

Lesson 01 Demo 01

Installing Cypress Dependencies and Testing Using the Launchpad

Objective: To install Cypress dependencies and test using the Launchpad

Tools required: Visual Studio Code

Prerequisites: Angular

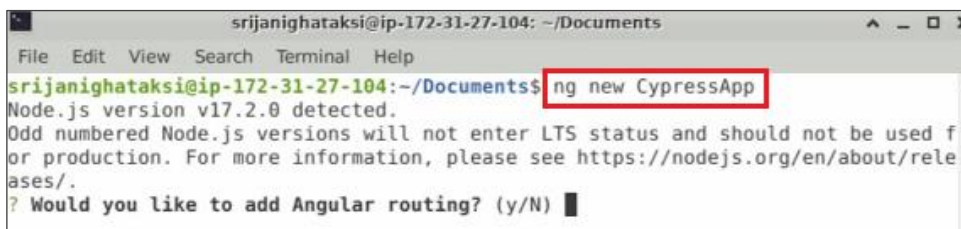
Steps to be followed:

1. Install the Cypress dependencies
2. Test the project file

Step 1: Install the Cypress dependencies

- 1.1 Run the following commands to create a new Angular project and answer **y** for all the successive queries:

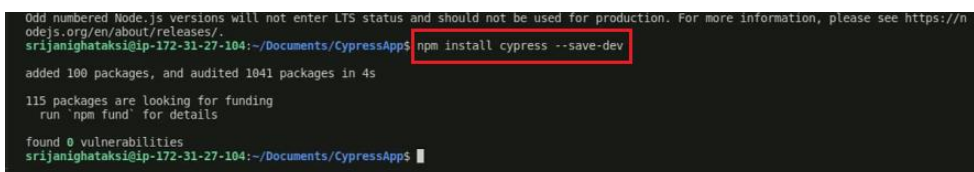
ng new CypressApp



```
srijanighataksi@ip-172-31-27-104: ~/Documents
File Edit View Search Terminal Help
srijanighataksi@ip-172-31-27-104:~/Documents$ ng new CypressApp
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for production. For more information, please see https://nodejs.org/en/about/releases/.
? Would you like to add Angular routing? (y/N)
```

- 1.2 Install Cypress dependencies by using the following commands:

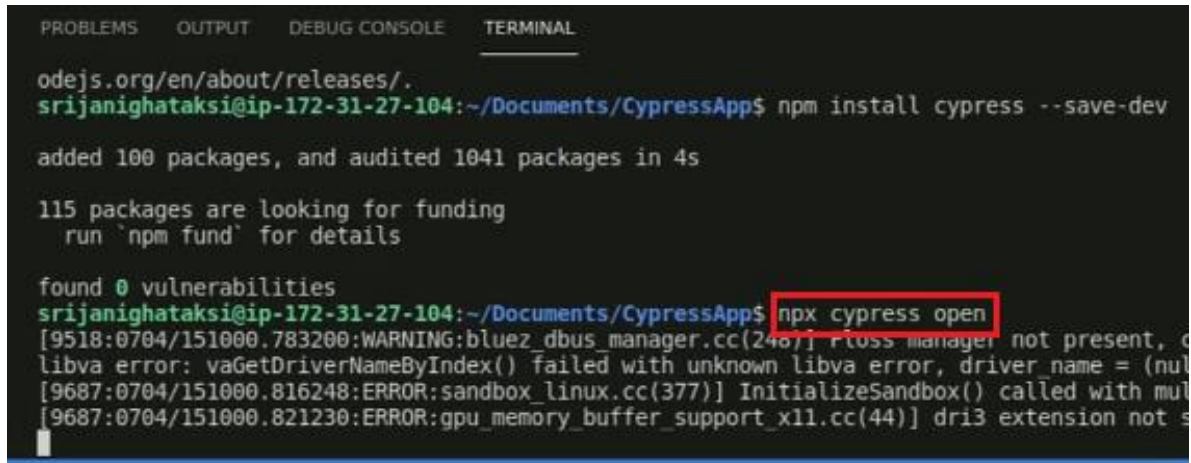
npm install cypress --save-dev



```
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$ npm install cypress --save-dev
added 100 packages, and audited 1041 packages in 4s
115 packages are looking for funding
  run 'npm fund' for details
found 0 vulnerabilities
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$
```

