

ASTRO ASSIGNMENT – QA AUTOMATION

The objective of this assignment is for Astro to review and rate the approach taken, and script used to generate a successful QA test.

Completeness and compliance to the test cases is key. Please do comment if/when necessary to demonstrate understanding of the intent of test.

Note:

- All scripts must be accompanied by release notes that include citations of any resource, tools or frameworks used in the build.
- When posting the code to Github, keep in mind we prefer some commits history in the repo vs single commit.
- Scripts must not contain any proprietary third-party code or components which would prevent Astro retaining the right to store or run the app.
- Tester cannot claim any rights in perpetuity against MEASAT Broadcast Network Systems Sdn. Bhd (Astro) for any submitted material.
- Credentials to access the servers/services will need to be handed over at time of submission
- Candidates may use common / default or public templates of Selenium or Appium.
- At the stage of developing these tests, please think over the overall architecture that it will be huge scalable test environment growing with additional tests.
- It is very important, that you have smart designed checks on each step, not only in the end of the whole flow.
- Use Android emulator for mobile tests.
- When creating an API automation test, you should only use the custom REST client, that you create from scratch. DO NOT use the official ones.

Assignment 1: Web Automation

- Open two ecommerce websites say amazon.com and ebay.com (or any other E-Commerce website available at your respective location).
- Search for “iPhone8” on the website and validate that the result is shown for the mentioned product
- Now, combine the outputs of both the websites and display the result in ascending order of price.
- The output should consist of the following info: Name of the Website, Name of the product, Price of the product and Link to the product.
- You can print the output in any reporter of your choice or even in the console.

Assignment 2: API / Mobile Automation

Your objective is to create automation tests for the mobile application “**Todoist**”.

Test case 1: Create Project

- Create test project via API.
- Login into mobile application.
- Verify on mobile that project is created

Test case 2: Create Task via mobile phone

- Create test task via mobile application in test project.
- API: Verify that task created correctly

Useful Links:

- Official website: <https://en.todoist.com/> - APK File: PFA