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1 Cypress Introduction
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3
4 Frontend web automation testing tool.
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6 modern web applications
7
8 React JS, Angularjs....
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10 any application which runs on browser..
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12 Javascript
13
14 doesn't use any selenium.
15
16 open source
17
18 Testrunner - Free
19 Dashboard - paid
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20
21 Node.js and comes with npm module
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23
24 who can use cypress - Dev & QA
25 -----
26 End-to-end test cases
27 Integration tests
28 Unit test cases
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30 API Testing
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32
33 Cypress Eco system
34 -----
35 1) TestRunner --- open source. locally installed
36 2) Dashboard - paid
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	Selenium	Cypress
Application Support	Only Web	Web & API
Cost	Free	Test Runner - Free Dashboard - Paid
Setup & Installation	Difficult	Easier
Languages	Java, Python, Ruby, C#, JavaScript	JavaScript , TypeScript
Browsers	Chrome, Edge, Firefox, Safari, Opera & IE11	Chrome, Edge, Firefox & Electron
Frameworks Support	Junit, TestNG, pytest etc. based on programming language	Mocha JS
Performance	Runs outside of the browser . So performance is Slow when compare with Cypress.	Faster since it runs inside of the browser.
Reporting	Integrate with Extent, Allure etc..	Mocha reporters, Cypress dashboard

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39 Features
40 -----
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42 1) Time travel
43 2) Debuggability
44 3) Automatic waits (built-in waits)
45 4) consistence results
46 5) screenshots & videos
47 6) Cross browser testing - locally or remotely
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50 limitations
51 -----
52 1) can't automation window based/ Mobile apps
53 2) Limited supports
54 3) Java Script/Typescript
55 4) reading/ writing data into file is difficults
56 5) Third party reporting tool integrtion is alo limited...
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