Cypress is a next-generation front end testing tool built for the modern web [React, Veu and Angular]

Cypress is not constrained by the same restrictions as Selenium

* Cypress enables you to write all types of tests:
* End-to-end tests
* Integration tests
* Unit tests

Cypress consists of a free, open-source, locally installed Test Runner and a Dashboard Service for recording your tests

* Cypress helps you set up and start writing tests every day while you build your application locally. TDD at its best!
* After building up a suite of tests and integrating Cypress with your CI Provider, our Dashboard Service can record your test runs. You’ll never have to wonder: Why did this fail?

Here is a list of things it can do that no other testing framework can:

**Time Travel**: Cypress takes snapshots as your tests run. Hover over commands in the Command Log to see exactly what happened at each step.

**Debuggability**: Stop guessing why your tests are failing. Debug directly from familiar tools like Developer Tools. Our readable errors and stack traces make debugging lightning fast.

**Automatic Waiting**: Never add waits or sleeps to your tests. Cypress automatically waits for commands and assertions before moving on. No more async hell.

**Spies, Stubs, and Clocks**: Verify and control the behaviour of functions, server responses, or timers. The same functionality you love from unit testing is right at your fingertips.

**Network Traffic Control**: Easily control, stub, and test edge cases without involving your server. You can stub network traffic however you like.

**Consistent Results**: Our architecture doesn’t use Selenium or WebDriver. Say hello to fast, consistent and reliable tests that are flake-free.

**Screenshots and Videos**: View screenshots are taken automatically on failure, or videos of your entire test suite when running from the CLI.

**Cons:**

* Your test code is being evaluated inside the browser. Test code is not evaluated in Node or any other server-side language. The only language we will ever support is the language of the web: JavaScript. **This trade-off means it makes it a little bit harder to communicate with the back end — like your server or database**. **You will not be able to connect or import those server-side libraries or modules directly**
* There will never be support for multiple browser tabs. Because Cypress runs in the browser, it will never have multi-tabs support
* You cannot use Cypress to drive two browsers at the same time. Just like with multiple tabs — Cypress does not support controlling more than 1 open browser at a time