Lab 4.3 Cucumber with JavaScript

This section will guide you to:

* Write code in Gherkin and execute via cucumber with JavaScript
* Use visual studio code (the popular text editor for web-based projects)
* Confirm the output of cucumber with the positive result.

**Note: You cannot proceed with Lab 4.3 until you complete all the steps mentioned in the document Lab 4.2 completely.**

This lab has 3 subsections:

* + 1. See scenario reported as undefined.
    2. See scenario reported as failing.
    3. See scenario reported as passing.

In behavior-driven development with cucumber, concrete examples are used to specify “what we want the software to do”. An example is referred as a scenario. Scenarios are defined in “.feature” files which are stored in the “features” directory.

In this lab, we will use the scenario: **Sunday is not Friday**.

Create an empty file named “**features/is\_it\_Friday\_yet.feature”** with the following code, and save the file.

Feature: Is it Friday yet?

Everybody wants to know when it's Friday

Scenario: Sunday isn't Friday

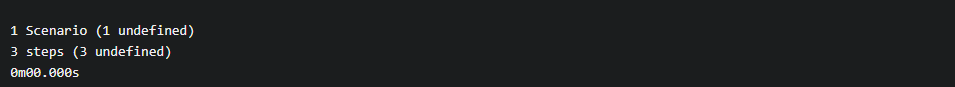
Given today is Sunday

When I ask whether it's Friday yet

Then I should be told "Nope"

**Step 4.3.1:** See scenario reported as undefined.

Run the command **npm test** in the terminal of visual studio code to confirm the following output:



**Step 4.3.2:** See scenario reported as failing.

Replace the existing complete code with the following code in the **features/step\_definitions/stepdefs.js** file.

const assert = require('assert');

const { Given, When, Then } = require('cucumber');

function isItFriday(today) {

// We'll leave the implementation blank for now

}

Given('today is Sunday', function () {

this.today = 'Sunday';

});

When('I ask whether it\'s Friday yet', function () {

this.actualAnswer = isItFriday(this.today);

});

Then('I should be told {string}', function (expectedAnswer) {

assert.equal(this.actualAnswer, expectedAnswer);

});

Run the command **npm test** in the terminal of visual studio code to confirm the following output:



**Step 4.3.3:** See scenario reported as passing

Add **return ‘Nope’;** to the code available in the **features/step\_definitions/stepdefs.js** file.

function isItFriday(today) {

return 'Nope';

}

Run the command **npm test** in the terminal of visual studio code to confirm the following output:



Congratulations! You’ve got your first green cucumber scenario.