



链滴

Unit Testing Framework - JavaScript

作者: [Vanessa](#)

原文链接: <https://ld246.com/article/1384767225876>

来源网站: [链滴](#)

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<h3> <span><span style="font-size:14px;"><strong>摘自:</strong></span></span><a href="#" target="_blank" href="http://en.wikipedia.org/wiki/List_of_unit_testing_frameworks#JavaScript"><span style="font-size:14px;"><strong>List of unit testing frameworks</strong></span></a></h3>
<table>
<tbody>
<tr>
<th width="103"> Name </th>
<th width="78"> <a href="http://en.wikipedia.org/wiki/XUnit">xUnit</a> </th>
<th width="31"> <a href="http://en.wikipedia.org/wiki/TestAnythingProtocol">TAP</a> </th>
<th width="82"> <a href="http://en.wikipedia.org/wiki/Client_side">Client-side</a> </th>
<th width="89"> <a href="http://en.wikipedia.org/wiki/Server-side">Server-side</a> </th>
<th width="83"> Source </th>
<th> Remarks </th>
</tr>
</tbody>
<tbody>
<tr>
<td> <a href="http://en.wikipedia.org/w/index.php?title=Suitest&action=edit&redlink=1">Suitest</a> </td>
<td> <br /> </td>
<td> <br /> </td>
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>
<td> <sup><a href="http://en.wikipedia.org/wiki/List_of_unit_testing_frameworks#cite_note-106"><span>[</span>106<span>]</span></a></sup> </td>
<td> Suitest is a powerful and easy-to-use JavaScript BDD test suite </td>
</tr>
<tr>
<td> <a href="http://en.wikipedia.org/w/index.php?title=DOH_%28software%29&action=edit&redlink=1">DOH</a> </td>
<td> <br /> </td>
<td> <br /> </td>
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>
<td> <sup><a href="http://en.wikipedia.org/wiki/List_of_unit_testing_frameworks#cite_note-107"><span>[</span>107<span>]</span></a></sup> </td>
<td> <a href="http://en.wikipedia.org/wiki/Dojo_Toolkit">Dojo</a> Objective Harness that can be run in-browser or independently via <a href="http://en.wikipedia.org/wiki/Rhino_%28JavaScript_engine%29">Rhino</a> </td>
</tr>
<tr>
<td> <a href="http://en.wikipedia.org/w/index.php?title=LBRTW_UT&action=edit&redlink=1">LBRTW UT</a> </td>
<td> <br /> </td>
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>
</tr>

```

Yes	No
<td> [118] [119] </td>	Developed as a learning project
</tr>	
<tr>	
<td> JSUnit </td>	Yes
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	Yes
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	No
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	No
<td> [120] </td>	JSUnit is no longer actively maintained
</tr>	
<tr>	
<td> Enhance JS </td>	Yes
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	Yes
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	No
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	No
<td> ^{[108]} </td>	
<td> Port of Enhance PHP </td>	
</tr>	
<tr>	
<td> QUnit </td>	
<td> </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td> [121] </td>	
<td> jQuery test harness </td>	
</tr>	
<tr>	
<td> RhUnit </td>	
<td> </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	

Yes	[122]	compatible Rhino/JUnit framework
Crosscheck	 	
No		
¹⁰⁹	 	
	 	Browserless Java-based framework
J3Unit	 	
Yes		
No		
[123]	 	
Mocha	 	
No		
Yes		
Yes		
Yes		
[124]	 	
intern	 	
No		
Yes		
Yes		
Yes		

[125]	
JSONUnit	
Yes	
	No
^{[110]}	
YUI Test	
	Yes
	Yes
	Yes
	Yes
^{[111]}	
JSSpec	
	Yes
	No
^{[112]}	
Behaviour-driven development	framework
UnitTesting	
	Yes
	No

<td> ^{113[} </td>	script.aculo.us javascript test harness </td>
</tr>	
<tr>	
<td> JSpec </td>	
<td> </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td> [126] </td>	
<td> Highly readable BDD, 50+ matchers, DOM / framework independent, async, rhino, no e.js support and more (no longer maintained) </td>	
</tr>	
<tr>	
<td> Jasmine </td>	
