

INTRODUCTION

This document provides the detailed information about the solution of the task description.

We have considered automating the test using Cypress. As requested the solution required Given/When/Then henceforth cypress-cucumber-preprocessor library is used to run cucumber/gherkin syntaxed (Given/When/Then) specs with Cypress.io. For reporting multiple-cucumber-html-reporter has been used.

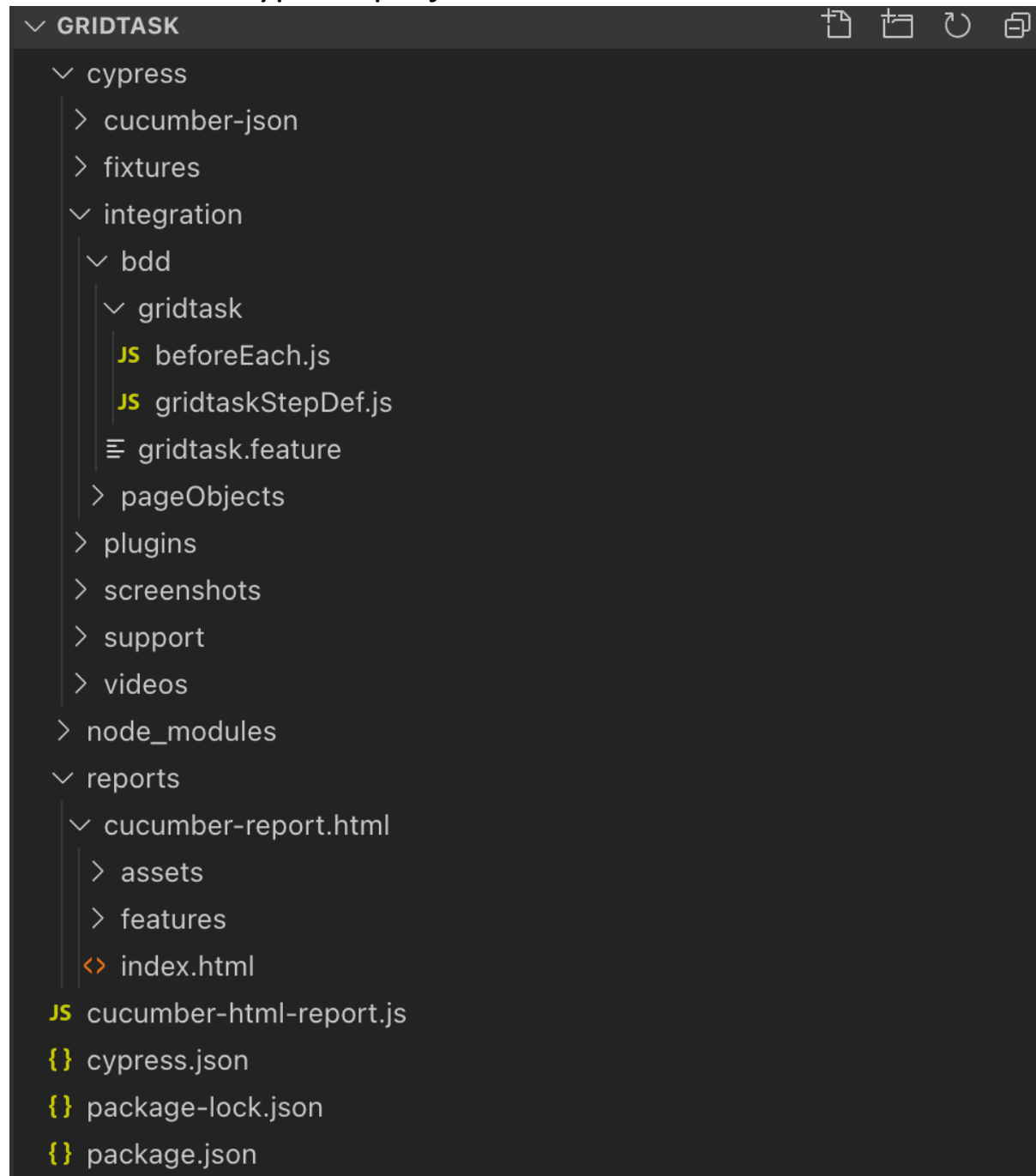
Frameworks Details

This framework is based on:

1. Cypress (<https://www.cypress.io/>)
2. cypress-cucumber-preprocessor (<https://www.npmjs.com/package/cypress-cucumber-preprocessor>)
3. multiple-cucumber-html-reporter (<https://www.npmjs.com/package/multiple-cucumber-html-reporter>)

Project Structure

The standard cypress project structure has been followed –



- fixture directory to read the test data, in our case we are using it to read login email and password.
- Integration directory consist of two sub folders – bdd and pageObjects, bdd consist of feature file and step

definitions and before each hook whereas pageObjects depicts the page object for each page.

- Under plugins index.js we have added the requirement of cypress-cucumber-preprocessor as we are using in the project
- In cypress.json we are passing the base url and test files location of the feature files
- cucumber-html-report.js on the root of the project for the html reporting. Here we are mentioning the json directory as cypress/cucumber-json and report path under reports/cucumber-report.html directory.

Running the project

This section is also under the README.md

Please make sure java, node is installed in the system.

