Pyest Frameworks Procedures

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

- Selenium. Selenium Libraries
- pytest: Python framework
- Pytest-html: PyTest HTML Reports.
- Pytest-xdist : Run Tests Parallel
- Openpyxl _: Ms Excel Support
- Allure-pytest: to generate allure reports

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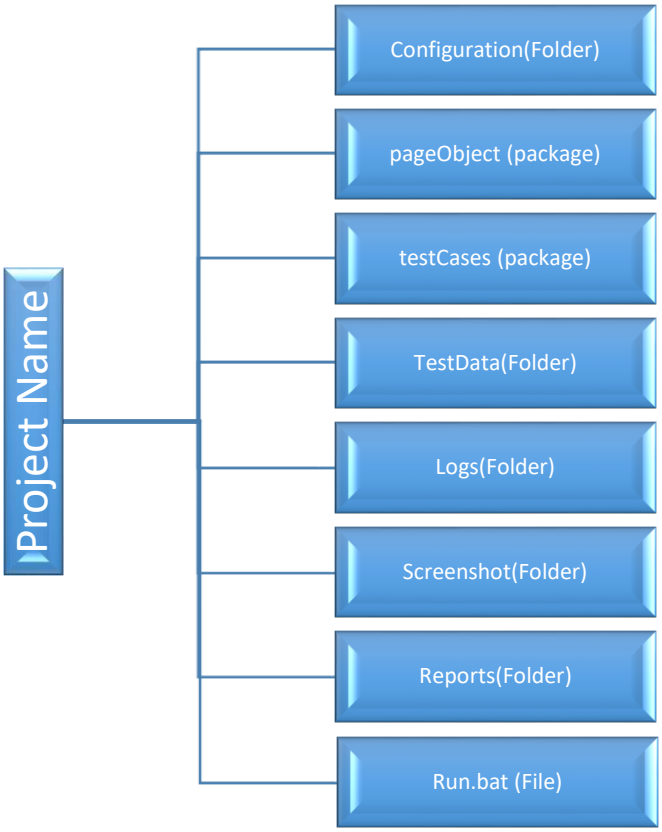
2. Step 2: Create Folder Structure



3. Step 3 : Automating Login Test Case

1. Create Object Class under "pageObjects"
2. Create test cases under "testCases"
3. Create conftest.py under "testCases"

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4. Step 4 : Capture screenshot on failures

Capture the screenshots under “Screenshots folder”

5. Step 5: Read common values from ini file

1. Add "config.ini" file in "Configurations" folder
2. Create "readProperties.py" utility file under utilities package to read common data.
3. Replace hard coded values in test case

6. Step 6: Adding logs to test case

1. Add Logger.py under utilities package.
2. Add logs to test case.

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

1. update contest.py with required Fixtures which will accept command line argument (browser)
2. Pass browser name as argument in command line
3. To Run tests on desired browser
   pytest -s -v testCases/testcasename.py --browser chrome
   Pytest -s -v testCases/testcasename.py --browser firefox

4. To Run tests parallel

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pytest -s -v -n=3 testCases/testcasename.py --browser edge
pytest -s -v -n=3 testCases/testcasename.py --browser chrome
pytest -s -v -n=3 testCases/testcasename.py --browser firefox

8. Step 8: Genérate pytest HTML Reports

1. Update conftest.py with pytest hooks
2. To Generate HTML report run below command:

pytest -s -v -n=3 --html=Reports\report.html testCases/testcasename.py -“browser chrome”

9. Step 9: Automating Data Driven Test Case

1. Prepare test data in Excel sheet, place the excel file inside the TestData folder.
2. Create " XLUtils.py” class under utilities package.
3. Create LoginDataDrivenTest under testCases
4. Run the test case

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10. Step 10: Adding new testcases

11. Step 11: Grouping Tests

1. Grouping markers(Add markers to every test method)

   @pytestmark.sanity

   @pytestmark.regression

2. Add Marker entries in pytes.ini file

   Pytestini

   [pytest]

   Markers = sanity

12. Step 12: Create Run.bat file in project folder

pytest –n=3 -m "sanity" --html=./Reports/report.html testCases/

13. Step 13: Run the Test Cases using jenkins

14. Step 14: Push the build in git hub

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