To set up Cypress for E2E testing in your Angular 17 app, follow these steps:

<https://www.cypress.io/>

**Step 1: Install Cypress**

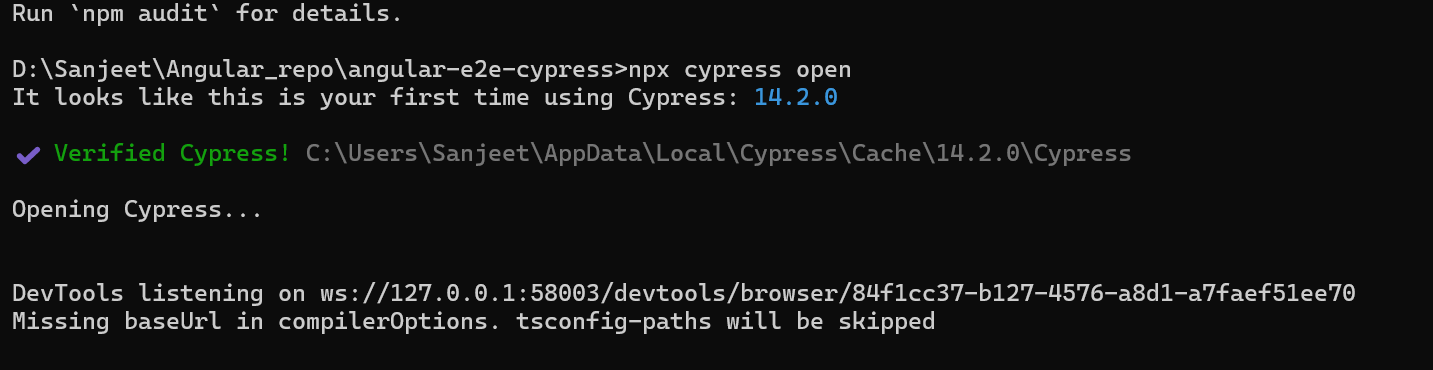
Open your terminal and run:

