

Section 12- Cucumber: Skill Assessment

-Look up how to do this for VSC instead of eclipse:

-install cucumber using the npm: `npm install --save-dev @cucumber/cucumber`

Open our Section 11 Project, check the "package.json" file and see that the dependency for cucumber was indeed added automatically

```
"@cucumber/cucumber": "^9.1.0",
```

-Change the script in this json for "test" from "ng test" to `"test": "cucumber-js test"`

-Create a file in the root of the Project called cucumber.js

-Create a new folder in the main project root called "test", and a "features" folder in that

- Create a file for our two features: create_client.feature, add_meeting.feature

-Create a steps folder inside test

-Create steps definition .js files for our features

-In the .feature files, using Gherkin Language, define the features:

-Get Stuck not knowing how to run cucumber files

-Watch this video <https://www.youtube.com/watch?v=saY4h4ZOtCM>

-in .vscode folder in pj root, create settings.json

-Add the following to settings to point to our features and steps files {

```
"cucumberautocomplete.steps": [
    "test/features/steps/*.ts",

],
"cucumberautocomplete.syncfeatures": "test/features/*.feature",
"cucumberautocomplete.strictGherkinCompletion": true
}
```

- Get stuck again. Follow the npm cucumber tutorial:

<https://www.npmjs.com/package/@cucumber/cucumber>

- Successfully run the intro project, see I screwed up the pathing

-Run Cucumber tests: `npx cucumber-js`

-Fail, The npm instructions are missing a step

-spend an hour poking around

-Discover they failed to have you create and implement cucumber.ts in the root

```
- paste this in that file:
- module.exports = {
-   default: [
-     #    "--require-module ts-node/register",
-     "--require features/**/*.ts",
-     "--publish-quiet",
-     ].join(" "),
-   };
-
```

-Get a bunch of errors. Suspect as we don't HAVE a module file, this is the problem

-Comment out that line

-NOW it works

Success! Well, actually failure, but it found the features and said many steps were undefined, and helpfully gives you code snippets to go define in the steps.ts file. Copy, Paste,

-Redefine the behavior for each step. Currently, we are just printing to console that the step has happened because, unfortunately, this course DID NOT AT ALL COVER how to actually use cucumber in correlation with our project. I understand kinda how to use Cucumber now, but not at all how I'd associate it with my current work.

-Add "Given" to the const list at top to clear errors

```
- r
```

-Run Cucumber tests: npx cucumber-js

-Most tests pass, but some are labeled Multiple step definitions match:

-Discover I've used the exact same step text for two steps in both my features.

- this is Feature FEATURE. not a bug.

-Remove duplicate definitions: This is kinda the whole point. Now the SAME test step works for both features!

-Run Cucumber tests: npx cucumber-js

3 scenarios (2 pending, 1 passed)

12 steps (2 pending, 8 skipped, 2 passed)

Done!

