**Friday QA Assignment**

**Project Overview :**

This project uses Page Object Pattern.

It uses **WebdriverIO** as its framework **wdio-html-nice-reporter** to create HTML report files. It also uses the spec reporter package for the end reporting via stdout.

**Technologies Used:**

1. **Programming Language** : Javascript
2. **Build Tool** : Yarn
3. **Automation Tool used** : webdriver.io
4. **Reporting tool** : wdio-html-nice-reporter

**Installation**

After cloning the project from the repository, make sure you run `**yarn install**` to install all node modules. There should be no further installation required.

**Project Structure :**

As we have used Page Object Model, we have created separate files for the pages and for the tests.

1. **Test**: test folder contains 2 subfolder: pageobjects and specs
   1. **pageobjects**: all the pages are inside the pageobjects folder
   2. **specs**: all the test files are inside the specs folder
2. **test-data** : All the test-data used in this project are used in test-data folder.
3. **reports** : Report are created in the `./reports` folder. When a test completes, it created a folder named **reports** if none exists. This folder will contains a subfolder of screenshots taken when a test fails and an HTML report file.

All the tests are run in parallel. Upto 5 tests can be run parallely.

**Headless Execution** :

To run the tests in headless mode, we can pass the argument in wdio.conf.js under capabilities object

**Cross-Browser Test Execution :**

Tests will run in Microsoft Edge and Chrome browser in parallel mode.

**Sample Report :**

**Graphical user interface, application

Description automatically generated**

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Description automatically generated**

**Jenkins Integration :**

**Graphical user interface

Description automatically generated**

**Text

Description automatically generated**