

### Basic Commands

Launch CypressIO npx cypress open

Launch URL cy.visit(url)

Launch URL with prefix Update baseUrl in **cypress.json** (as a prefix) and use cy.visit(url)

Make HTTP Request cy.request(url)

### Element Interactions

Click Event .click()

Double Click Event .dblclick()

Right Click Event .rightclick()

Input on Text Box Fields .type(text)

Clear Event .clear()

Check on Checkboxes .check()

Uncheck on Checkboxes .uncheck()

Select from Dropdowns .select(value)

Mouse-Down .trigger('mousedown')

Mouse-Up .trigger('mouseup')

Mouse-Leave .trigger('mouseleave')

Mouse-Move .trigger('mousemove')

Mouse-Over .trigger('mouseover')

Focus on an object .focus()

Debug on a click event .debug().click()

Force Click .click({ force: true })

### Installation of cypress-test-techniques

Basic Tools Needed Nodejs (version 10 or above), Gitbash, Visual Studio Code (or any IDE)

Step1 npm install

Step2 npm link

Step3 npm link cypress-cucumber-preprocessor

Step4 npm install through

### Extensions

Cypress Image Snapshot <https://www.npmjs.com/package/cypress-image-snapshot>

Percy (Visual Testing & Review) <https://docs.percy.io/docs/cypress>

### Extensions (cont)

cypress-skip-and-only-ui <https://www.npmjs.com/package/cypress-skip-and-only-ui>

cypress-watch-and-reload <https://www.npmjs.com/package/cypress-watch-and-reload>

cypress-testing-library <https://www.npmjs.com/package/@testing-library/cypress>

cypress-file-upload <https://www.npmjs.com/package/cypress-file-upload>

### Locator Strategy

CSS Selectors cy.get(selector)

Xpath (**cypress.xpath** extension to be installed from <https://github.com/cypress-io/cypress-xpath>) cy.xpath(selector)

### Variable and Aliases

Variable const, let, var

Aliases .as('nameTheAliases')

Run commands before each test beforeEach()

### Errors

Error name This is the type of the error (e.g. AssertionError, CypressError)

Error Message This generally tells you what went wrong. It can vary in length. Some are short like in the example, while some are long, and may tell you exactly how to fix the error.

Learn More Some error messages contain a Learn more link that will take you to relevant Cypress documentation.

View Stack Trace Clicking this toggles the visibility of the stack trace. Stack traces vary in length.

Print to console button Click this to print the full error to your DevTools console. This will usually allow you to click on lines in the stack trace and open files in your DevTools



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### Learn

Cypress Documentation	<a href="https://docs.cypress.io/guides/overview/why-cypress.html">https://docs.cypress.io/guides/overview/why-cypress.html</a>
Cypress Test Techniques	<a href="https://engineers-hub.teachable.com/p/cypressio">https://engineers-hub.teachable.com/p/cypressio</a>

### Record and Playback

Cypress Recorder	<a href="https://chrome.google.com/webstore/detail/cypress-recorder/glcapdcacdfkokcmicllhcjigeodacab">https://chrome.google.com/webstore/detail/cypress-recorder/glcapdcacdfkokcmicllhcjigeodacab</a>
Cypress Scenario Recorder	<a href="https://chrome.google.com/webstore/detail/cypress-scenario-recorder/fmpgoobcionmfneadjapdabmjfkmfkb?hl=en">https://chrome.google.com/webstore/detail/cypress-scenario-recorder/fmpgoobcionmfneadjapdabmjfkmfkb?hl=en</a>

### Browser support

Cypress 4.0.0 or above	Google Chrome, Canary, Mozilla Firefox, Microsoft Edge (Chromium Based), Electron
Cypress 3.8.3 or below	Google Chrome and Electron

### Framework Repositories

Cypress Test Techniques	<a href="https://github.com/narayananpalani/cypress-test-techniques">https://github.com/narayananpalani/cypress-test-techniques</a>
Cypress Testing Library	<a href="https://github.com/testing-library/cypress-testing-library">https://github.com/testing-library/cypress-testing-library</a>
Cypress Axe (Accessibility)	<a href="https://github.com/avanslaars/cypress-axe">https://github.com/avanslaars/cypress-axe</a>
Cypress Code Coverage	<a href="https://github.com/cypress-io/code-coverage">https://github.com/cypress-io/code-coverage</a>
Cypress Example API Testing	<a href="https://github.com/cypress-io/cypress-example-api-testing">https://github.com/cypress-io/cypress-example-api-testing</a>
Cypress Lighthouse Audit	<a href="https://github.com/mfrachet/cypress-audit">https://github.com/mfrachet/cypress-audit</a>



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