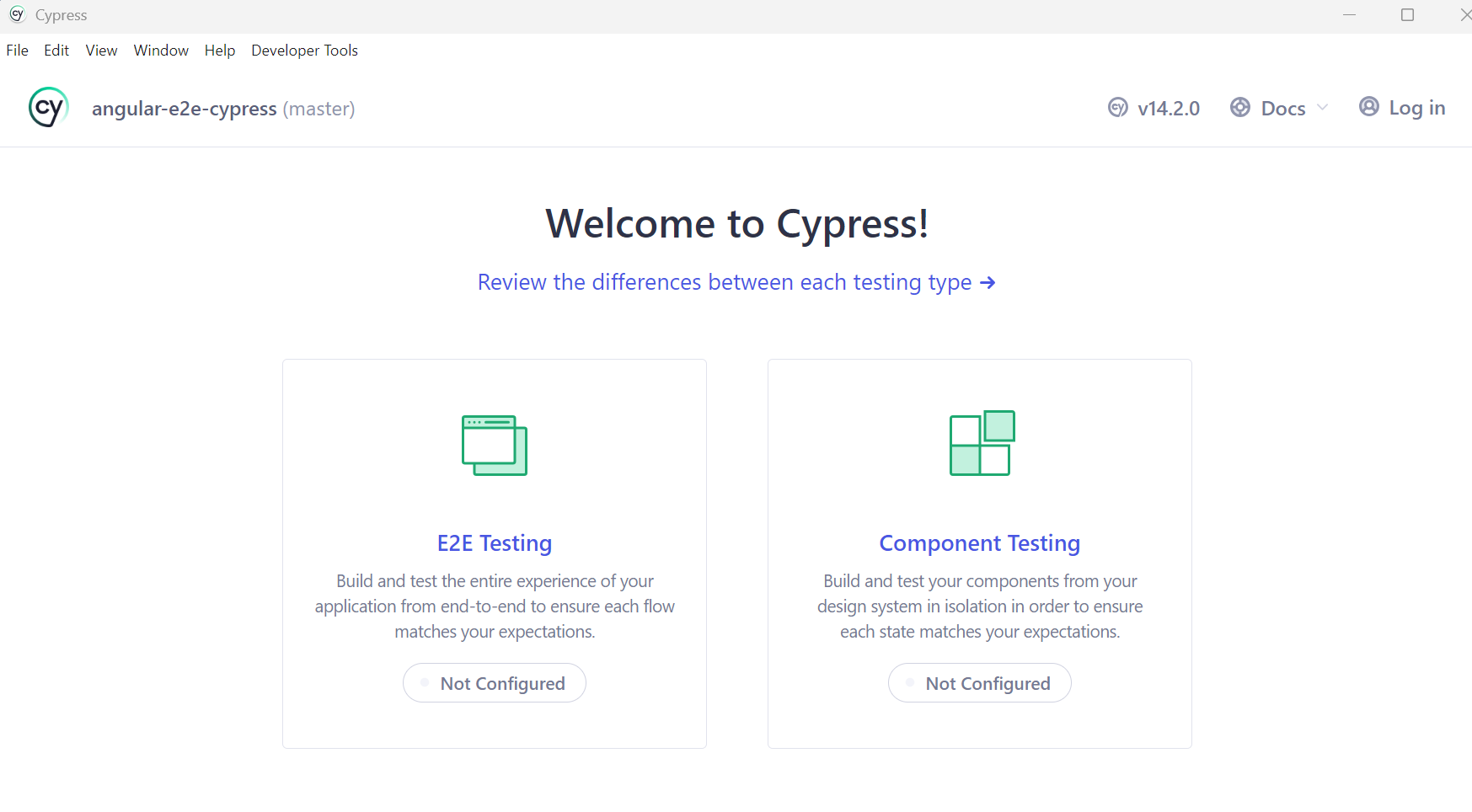
npm install cypress --save-dev

**Step 2: Initialize Cypress**

Run the following command to open Cypress for the first time:

npx cypress open





**Step 3: Add Cypress to Angular package.json Scripts**

In your package.json, add this script:

"scripts": {

"e2e": "cypress open"

}

**Step 4: Configure Cypress to work with Angular**

In the cypress.config.js (or cypress.config.ts if you're using TypeScript), set the base URL to your Angular app:

