

Test Engineer Assignment Documentation

Requirement for executing test cases. We need to install the below software's in the system.

- ❖ Node Version: v14.17.3
- ❖ npm Version : 8.13.2
- ❖ Java Version : 1.8.0_341

Instructions for Docker Image Creation and Execution

Below are steps to be followed for generating the Docker container and executing the test cases.

1. To build the Docker container we need to execute the below command in the visual code terminal.

docker build -t automationtestpack -f Dockerfile .

2. Execute the below command in the visual code terminal to run the tests in a container.

docker run -it automationtestpack

Instructions for running the test case locally.

Below step by step, the procedure needs to follow in order to run all test cases locally. I have included the launch.json file if you want to debug your tests with breakpoints in visual code and added the necessary packages.

1. Install dependencies required for the project using the below command.

npm install

2. To run all test cases, execute the below command.

npm run TestSubmission

3. Generating reports and opening the report, kindly execute the below command.

npm run GenerateAllureReport

Project Structure & Folders Explanation.

- ❖ Mention path contains (**AutomationTestingUsingWedDriverIO\allure-report**) generated reports for visualization.
- ❖ Referred path contains (**AutomationTestingUsingWedDriverIO\allure-results**) testing results with screen shoot enabling for generating the reports for visualization.
- ❖ Page Objects folder path contains (**AutomationTestingUsingWedDriverIO\pageobjects**) JavaScript files that hold methods, getter element selectors, properties, and common functionality implemented for comparing images.
- ❖ Test folder contains (**AutomationTestingUsingWedDriverIO\test**) spec files and JSON files for test data. I have used parameterized test cases using Json Files in Mocha Framework.
- ❖ Dockerignore file is used to ignore files and folders when you try to build a Docker Image.
- ❖ Gitignore file tells Git which files to ignore when committing your project to the GitHub repository.
- ❖ A Dockerfile that contains all the command lines to assemble an image.

- ❖ Package JSON file is used to give information to npm that allows it to identify the project as well as handle the project's dependencies.
- ❖ Package lock Json contains basic information about the project. It describes the exact tree that was generated to allow subsequent installs to have the identical tree.
- ❖ Wdio configuration file contains all necessary information to run your test suite