Python 版本: 3.7.4

Robot Framework ride: RIDE 1.7.3.1

Test case：PUMA -> SmokeTest -> autoworkflow 目录下： 请关注和实现Terminal和central print 相关的用例。其他的已经完成或者正在进行中：

Code 管理： code存放在\SVN\QA Team\PUMA\_RF\_Auto目录下。 目前关于代码如何进行多人整合还在计划中。后续可能还会根据需求进行调整。

项目管理：<https://trello.com/b/zct32H1F/puma-automation> 请使用私人邮箱注册账户，并加入到该项目中，我们后续的开发管理，会使用该看板系统。

被测试系统： PS 3100， server地址： 10.112.20.84,里面针对FILM和Report的OCR功能，做了初步的预设，如果有配置方面的更改，请通知团队的其他人员。

代码规范：**Code Standards**

The team make a code standards for design the automation script or application as follow:

1. The Python code should meets the requirement of PEP8. The detail information can refer the document with URL: <https://github.com/python/peps/blob/master/pep-0008.txt>
2. The feature of PS system should map to a python class. The detail operation should design as the method of the object.
3. All known parameter and variable value should design as the local file. These data type should design as Json.
4. All methods of object`s return data should be Jason type.
5. All assisted module, file, tool of one class should organize with one folder.
6. The self-define library should map to the feature in QC and name is begin with ‘PUMA’. Such as PUMA\_Patient\_Library.
7. The class method will be key words in library, the function name should begin with the class name. Such as ‘Patient\_create\_randomly’
8. There are should have document or function help content in the self-define library key words.
9. Every self-define function should add comments and sign developer name

红色的是需要自己安装的库，（eg: pip install datetime）

黑色是python标准库已经包含的，无需安装。（eg: Json 就不需要去通过pip install … 安装了）

PUMA 自动化代码依赖的库文件

**--所有库文件安装到系统级别上**

* Json
* datetime
* decimal
* pyodbc
* os
* subprocess
* glob
* time
* collections
* random
* requests
* beautifulsoup4
* re
* operator
* xmltodict
* suds-jurko
* win32api
* win32print
* uuid
* configparser
* sys
* shutil

其他依赖的软件或者设置

1. 需要预设两台terminal，名称和配置参照PS 10.112.20.84
2. Film 需要预设规则和设置，参照 PS 10.112.20.84
3. Report Service 需要预设规则，参照PS 10.112.20.84
4. 安装PDF Creator, 生成一个虚拟打印机PDFCreator,设置为默认打印机，其名称和配置参照 10.112.20.146
5. 在计算机上建一个PYTHONPATH系统变量，指向路径..\ RF\_PUMA\PUMA\Libs
6. 所有文本使用UTF-8的字符集

Q&A：答疑：

书籍： <https://item.jd.com/11993134.html>

Blog：<https://www.cnblogs.com/wanghao4023030/p/11417438.html>

Python + robot framework + ide pycharm

学习建议： parametersAndSettings –> patientlib->reportlibarary->filmlibrary->TermianlLibarary.

代码SVN：https://shgwp1065/svn/kiosk/documents/QA Team