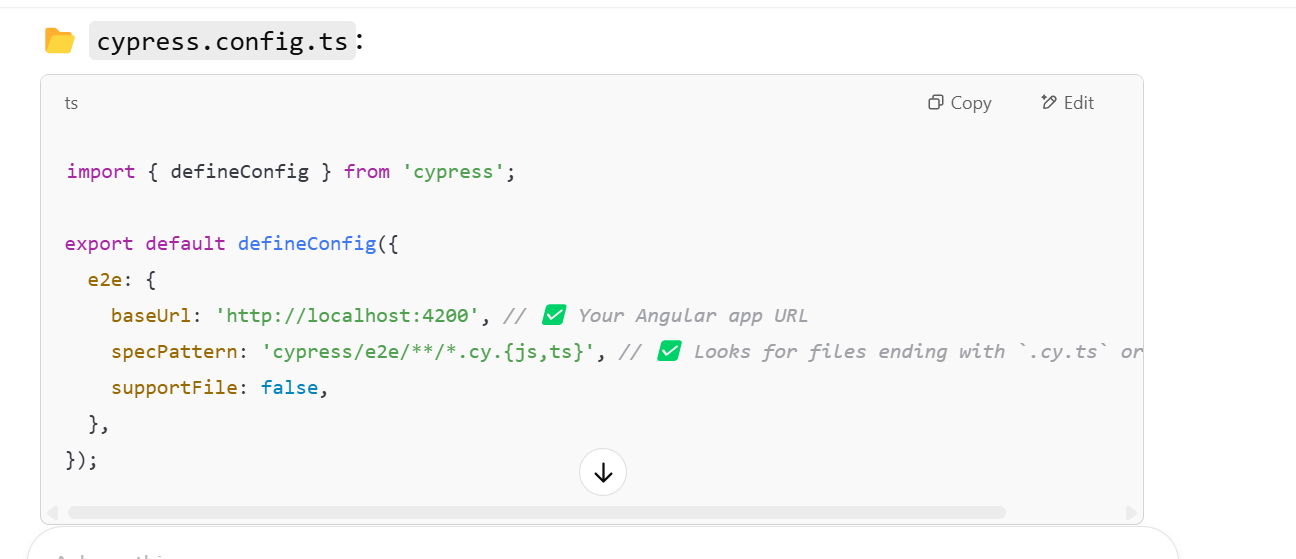


By default, Cypress automatically looks for test files inside the **cypress/e2e/** folder.

**🎯 How Cypress detects test files:**

Cypress uses the configuration from cypress.config.ts:

specPattern



**What specPattern does:**

It tells Cypress to look for test files that match this pattern:  
cypress/e2e/\*\*/\*.cy.{js,ts}

**If you want to customize the folder:**

You can change specPattern in cypress.config.ts:

specPattern: 'my-tests/\*\*/\*.cy.ts'

**Bonus Tip:**

You can **skip a specific test file** like this:

npx cypress run --spec 'cypress/e2e/home.cy.ts'

**Step 5: Run Angular and Cypress Together**

In one terminal, run:

ng serve

In another terminal, run:

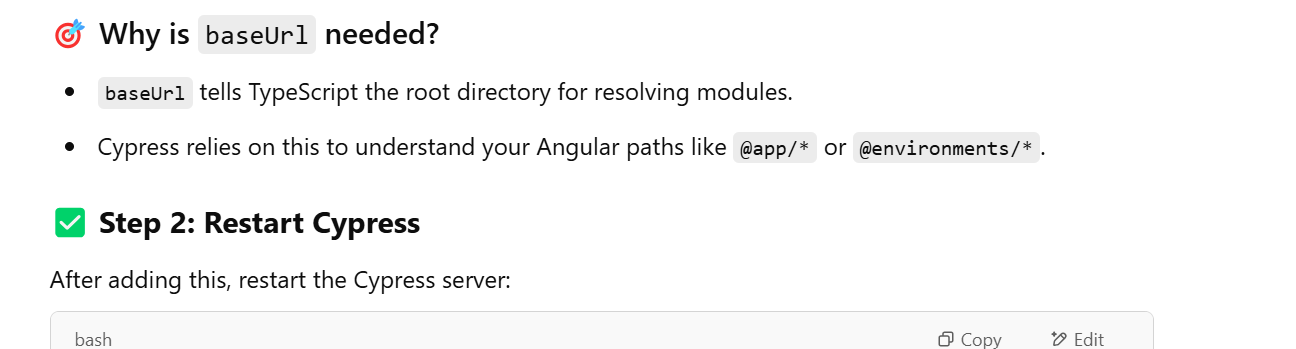
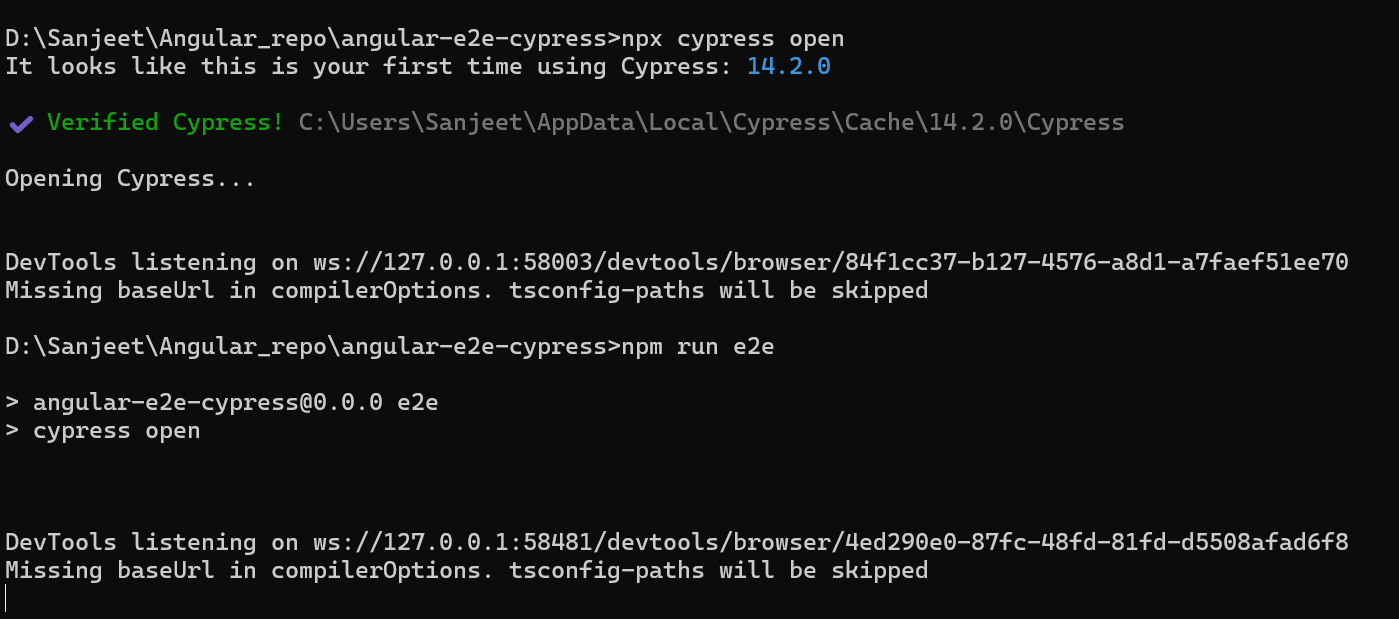
npm run e2e

**Step 6: Write Your First Test**

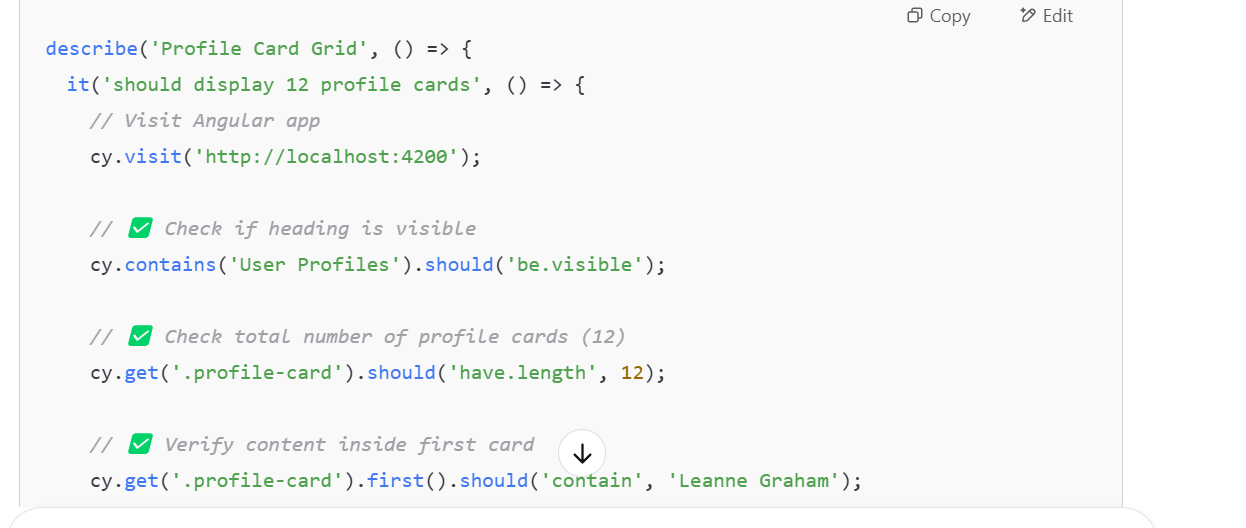
Inside the cypress/e2e folder, create a file user-grid.cy.ts:

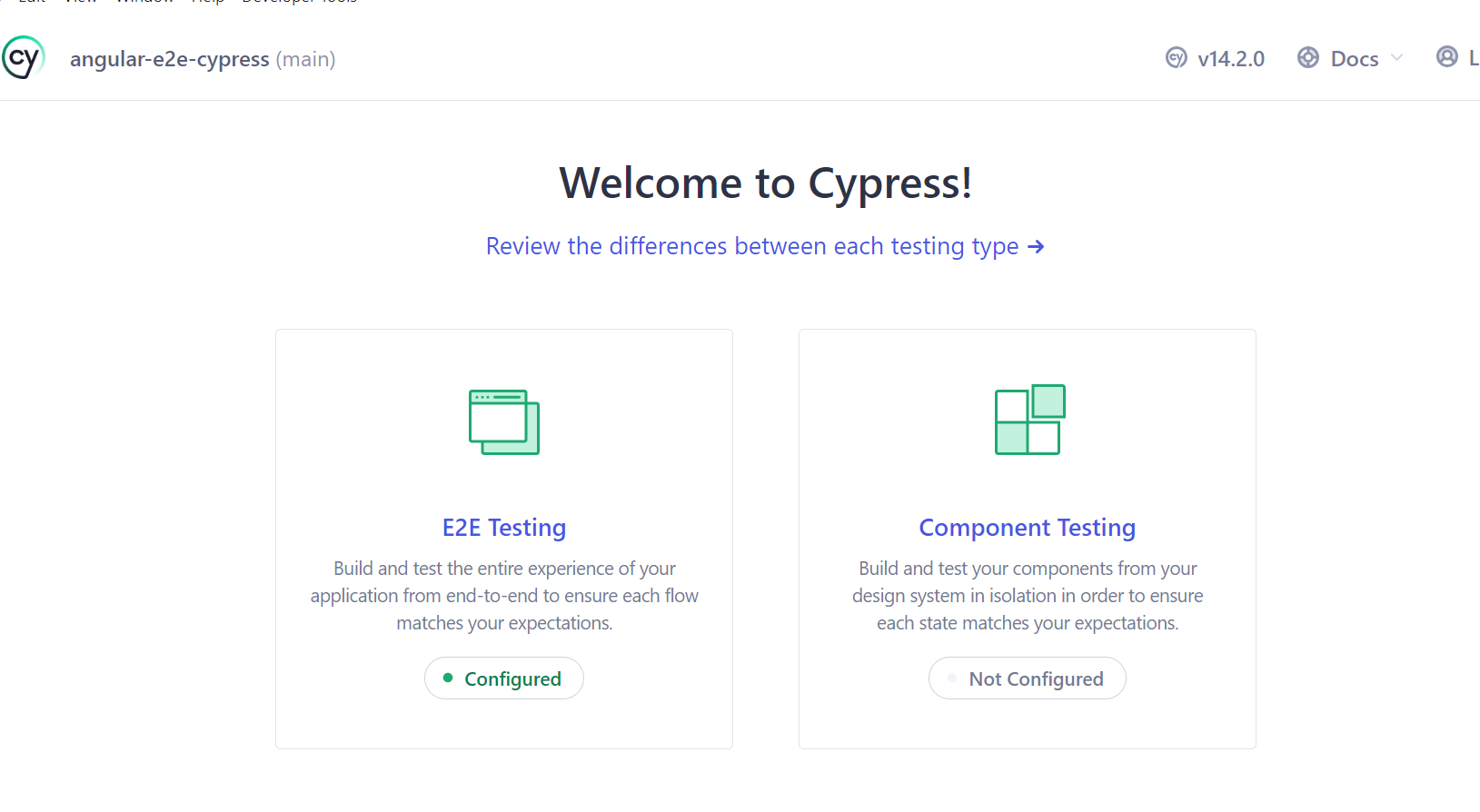
**Step 7: Run Tests**

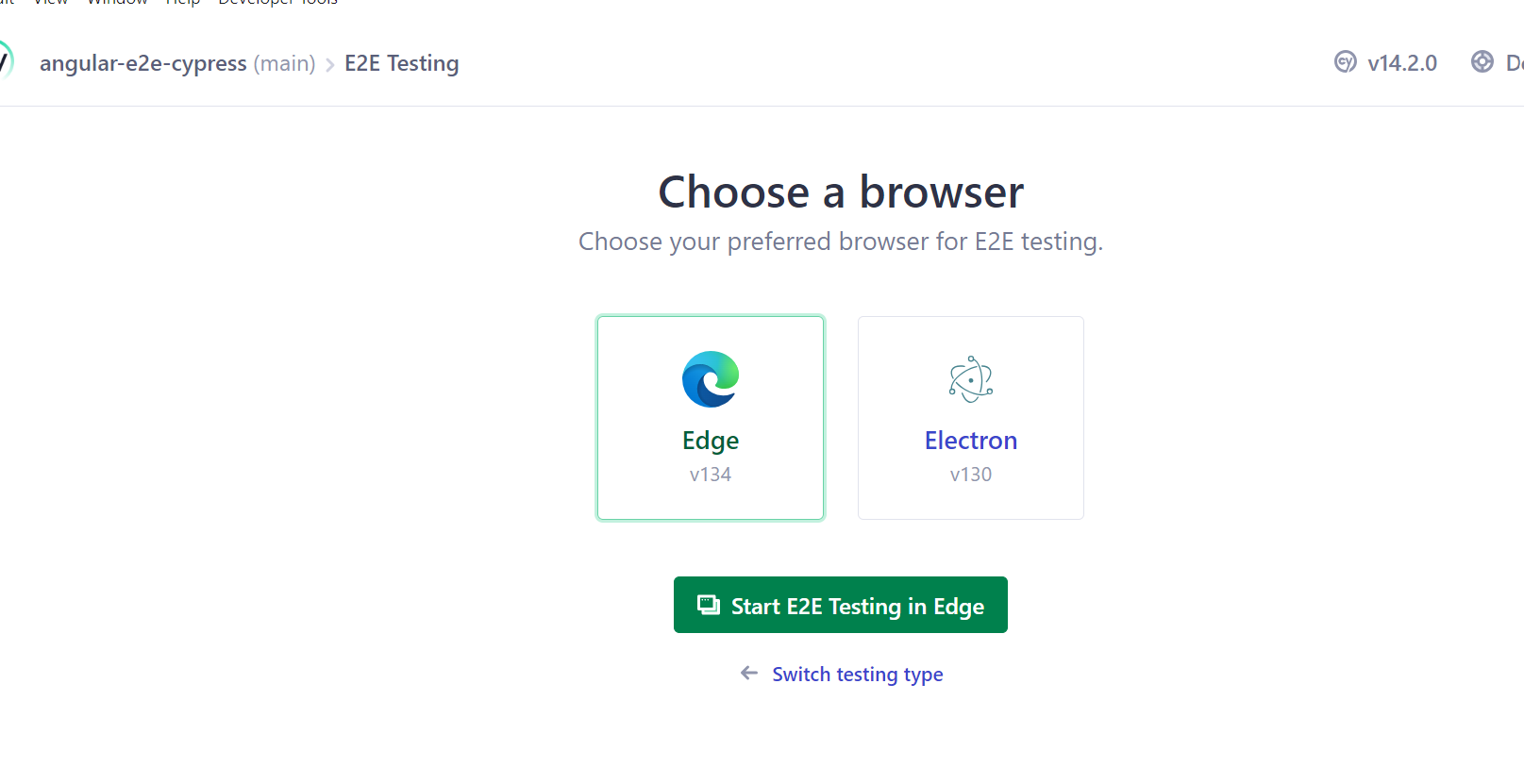
Cypress will open the browser where you can run the tests interactively.



