**UGANDA CHRISTIAN UNIVERSITY**

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**MSC of COMPUTER SCIENCE**

**PRACTICAL ASSIGNMENT 1**

**MSCS: selenium\_Auto.py**

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**Submitted to Mr. JOHN HABERE**

Here's a breakdown of what this script does:

1. It imports the necessary modules from Selenium.

2. The chrome\_driver\_path variable points to the location of the Chrome WebDriver executable. However, it's marked as deprecated and no longer needed in this script, so it's commented out.

3. It sets up Chrome options using chrome\_ options. In this case, the "detach" option is enabled, which keeps Chrome open after the script execution.

4. It initializes a Chrome WebDriver instance using the options defined earlier.

5. The test\_eight\_components function is defined to automate interactions with a web page.

6. It navigates to the URL "https://www.selenium.dev/selenium/web/web-form.html."

7. It retrieves the title of the web page and checks if it equals "Web form."

8. It sets an implicit wait of 0.5 seconds.

9. It finds a text box element by its name "my-text" and a submit button element by a CSS selector.

10. It enters the text "Selenium" into the text box and clicks the submit button.

11. It locates an element with the ID "message" and retrieves its text.

12. It checks if the text retrieved from the "message" element is "Received!"

13. Finally, the script closes the Chrome browser with driver. Close ().

Note that there are some commented-out lines in the code, such as the one that quits the Chrome driver using driver. Quit (). Depending on your use case, you may need to uncomment and use this line to properly clean up resources after the test is complete.

This script is a basic example of automating interactions with a web page using Selenium and can be a starting point for more complex web automation tasks.

However, the chrome version provided here is “This version of Chrome Driver only supports Chrome version 114

As my Current chrome browser version is 118.0.5993.89 with binary path C:\Program Files\Google\Chrome\Application\chrome.ex so it couldn’t be supported.