**SALENIUM HYBRID FRAMEWORK**

**Step 1: Create new project and install required packages/plugins**

* **Selenium: Selenium Libraries**
* **Pytest: Python UnitTest framework**
* **Pytest-html: Pytest html report**
* **Pytest-xdist: Run Tests Parallel**
* **Openpyxl: MS Excel Support**
* **Allure-pytest: to generate allure reports**

**Step2: Create Folder Structure**

**|**

**pageObjects(Package)**

**|**

**testCases(Package)**

**|**

**Utilities(Package)**

**|**

**TestData(Folder)**

**|**

**Configurations(Folder)**

**|**

**Logs(Folder)**

**|**

**Screenshots(Folder)**

**|**

**Reports(Folder)**

**|**

**Run.bat**

**Step3: Automating Login Test Case**

* **Create Login Page Objects Class under “pageObjects”**
* **Create LoginTest under “testCases”**
* **Create conftest.py under “testCases”**

**Step4: Capture screenshots on failure**

* **Update login Test with Screenshot under “testCases”**

**Step5: Read common values from ini file.**

* **Add “config.ini” file in “Configurations” folder**
* **Create “readProperties.py” utility file under utilities package to read common data.**
* **Replace hard coded values in Login test case.**

**Step6: Adding Logs to test cases**

* **Add customLogger.py under utilities package.**
* **Add logs to login test case.**

**Step7: Run test on desired browser/cross browser/Parallel**

* **Update contest.py with required Fixtures which will accept command line argument(browser name).**
* **Pass browser name as argument in command line.**

**To run tests on desired browser**

pytets -s -v testCases/test\_login.py –browser chrome

pytets -s -v testCases/test\_login.py –browser firefox

**To run tests Parallel**

pytets -s -v n=3 testCases/test\_login.py –browser chrome

pytets -s -v n=3 testCases/test\_login.py –browser chrome

**Step8: Generate pytest HTML Reports**

* **Update conftest.py with pytest hooks**
* **To generate HTML Reports run below command:**
* pytest -s -v -n=3 --html=Reports\reports.html testCases/test\_login.py –browser chrome

**Step9:Automating Data Driven Test Case**

* **Prepare test data in Exel sheet, place the excel file inside the TestData folder.**
* **Create “ExcelUtils.py” utility class under ulilities package.**
* **Create LoginDataDrivenTest under testCases**
* **Run the test case**

**Step10: Adding new testcases**

* **Add new customer**
* **Search customer(email,name)**

**Step11:Grouping Tests**

* **Grouping markers(Add markers to every test method)**
* **@pytest.mark.sanity**
* **@pytest.mark.regression**
* **-------------------------------------------------**
* **Add Marker entries in pytest.ini file**
* **Pytest.ini**
* **---------------**
* **[pytest]**
* **markers=sanity**