

Assignment-5

Task-1 Check Page Title

Write a PyTest test that:

1. Launches a web browser.
2. Opens a URL (e.g., "https://www.facebook.com").
3. Asserts that the title of the page is correct.

```
from selenium import webdriver
class TestClass:
    def test_page_title(self):
        driver = webdriver.Chrome()
        driver.get("https://www.facebook.com")

        act_title = driver.title
        exp_title = "Facebook - log in or sign up"

        if act_title==exp_title:
            assert True
        else:
            assert False
```

Task 2: Test Button Clickability

Write a PyTest test that:

1. Opens a webpage with a button (e.g.,
"https://www.w3schools.com/html/tryit.asp?filename=tryhtml_button").
2. Verifies if the button is clickable.

```
import time
from selenium import webdriver
from selenium.webdriver.common.by import By

class TestClass:
    def test_check_button(self):
        driver = webdriver.Chrome()
        driver.get("https://www.w3schools.com/html/tryit.asp?file-
name=tryhtml_button")
        time.sleep(1)
        button = driver.find_element(By.XPATH, '//*[@id="runbtn"]')
        time.sleep(1)
        assert button.is_enabled(), "Button is not clickable"
        driver.quit()
```

Task 3: Login Action and Verification

Write a PyTest test that:

1. Opens a login page (e.g., "https://www.saucedemo.com").
2. Enters valid credentials.
3. Clicks the login button.

4. Verifies if the user is redirected to the correct page or receives a success message.

HINT: user-name:standard_user)
password:secret_sauce

```
import time
from selenium import webdriver
from selenium.webdriver.common.by import By

class TestClass:
    def test_login_page(self):
        driver = webdriver.Chrome()
        driver.get("https://www.saucedemo.com")

        username = driver.find_element(By.ID, "user-name")
        username.send_keys("standard_user")
        time.sleep(2)

        password = driver.find_element(By.ID, "password")
        password.send_keys("secret_sauce")
        time.sleep(2)

        login_btn = driver.find_element(By.ID, "login-button")
        login_btn.click()
        time.sleep(2)

        dashboard = driver.find_element(By.XPATH, '//*[@id="header_container"]/div[1]/div[2]/div').text

        assert dashboard=="Swag Labs", "Failed"
        driver.quit()
```

Task4: Search and Verify Result

Write a PyTest test that:

1. Opens a search page (e.g., "https://www.amazon.com").
2. Enters a search term (e.g., "laptop").
3. Verifies if results are displayed for the search term.

```
import time
from selenium import webdriver
from selenium.webdriver.common.by import By

class TestClass:
    def test_search_result(self):
        driver = webdriver.Chrome()
        driver.get("https://www.amazon.com")

        search = driver.find_element(By.XPATH, '//*[@id="twotabsearchtextbox"]')
        search.send_keys("laptop")
        time.sleep(2)

        search_btn = driver.find_element(By.XPATH, '//*[@id="nav-search-submit-button"]')
        search_btn.click()
```

```
time.sleep(2)

act_title = driver.title

assert act_title=="Amazon.com : laptop","Failed....."

driver.quit()
```

Task5: Form Submission and Error Message

Write a PyTest test that:

1. Opens a form page (e.g.,
"https://www.w3schools.com/html/tryit.asp?filename=tryhtml_form_submit").
2. Submits the form with invalid data.
3. Verifies if an error message appears.