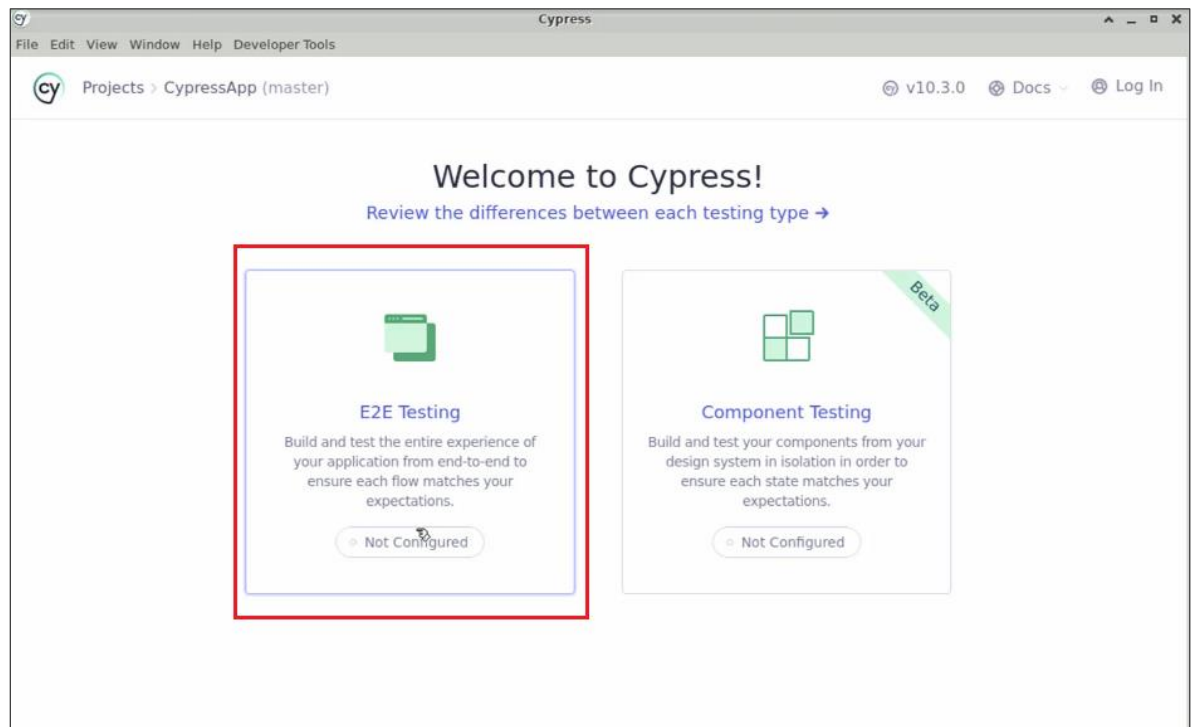
1.3 Open the Cypress Launchpad using the following command:

npx cypress open

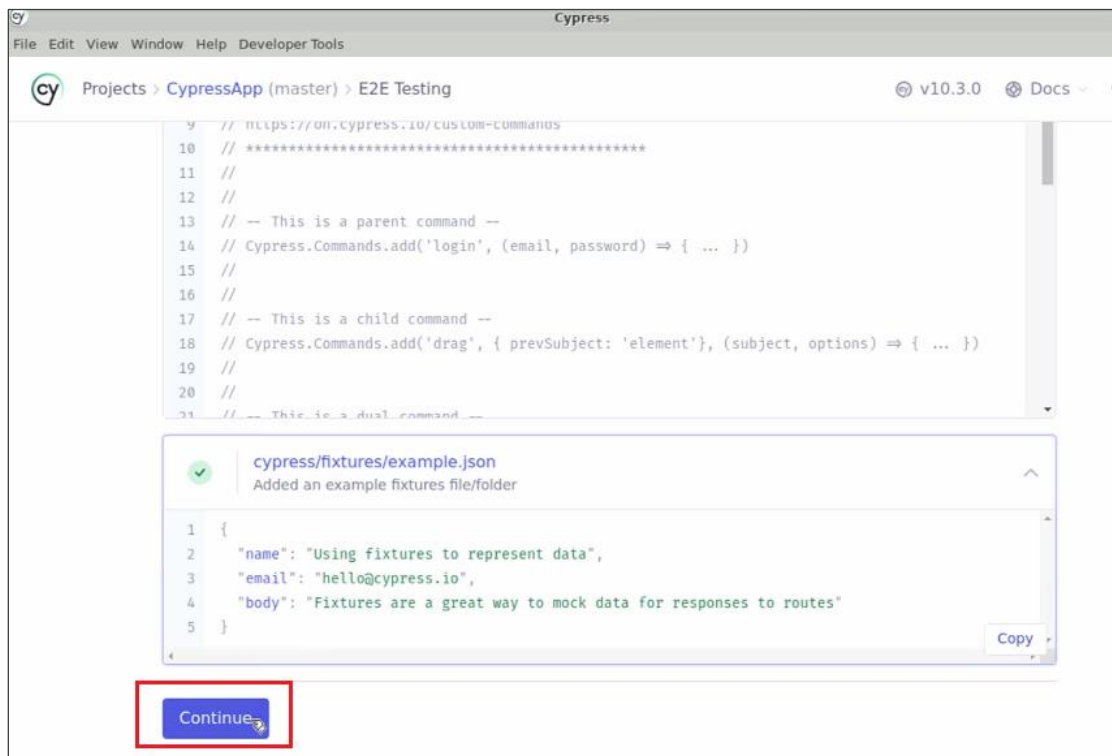
A terminal window with tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The terminal shows the command 'npm install cypress --save-dev' being executed, followed by output indicating 100 packages added and 1041 packages audited. Then, 'npx cypress open' is entered and highlighted with a red box. The terminal also shows some warnings and errors related to the dbus manager and sandbox initialization.

```
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$ npm install cypress --save-dev
added 100 packages, and audited 1041 packages in 4s
115 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$ npx cypress open
[9518:0704/151000.783200:WARNING:bluez_dbus_manager.cc(248)] Cross manager not present,
libva error: vaGetDriverNameByIndex() failed with unknown libva error, driver name = (nul
[9687:0704/151000.816248:ERROR:sandbox_linux.cc(377)] InitializeSandbox() called with mul
[9687:0704/151000.821230:ERROR:gpu_memory_buffer_support_x11.cc(44)] dri3 extension not s
```

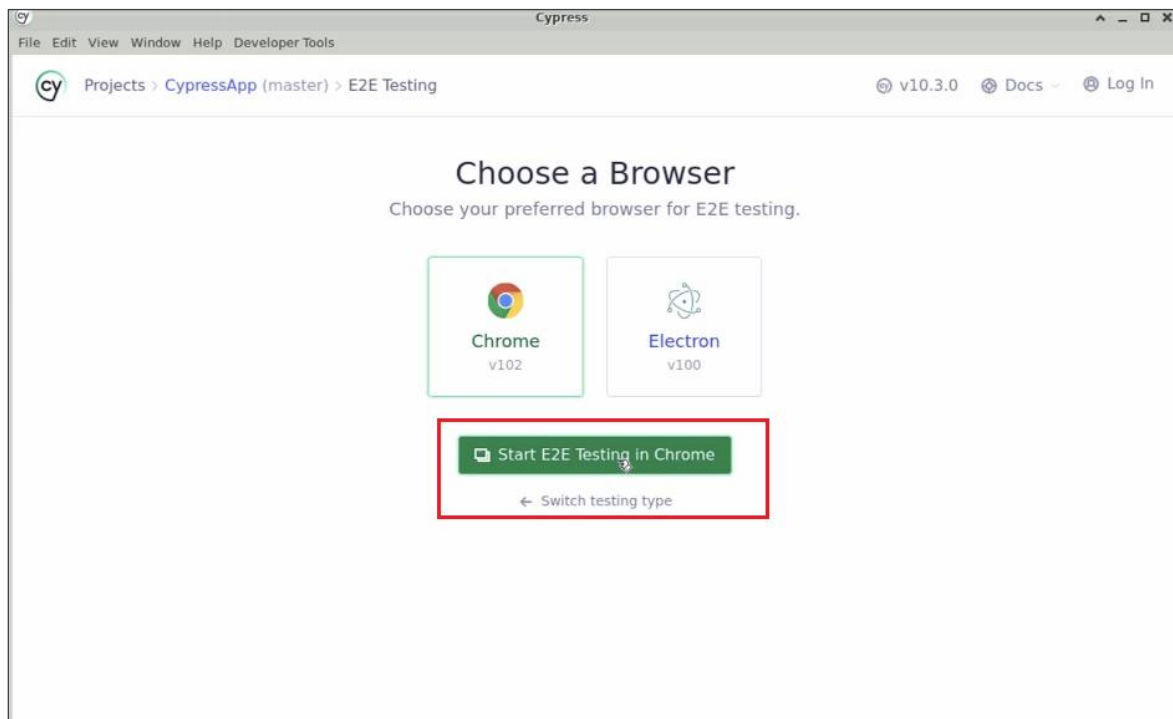
1.4 Click on **E2E Testing** in the popup



