds ago

### Summary Information

| | |
|---|---|
| **Status:** | All tests passed |
| **Documentation:** | This suite contains Test cases for product endpoint. |
| | Covers following : |
| | Creates New Product |
| | Gets all products |
| | Gets particular product |
| | Updates particular Product |
| | Deletes particular product |
| **Start Time:** | 20190513 12:18:05.263 |
| **End Time:** | 20190513 12:18:07.317 |
| **Elapsed Time:** | 00:00:02.054 |
| **Log File:** | log.html |

### Test Statistics

| Total Statistics | Total | Pass | Fail | Elapsed | Pass / Fail |
|---|---|---|---|---|---|
| Critical Tests | 7 | 7 | 0 | 00:00:01 | |
| All Tests | 7 | 7 | 0 | 00:00:01 | |

| Statistics by Tag | Total | Pass | Fail | Elapsed | Pass / Fail |
|---|---|---|---|---|---|
| products | 7 | 7 | 0 | 00:00:01 | |
| smoke | 6 | 6 | 0 | 00:00:01 | |

| Statistics by Suite | Total | Pass | Fail | Elapsed | Pass / Fail |
|---|---|---|---|---|---|
| ProductsApi | 7 | 7 | 0 | 00:00:02 | |

### Test Details

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**Android Automation:**

- Have automated only launch application and one single flow just for demo purpose
- More test cases can be added for detailed testing
- All the other cases can also be automated in same manner.

**Steps to follow**

Connect the android device with system

**USB execution:**

Check the device is connected

**$ adb devices**

**List of devices attached**

**xxxxxxxxx  device**

**Wireless execution:**

1.Both your adb host computer and Android device are on the same Wifi network.

2.Connect the Android device with the computer using your USB cable.\ You can check the attached devices with adb devices whereas ensure that adb is running in the USB mode by executing adb usb

**$ adb usb**

**restarting in USB mode**

3.Restart adb in tcpip mode with this command:

**$ adb tcpip 5556**

**Output: restarting in TCP mode port: 5556**

4.Find out the IP address of the Android device. There are several ways to do that:

- Go to Settings -> About phone/tablet -> Status -> IP address.
- Go to the list of Wi-fi networks available. The one to which you're connected, tap on that and get to know your IP.

**$ adb connect 192.168.0.102:5556**
**already connected to 192.168.0.102:5556**
**$ adb devices**
**List of devices attached**
**xxxxxxxxxx  device**
**192.168.0.102:5556  device**

5.Remove the USB cable and you should be connected to your device. If you don't see it in adb devices then just reconnect using the previous step's command:

**$ adb connect 192.168.0.102:5556**
**connected to 192.168.0.102:5556**
**$ adb devices**
**List of devices attached**
**192.168.0.102:5556  device**

**Steps to execute Android Automation.**

- Cd Testsuite/GnuCashtest

**Command:**

- python -m robot.run GnuCashtest.robot (to execute entire testsuite)
- python -m robot.run -t testcasename  GnuCashtest.robot (to execute particular test case)
- python -m robot.run  ProductsApi.robot --includes <tagName>(can be executed using tags like 'smoke'/'Android')

**Results/Reports/logs:**

Reports attached in results folder
Result files to be referred are Logs and Report files.
Find the sample of detailed report for Android Automation.