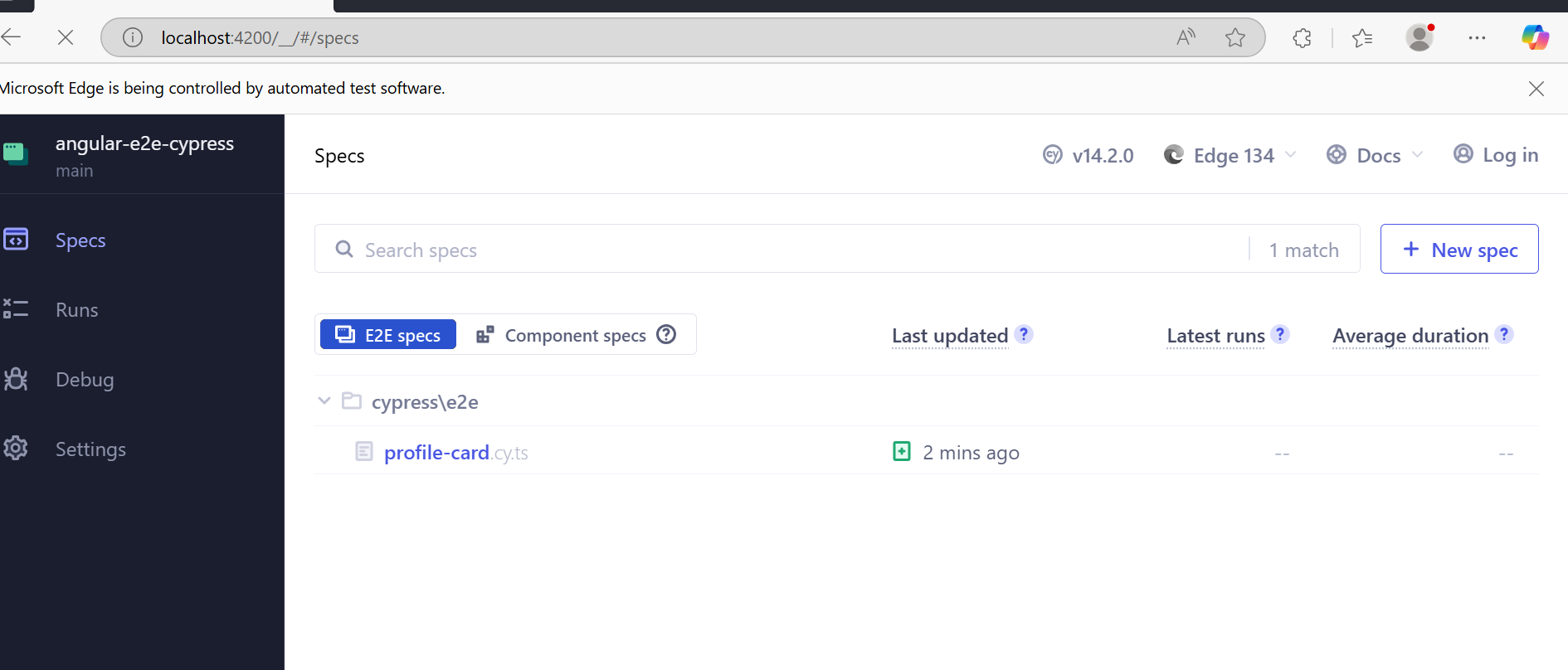
Once unit test is added to cypress/e2e folder (extension- .cy.ts):