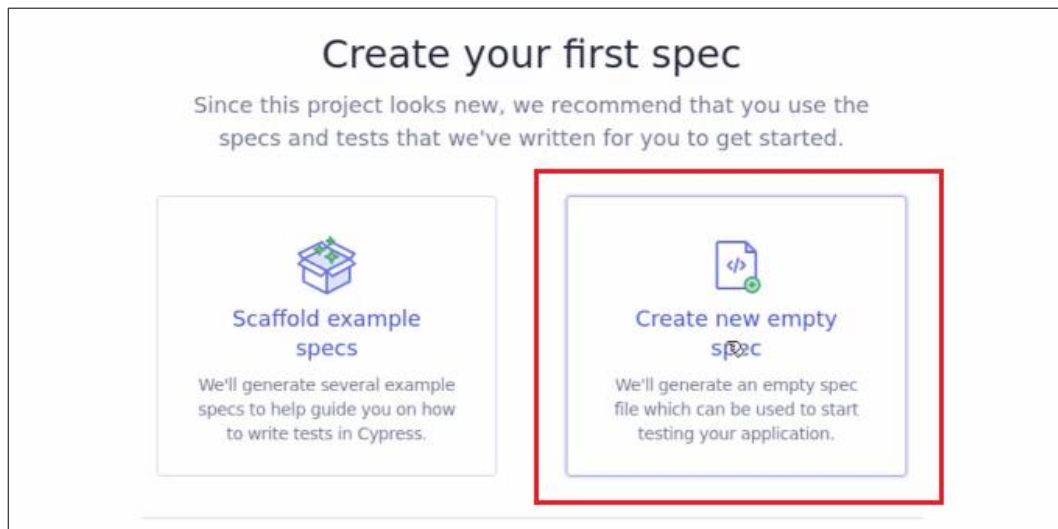
1.5 Click on **continue**



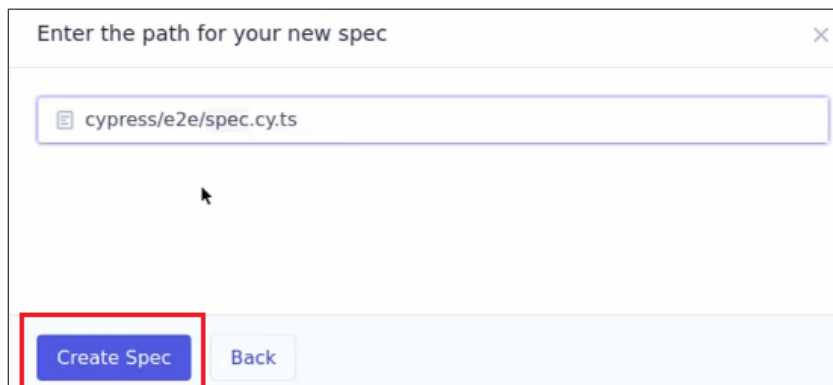
1.6 Click on **Start E2E Testing in Chrome** button



