Cypress

* Frontend web automation tool for modern web applications.
* Language-JS
* Doesn’t use any selenium libraries.
* Open source.
* Test runner -Free
* Dashboard -paid
* Cypress is built on Node.js package and comes with npm.
* Use-
* End-to-end test cases
* Integration tests
* Unit Test cases
* API Testing

Cypress eco-system---

* TestRunner –open Runner. Locally installed
* Dashboard -paid

Features---

1.Time travel

2.Debuggabillity

3.Automatic Waits(built-in waits)

4.Consistent results

5.Screenshots & videos

6.Cross Browser Testing-locally or remotely.

Limitations—

1.can’t automate window based/Mobile app

2.Limited Supports

3.JS/Typescript

4.reading /writing data into file is difficult

5.Third party reporting tool integration

Writing & executing tests

describe(‘suite name’ ,function()

{

it(‘test1’, function()

{

expect(true).to.equal(true)

}

)

}

Locators: