Selenium Hybrid Framework

(Python , Selenium , PyTest , Page Object Module , HTML Report)

**Step 1 : Create new Project & Install Required Packages/plugins**

**( File 🡪 setting 🡪 Project 🡪 Python Interpriter)**

* **Selenium :- Selenium Libraries**
* **Pytest :- Python UnitTest Framework**
* **Pytest.html :- PyTest HTML**
* **Pytest.xdist :- Run Tests Parallel**
* **Openpyxl :- MS Excel Report**
* **Allure-pytest :- to generate allure report**

**Step 2 : Create Folder Structure**

**Project Name**

**|**

PageObjects ( Package)

|

testCases (Package)

|

Utilities (Package)

|

TestData (Folder)

|

Configuration (Folder)

|

Logs (Folder)

|

Screenshots (Folder)

|

Reports (Folder)

|

Run.bat

**Step 3 : Automating Login Test Case**

3.1: Create LoginPage Object Class under “pageObjects”.

3.2: Create LoginTest under “testCases”.

3.3: Create conftest.py under “testCases”.

**Step 4 : capture screenshot on failure**

4.1: Update Login Test with Screenshot under “testCases”.

**Step 5 : Read common values from ini file**

5.1: Add ‘connfig.ini’ in “Configuration” folder.

5.2: Create ‘readProperties.py’ utility file under utilities package to read common data.

5.3: Replace hard coded values in Login test case.

**Step 6 : Adding logs to test case**

6.1: Add customLogger.py under utility package.

6.2: Add logs to Login test case.

**Step 7 : Run Tests on Desired Browser/ Cross Browser/ Parallel**

**7**.1: update contest.py with required Fixture which will accept command line argument (browser).

7.2: Pass browser name as an argument in command line

**To Run tests on desire browser**

pytest –s –v testcases/test\_login.py --browser chrome

pytest –s –v testcases/test\_login.py --browser firefox

**To Run tests parallel**

pytest –s –v –n=3 testcases/test\_login.py --browser chrome

pytest –s –v –n=3 testcases/test\_login.py --browser firefox