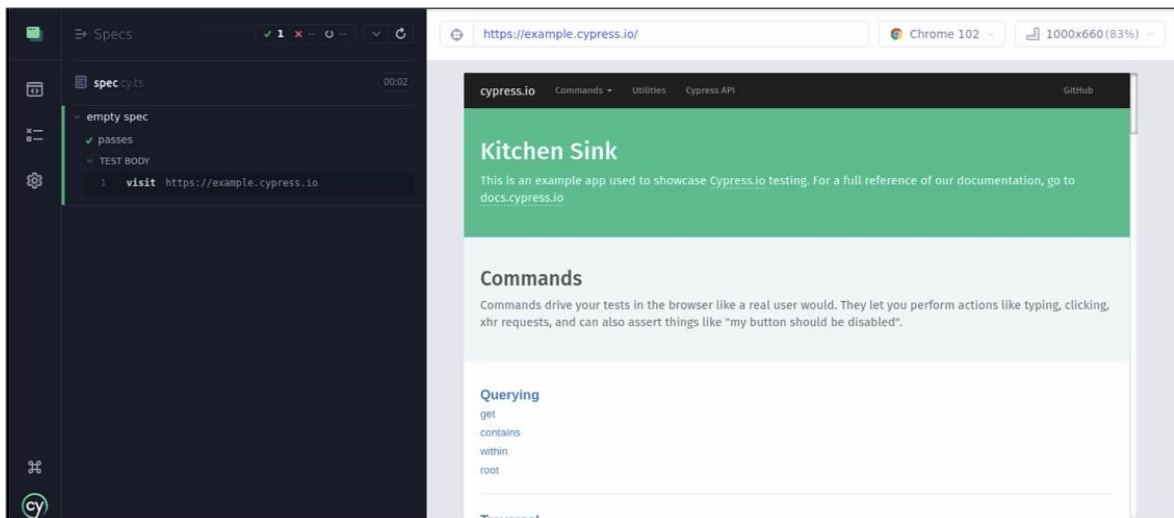
1.7 Select **Create new empty spec** option