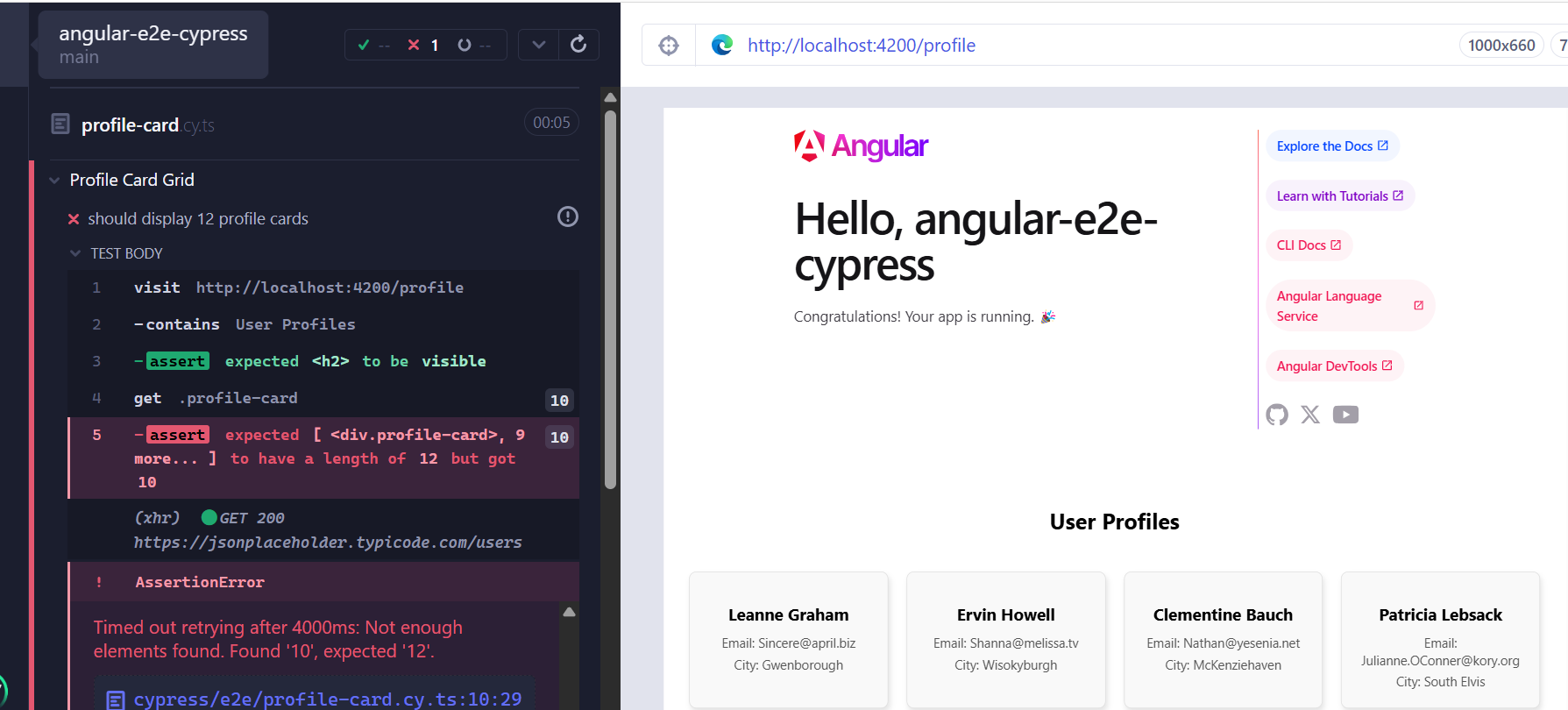




It opens edge



It shows in edge browser



To just run a test file

**Method 2: From Cypress UI**

1️⃣ Run Cypress in **open mode**:

npx cypress open

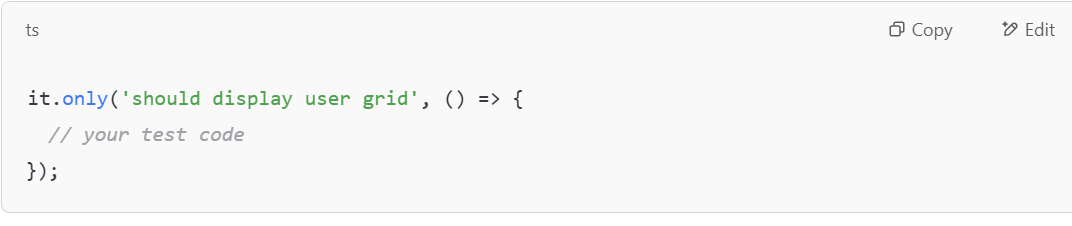
Cypress UI will open.

3️⃣ Select **End-to-End Testing** → Choose the browser (e.g. Chrome).

4️⃣ From the **test list**, click on **user-grid.cy.ts**

**Bonus:**

If you only want to **run a specific test case** inside the user-grid.cy.ts,  
You can use **.only**:

**✅ How to skip the test file:**

npx cypress run --exclude 'cypress/e2e/user-grid.cy.ts'