

# BDD Automation using Cucumber.JS, Playwright and JavaScript

- Create a new folder, **CucumberJSPlaywright**, this will be our Project root
- Open this folder via VSCode
- In the VSCode terminal initiate a new NPM project – **npm init**. This will create a package.json file in the CucumberJSPlaywright folder.
- Install Cucumber -- **npm install --save-dev @cucumber/cucumber**
- Install Playwright -- **npm install --save-dev playwright**
- Install Playwright Test -- **npm install --save-dev @playwright/test**
- Install Chai Assertion Library -- **npm install --save-dev chai**
- Create a folder, **features**. This will contain all the project files.
- Create the feature files in the features folder or or create multiple folders under **features/** which will then have the feature files.
- Create a subfolder, **features/step\_definitions**. This folder will have all the step definitions
- Create a subfolder, **features/reports**. This folder will store the reports generated after the test run
- Create a subfolder **features/support** and create the **hooks.js**, **configs.json** and **selectors.json** files
- In the Project root (outside the features folder), create a **cucumber.js** file

## Running commands:

- **.\node\_modules\.bin\cucumber-js** – This will run all the feature files
- **.\node\_modules\.bin\cucumber-js --format html:.\features\reports\Report.html** – This will run all the feature files and store the report to the reports folder
- **.\node\_modules\.bin\cucumber-js .\features\feature\_addition\add2.feature --format html:.\features\reports\Report.html** – This will run the add2.feature file and store the generated report to the reports folder

## Gluing feature files to step defs in VSCode :

- Install Cucumber (Gherkin) Full Support via the VSCode Store (Reload after installation)
- Open File → Preferences → Settings
- Go to Workspace → Open settings.json (Icon on top right)
- Add the below code

```
{  
  "cucumberautocomplete.strictGherkinCompletion": true,  
  "cucumberautocomplete.syncfeatures": "features/**/*.feature",  
  "cucumberautocomplete.steps": "features/step_definitions/*.js"  
}
```

- Reload VSCode and now you can navigate from Feature files to step def
- Reference : <https://stackoverflow.com/questions/55363967/navigating-from-feature-file-to-step-definition-any-plugins>

## Folder Structure:

▼ CUCUMBERJSPLAYWRIGHT	feature
▼ .vscode	6
{ } settings.json	7
▼ features	8
▼ reports	9
◀> Report.html	10
▼ step_definitions	11
JS loginsteps.js	12
▼ support	13
{ } configs.json	14
JS hooks.js	15
{ } selectors.json	16
≡ login.feature	17
> node_modules	18
◆ .gitignore	19
JS cucumber.js	20
{ } package-lock.json	21
{ } package.json	22
ⓘ README.md	23