1.8 Click on **Create Spec**, and then click on **Okay run the spec**

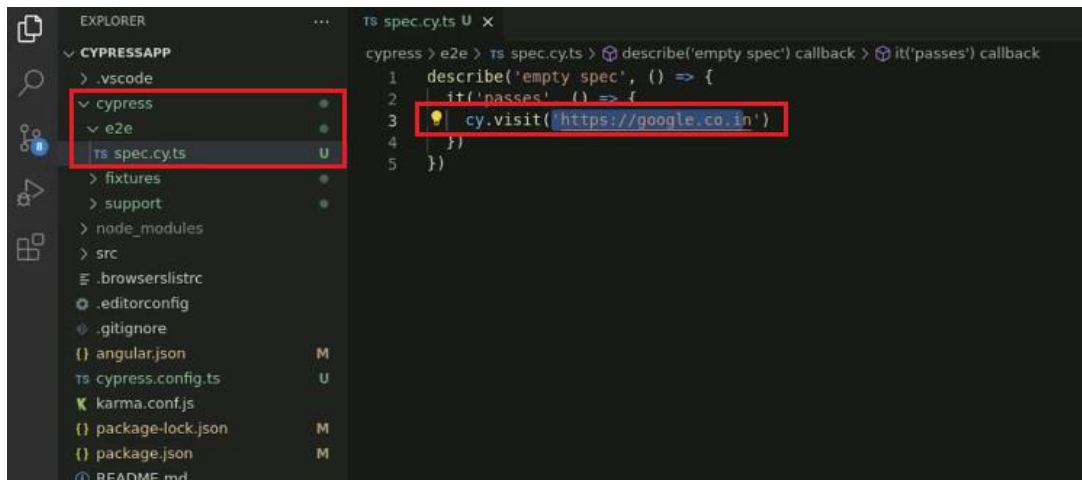


1.9 Close the tab once it is done



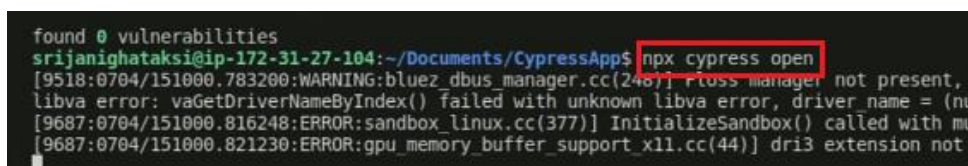
Step 2: Test the project file

2.1 Open the **spec.cy.ts** file and change the URL. Run the following command:

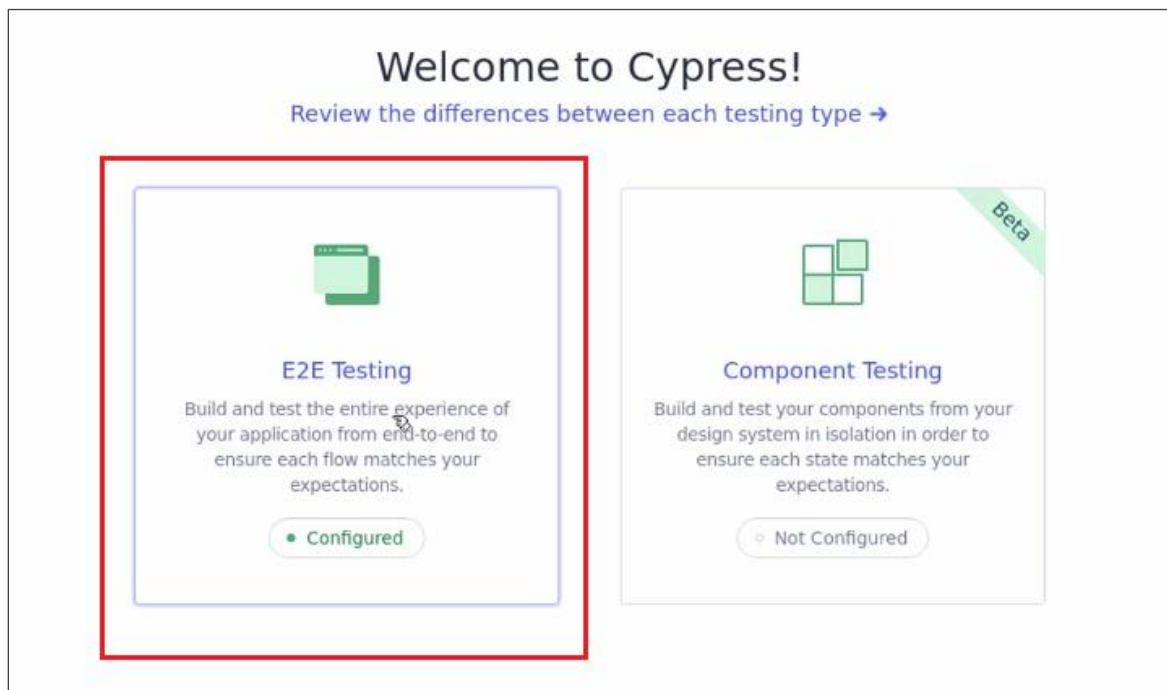