Run the project from project root structure

npm install

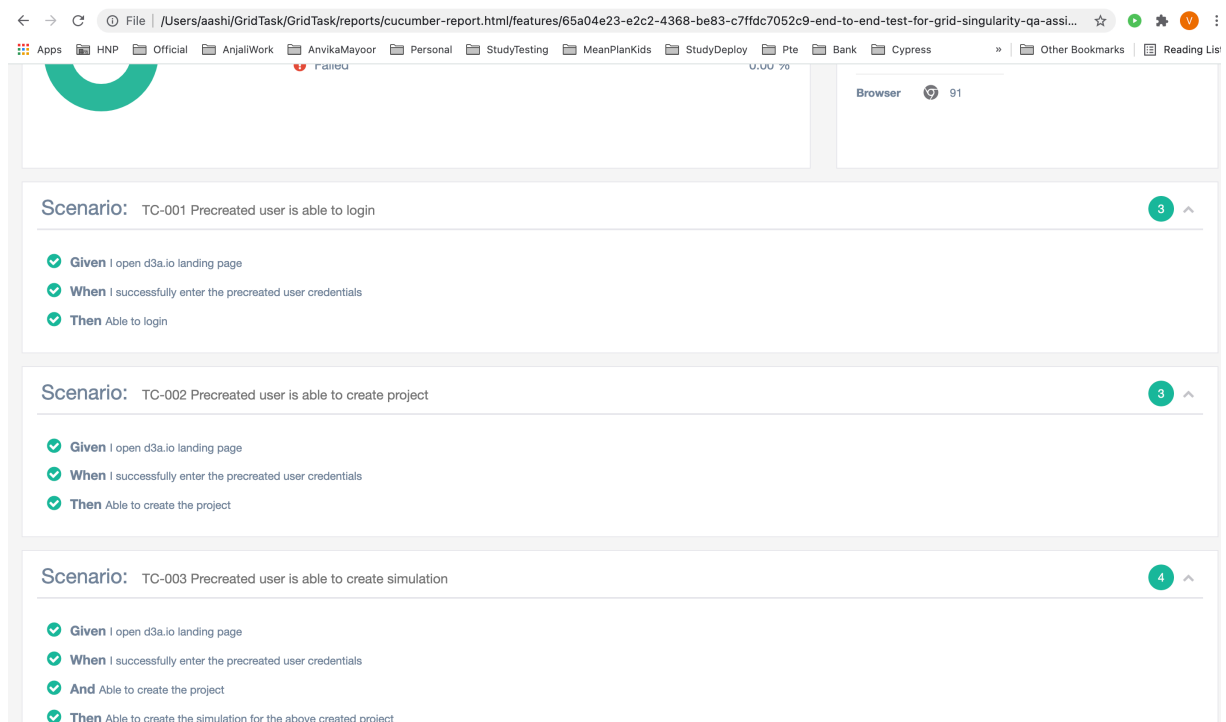
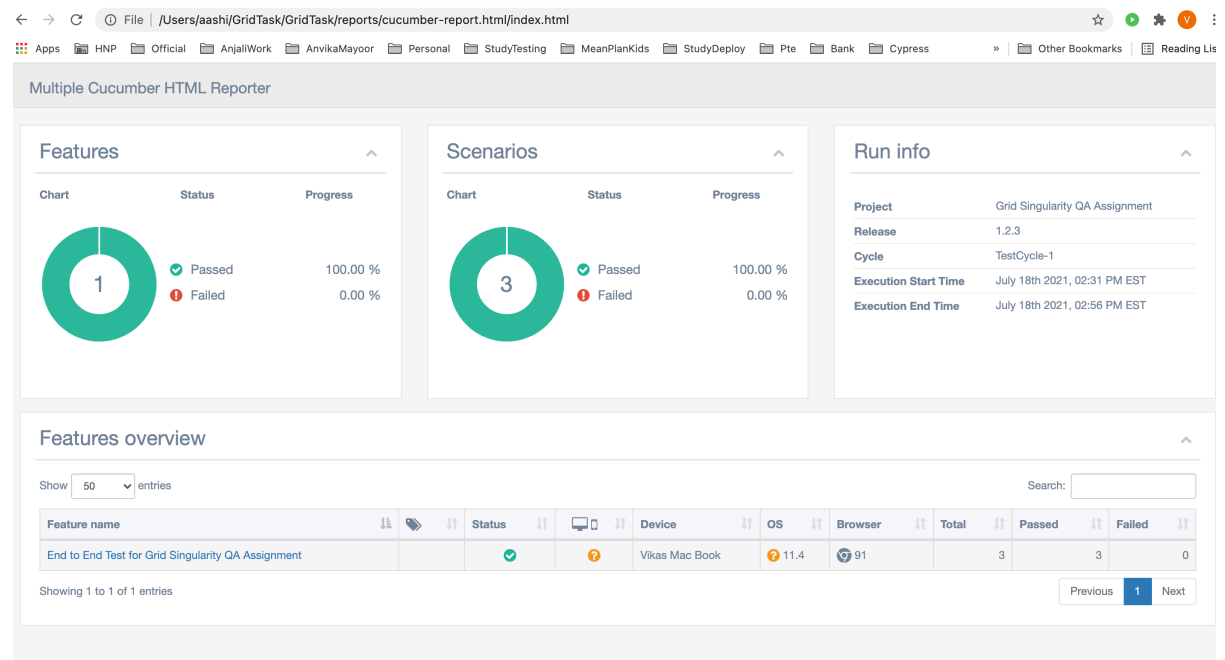
**cypress run --spec cypress/integration/bdd/gridtask.feature
--headed --browser chrome**

Once test is executed to view the reports run

node cucumber-html-report.js

Reports

The reports can be generated under `./reports/cucumber-report.html`. Refer the `index.html` for the cucumber reports.



Takeaways

- Good assignment in short span of time for completion.
- The project can be improvised by considering
 - CI/CD Integration
 - Dockerizing the framework

In case of any clarifications feel free to reach out to me:

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