**CSE-5325-005-ASSIGNMENT 1**

**Documentation for Automated Testing with Selenium**

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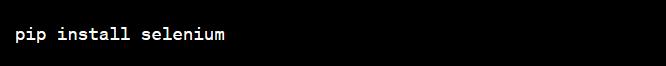
1. **Test Scenarios Identification:**

The below mentioned are some of the test scenarios and functionalities to be tested using selenium:

* Logging in to the Asana website.
* Verify task creation.
* Verify Project Creation, Assess the overview of the project, timeline of the project, calendar etc.
* Verify the reports and create new reports.
* Verify if the portfolios can be created.
* Assess the workspace section.
* Verify the messages and notifications received.

1. **Test Script Creation:**

Firstly, before developing the test scripts, the required selenium web driver library needs to be installed. So, for this assignment I have used Python. The selenium web driver library is installed using this command:



After this, I downloaded and installed the driver for the web browser. I used chrome for this assignment, so ChromeDriver is installed. The test script “test\_asanascript.py “file is used for testing against the asana website.

1. **Reporting:**

For report generation, I installed Pytest and allure libraries by using the below command in the terminal.



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Now the libraries are installed, I have included the report functionality in “test\_asanascript.py” file along with test cases and assertions.

1. **Test Execution:**

* Make sure all the test script files, libraries and other related files are correctly installed in the chromDriver folder.
* Now, in the terminal, go to the chromeDriver folder by using the cd command, for example, cd “chrome\_driver\_path”.
* Execute the test script file, with this command:

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* This command lets the browser open and performs the test cases in the script file one by one and generates a report in the same folder.
* The report contains all the information regarding the test cases and their status.

**Output:**

All the testcases are successfully passed. So, there are no failures.