2.2 Open the Cypress Launchpad using the following command:

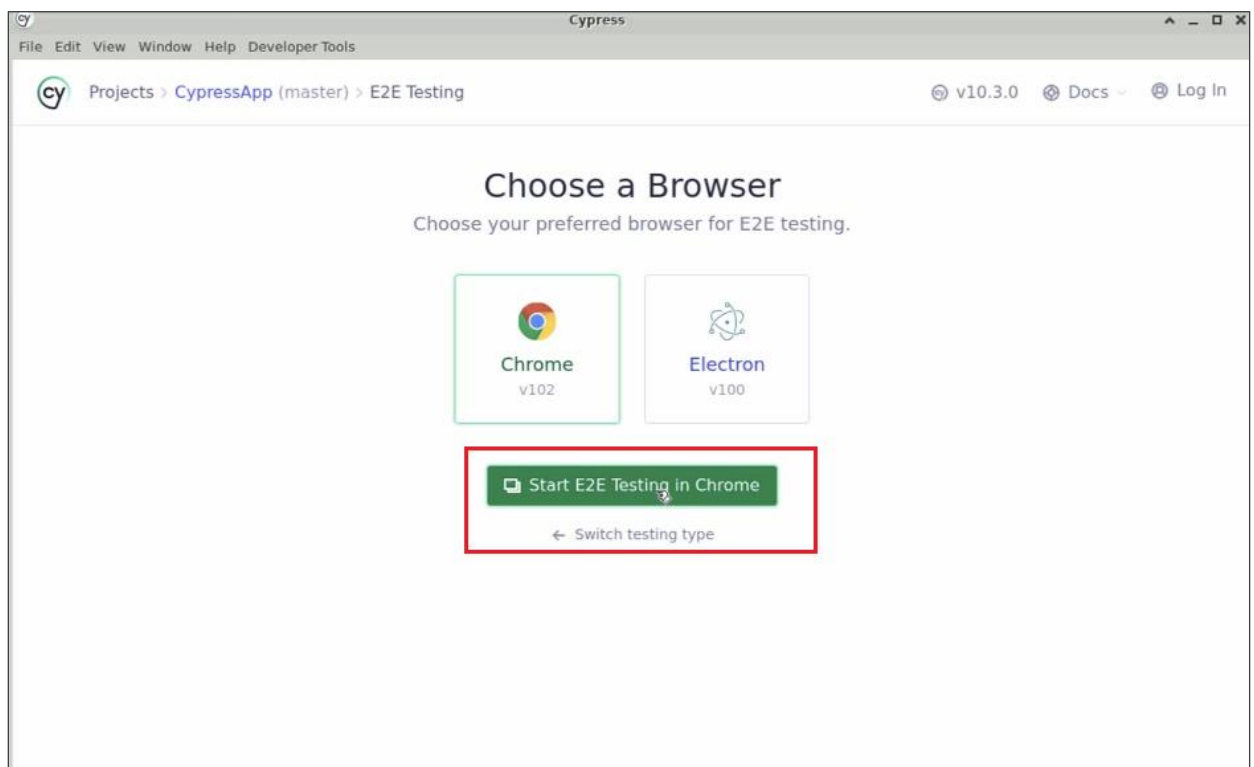
npx cypress open



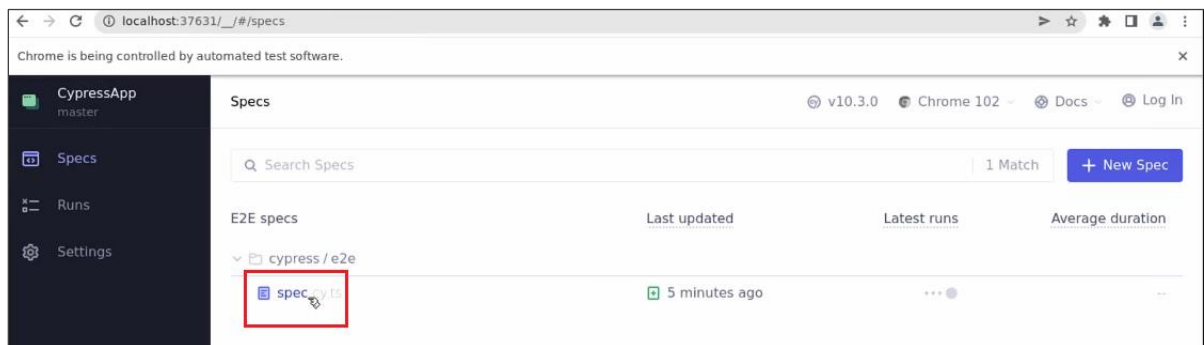
2.3 Click on **E2E Testing** in the popup



2.4 Click on **Start E2E Testing in Chrome** button



2.5 Click on **spec.cy.ts** file



2.6 Check if the test case passed or not

