Cypress

Browser test runner

CONCEPTS

cypress open is interactive with a time-travel runner; cypress run is headless and meant for CI.

Cy commands are queued and run later, not returned. Chain off them instead of using await.

Visit cy.visit
↓ query
Query cy.get, contains
↓ act
Act .click, .type
↓ assert
Assert .should, retries

Queries and .should() retry until they pass or time out, so avoid fixed cy.wait(<ms>) pauses.

INSTALL AND MAINTENANCE

npm install -D cypress
Add Cypress to the project

npx cypress install
Download the binary to the cache

npx cypress verify
Check the binary can run

OPEN THE APP

npx cypress open
Open the interactive runner

npx cypress open --component
Start in component testing mode

RUN HEADLESS

npx cypress run
Run all specs headless

npx cypress run --spec *<glob>*
Run matching spec files

npx cypress run --browser *<name>*
chrome, chromium, edge or firefox

npx cypress run --headed
Show the browser window

npx cypress run --component
Run component tests

CONFIG, ENV AND REPORTERS

npx cypress run --config *<k=v, ...>*
Override config values inline

npx cypress run --config baseUrl=*<url>*
Point tests at another host

npx cypress run --env *<k=v, ...>*
Set env values for Cypress.env()

VISIT AND QUERY

cy.visit(*<url>***)**
Load a page

cy.get(*<selector>***)**
Find elements by selector or alias

cy.contains(*<text>***)**
Find an element by its text

ACTIONS

.click()
Click the subject

.type(*<text>***)**
Type into the subject

.type(*<text>***{enter})**
Type, then press Enter

ASSERTIONS

.should('be.visible')
Assert visible

.should('have.text', *<text>***)**
Assert exact text

.should('contain', *<text>***)**
Assert text is included

.should('have.length', *<n>***)**
Assert element count

NETWORK AND DATA

cy.intercept(*<method>***,** *<url>***).as(***<name>***)**
Spy on a request and alias it

cy.intercept(*<method>***,** *<url>***,** *<response>***)**
Stub a response

cy.wait('@*<name>***')**
Wait for the aliased request