Task_10 - Test Case Document

Instagram Count Extraction Automation

Project Overview:

This project automates the extraction of follower and following counts from an Instagram profile using Selenium WebDriver. The profile URL used for this test is https://www.instagram.com/guviofficial/. The test involves automating browser interaction, closing modals, and extracting the follower and following counts.

Test Case Title:

Verify the functionality of extracting followers and following counts from Instagram

Test Description:

The test verifies whether the extract_counts() method correctly retrieves the follower and following counts from the Instagram profile https://www.instagram.com/guviofficial/. The expected follower count is "202K" and the following count is "7".

Pre-conditions:

- Selenium WebDriver and ChromeDriver must be installed.
- The necessary Python libraries (selenium, webdriver_manager, pytest) should be installed.
- An active internet connection is required for navigating the Instagram page.
- The Instagram page should load properly without restrictions or errors.
- The InstaCounts class from the Task_10.py file is implemented and available for use.

Test Data:

- Instagram Profile URL: `https://www.instagram.com/guviofficial/`
- Expected follower count: `202K`
- Expected following count: `7`

Test Steps:

1. Initialize the `InstaCounts` class which opens a Chrome browser and navigates to the specified Instagram URL.
2. Wait for the pop-up modal to appear and close it by clicking the close button.
3. Wait for the black ribbon (banner) to appear and close it.
4. Extract the followers count and ensure it matches the expected value.
5. Extract the following count and ensure it matches the expected value.
6. Close the browser after extraction is complete.

Expected Results:

- The pop-up modal should be closed successfully.
- The black ribbon should be closed successfully.
- The followers count should be correctly extracted and match `"202K"`.
- The following count should be correctly extracted and match `"7"`.
- The browser should be closed after extraction.

Test Method:

- Use the `test_extract_counts` function in `test_InstaCounts.py`, which is written using the `pytest` framework.
- Assertions are made to verify that the extracted follower and following counts match the expected values.