# Playwright Cucumber API/UI Test Framework Setup Guide for Beginners

This document provides a step-by-step guide to set up the Playwright Cucumber API/UI Test Framework, tailored for individuals who may be new to using computers and software development tools.

## Introduction

Before we start, let's understand some basic terms:

* **Terminal**: A program that allows you to type commands to your computer.
* **Repository**: A storage space where your project is kept.
* **Dependencies**: Software components required for your project to work.

## Step-by-Step Guide

### Step 1: Open the Terminal

1. On Windows, search for 'Command Prompt' and open it.
2. On Mac, search for 'Terminal' in Spotlight and open it.

### Step 2: Clone the Repository

1. Type the following command and press Enter:

* git clone https://gitw.cvshealth.com/Juel.Uddin/playwright-automation.git

1. This command copies the project to your computer.
2. Now, type cd playwright-automation and press Enter to go into the project folder.

### Step 3: Install Dependencies

1. In the same terminal window, type npm install and press Enter.
2. Wait for the installation to complete. This step installs all the necessary software for the project.

### Step 4: Create Test Scenarios

1. Use a text editor (like Notepad on Windows or TextEdit on Mac) to create a new file.
2. Save this file in the features folder of the project with a .feature extension.
3. Write your test scenarios in this file. For example:

* Feature: API Test  
  Scenario: Fetch data from API and verify response status and data  
  Given I make a GET request to "https://jsonplaceholder.typicode.com/todos/1"  
  Then I should receive a "200" status code  
  And The response should have a key "title" with value "delectus aut autem"

### Step 5: Define Step Definitions

1. In the step\_definitions folder, create a new file with a .js extension using a text editor.
2. Write the step definitions in this file. Example:

* const { Given, Then } = require('@cucumber/cucumber');  
  const axios = require('axios');  
  const { expect } = require('chai');  
    
  let response;  
    
  Given('I make a GET request to {string}', async function (url) {  
   response = await axios.get(url);  
  });  
    
  Then('I should receive a {string} status code', function (statusCode) {  
   expect(response.status).to.equal(parseInt(statusCode));  
  });  
    
  Then('The response should have a key {string} with value {string}', function (key, value) {  
   expect(response.data).to.have.property(key, value);  
  });

### Step 6: Run the Tests

1. Go back to the terminal.
2. Type npx cucumber-js and press Enter.
3. This command runs the tests you have written in your .feature file.

## Conclusion

Congratulations! You have successfully set up and run tests using the Playwright Cucumber Framework. If you encounter any issues, recheck the steps to ensure all instructions were followed correctly.