spayee
Documentation

Description

- This documentation describes how to use automation testing suite to test spayee website as well as perform other tasks such as adding tests, removing tests, etc.

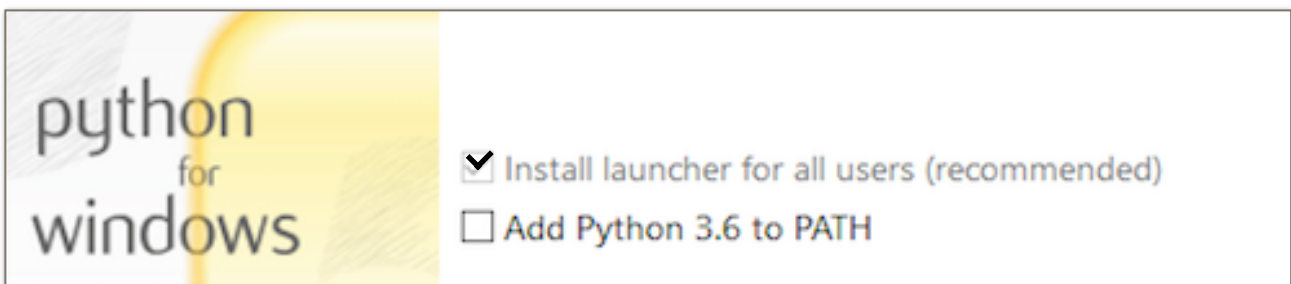## Prerequisites

- OS
    - Following operating systems can be used
        - Windows 10
        - MacOS Sierra 10.12.3 or later

- Browser
    - Google Chrome 59.0.3071.115 or later

- Language and Tools
    - Python 3.6.x

    - Selenium WebDriver for Chrome

    - Dependancies
        - Selenium package/Module for python (More information below)

Installing Python

- Download Python
    - For Windows 64 bit (Download here)
    - For Windows 32 bit (Download here)
    - For MacOS (Download here)

- Run the downloaded file (Click here in case of any problem)

NOTE - In windows, make sure to ***check*** the box 'Add Python 3.6 to PATH' which is prompted during Installation. Also make sure Python 2 is not installed in windows before installing Python 3 because that will create conflict. (Python 3 can be installed alongside python 2 but proceed only if you are familiar with command line working of python else uninstall python 2 first and then install python 3)
If installation prompts to increase the max-limit of path names then allow it.

Installing Selenium WebDriver

• Selenium installation is already included in this software.
  You can read about it <u>here</u>

Installing Dependancies

• The only dependancy here is <u>selenium module</u> which can be downloaded as follows:
  • Open terminal or cmd
  • In windows, type "**python -m pip install selenium**" without quotes and hit ENTER. In MacOS, replace **python** with **python3**
  • Wait for download to finish

NOTE - '**pip**' command will not work in windows if you didn't set the path to Python 3.6 as stated earlier

File structure

- Spayee Test Automation
    - Student
        - <Test1> {py3}
        - <Test2> {py3}
        - <Test3> {py3}

            .
            .
            .

    - Report
        - <TestReport> {HTML}
    - Driver
        - chromedriver (For chrome in mac)
        - chromedriver.exe (For chrome in windows)
    - Runner
        - testRunner.py
    - ReadMe.pdf
    - Template
        - TestTemplate.py
    - Archived
        - <Removed Test1> {py3}

            .
            .
            .

How to run tests and view report

• Go to **Runner** folder inside **Spayee Test Automation** folder
• Create shortcut/alias of **testRunner.py** file and paste it on desktop
• Double click alias/shortcut to run it. This will start the test
• Once all the tests are done, report will open up in browser
• Report can also be viewed by going into the **Report** folder
• To make it easy to find the required report, they have been named according to the date and time of beginning of test. Naming convention used is *dd-mm-yyyy_hh-mm.html*

How to add new test(s)

- Go to Template folder
- Right click on TestTemplate.py and click on *Edit with IDLE*
- Copy the contents of this file and close it. (**Do not modify this file)**
- Open a new file from menu bar of IDLE or press CTRL+N
- Paste the contents in this new file and begin writing tests. All details on how to write test is inside the template file
- After writing test(s), save the file with extension **.py** and naming convention as describes in template file
- Cut this file any paste it in *Student* folder
- Test is now added

How to remove test(s)

- Go to *Student* folder
- Cut the test file that you want to remove
- Place it in *Archived* folder. If you want to remove a test fully, you can delete it permanently but archiving will ensure that the test is available if needed in future

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