

## BDD Automation using Cucumber.RB, Selenium and Ruby

- Create a new folder, **CucumberRuby**, this will be our Project root
- Open this folder via VSCode
- Create a file called **Gemfile** and add the following [Lines in the below screenshot]
- Run **bundle install** in the VSCode terminal. The bundle install command will install the gems that we specified in the above line
- Run **cucumber --init** in the VSCode terminal. This will create the minimum number of files needed for cucumber to run
- Create a subfolder, **features/reports**. This folder will store the reports generated after the test run
- In the folder **features/support**, create the following files **env.rb**, **driver.rb**, **methods.rb**, **configs.rb** and **selectors.rb** files
- In the Project root (outside the features folder), create a **cucumber.yml** file

### Running commands:

- **cucumber** – This will run all the feature files
- **cucumber --format html --out .\features\reports\Report.html --format pretty** – This will run all the feature files and store the report to the reports folder
- **cucumber .\features\Login.feature --format html --out .\features\reports\Report.html --format pretty** – This will run the Login.feature file and store the generated report to the reports folder
- **cucumber --tags "@LoginAndLogout" --format html --out .\features\reports\Report.html --format pretty** – This will run the scenario with @new tag 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

```
5  "cucumberautocomplete.steps": "features/step_definitions/*.rb",
6  "cucumberautocomplete.syncfeatures": "features/**/*.feature",
7  "cucumberautocomplete.strictGherkinCompletion": true,
8  "cucumberautocomplete.smartSnippets": true,
9  "cucumberautocomplete.stepsInvariants": true,
10 "cucumberautocomplete.pages": {},
11 "git.enableSmartCommit": true,
12 "cucumberautocomplete.formatConfOverride": {},
```

- Reload VSCode and now you can navigate from Feature files to step def

Gemfile lines:

```
Gemfile
1 source "https://rubygems.org"
2
3 group :test do
4   gem 'cucumber', '~> 9.1.2'
5   gem 'rspec', '~> 3.13.0'
6   gem 'selenium-webdriver', '~> 4.4'
7 end
```

Folder Structure:

