**PROJECT 2 (ORANGE HRM – VALIDATE ADMIN HEADERS, MAIN MENU)**

(Python, Selenium, PyTest, Page Object Model, HTML Reports)

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

* Selenium : Selenium Libraries
* Pytest : Python UnitTest framework
* Pytest-html : PyTest HTML Reports
* Pytest-xdist : Run Tests Parallel
* Openpyxl : MS Excel support
* Allure-pytest : To generate allure reports

**Step 2: Create Folder Structure**

Project Name

PageObjects(Package)

TestCases(Package)

Utilities(Package)

TestData(Folder)

Configurations(Folder)

Logs(Folder)

Screenshots(Folder)

Reports(Folder)

Run.bat

**Step 3: Create Forgot Password, Header\_validation, MainMenu\_validation in PageObjects**

In **Forgot Password :** Find an element using locators for each and every field for Forgot password link, Is Username text field visible, Reset password button in a class with method name.

In **Header\_validation :** Find an element using locators for each and every field for Username, Password, login button, Admin menu. Validate options displaying below headers such as Usermanagement, Job, Organisation, Qualifications, Nationalities, Corporate banking, Configuration in a class with method name.

In **MainMenu\_validation :** Find an element using locators for each and every field for menu options in side on pane such as Admin, PIM, Leave, Time, Recruitment, My Info, Performance, Dashboard, Directory, Maintenance, Buzz in a class with method name.

**Step 4: Create testcases TC\_PIM\_01, TC\_PIM\_02, TC\_PIM\_03 for each pageobject**

In this testcases, class name must be start as Test. baseURL, username, password values are taken from readproperties with help of config.ini which values was already mentioned in it. By calling all methods using classname and execute testcase in Run.bat.

**Step 5: Create readproperties, config.ini, customlogger, conftest.py**

* 1. Readproperties created for the purpose for define baseURL, username, password details in static method which was readed from config.ini. By using static method, we defined all configuration details,it is easy to access in all testcases by import. And also for Hiding credentials,URL.
  2. Config.ini is used to store value of username, password, baseURL.
  3. CustomLogger is used to define logdetails with expected messages what we need after executing.
  4. Conftest.py must be created in testcases. Without conftest.py, we can’t execute testcases. In conftest.py, we defined webbrowser as setup using @pytest.fixture()
  5. Finally, reports will be generated after executing testcases.

**Step 6 : To Run tests on desired browser**

pytest -s -v testcases/TC\_PIM\_01.py –browser chrome

pytest -s -v testcases/ TC\_PIM\_01.py –browser firefox