<td> </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td> [127] </td>	
<td> BDD, framework independent, easy integration with Ruby projects and continuous builds. Allows for both DOM-less testing and asynchronous testing. </td>	
</tr>	
<tr>	
<td> screw-unit </td>	
<td> </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	
<td> ^{114[} </td>	
<td> Requires jQuery </td>	
</tr>	
<tr>	
<td> Test.Simple </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No ^{115[} </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	

No	>	<td> ^{[116]} </td>
		<td> Write TAP-emitting unit tests in JavaScript and run them in your browser. </td>
	</tr>	
	<tr>	<td> Test.More </td>
		<td style="background-color: #ff9090; color: black; vertical-align: middle; text-align: center;">No[1]
		<td style="background-color: #90ff90; color: black; vertical-align: middle; text-align: center;">Yes
	>	<td style="background-color: #90ff90; color: black; vertical-align: middle; text-align: center;">Yes
	</tr>	<td style="background-color: #ff9090; color: black; vertical-align: middle; text-align: center;">No
		<td> ^{[117]} </td>
		<td> Write TAP-emitting unit tests in JavaScript and run them in your web browser. </td>
	</tr>	
	<tr>	<td> TestCase </td>
		<td> </td>
		<td> </td>
		<td style="background-color: #90ff90; color: black; vertical-align: middle; text-align: center;">Yes
	>	<td style="background-color: #ff9090; color: black; vertical-align: middle; text-align: center;">No
		<td> ^{[118]} </td>
		<td> </td>
	</tr>	
	<tr>	<td> TestIt </td>
		<td> </td>
		<td> </td>
		<td style="background-color: #90ff90; color: black; vertical-align: middle; text-align: center;">Yes
	>	<td style="background-color: #90ff90; color: black; vertical-align: middle; text-align: center;">Yes
		<td> ^{[119]} </td>
		<td> Light-weight, non-polluting, and easy to set up and use </td>
	</tr>	
	<tr>	<td> jsUnitTest </td>
		<td> </td>
		<td> </td>
		<td style="background-color: #90ff90; color: black; vertical-align: middle; text-align: center;">Yes
	>	

Yes	^{120}
 	Based on TestCase but without the Prototype dependency
JSTest	
 	Light-weight, non-polluting browser-based framework
JSTest.NET	No
 	Browserless JavaScript unit test runner for use with MsTest, XUnit, NUnit, etc.
jsUnity	Yes
 	Context-agnostic (JavaScript, JScript (ASP/WSH), Rhino, etc.)
RhinoUnit	No
 	Yes

<td> ^{122]} </td>	<td> Rhino-ased framework that allows tests to be run in Ant </td>
</tr>	
<tr>	
<td> JasUnit </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	
<td> ^{123]} </td>	
<td> Light-weight framework. Part of a project that provides Mocks and IoC.) </td>	
</tr>	
<tr>	
<td> FireUnit </td>	
<td> </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	
<td> [130] </td>	
<td> Testing framework that provides logging and viewing within a new tab of Firebug. </td>	
</tr>	
<tr>	
<td> Js-test-driver </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td> </td>	
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	
<td> ^{124]} </td>	
<td> The goal of JsTestDriver is to build a JavaScript test runner which easily integrates with continuous builds systems and allows running tests on multiple browsers quickly to ease TDD style development. </td>	
</tr>	
<tr>	
<td> Js-test-runner </td>	
<td style="background:#ff9090;color:black;vertical-align:middle;text-align:center;"> No </td>	

[131]	A JUnit test runner that runs JavaScript tests. The goal of the JS Test Runner is to be a le to test JavaScript code using an approach that test driven programmers will feel comfortable with; particularly in the context of Continuous Integration.
Sinon.js	Compatible
[132]	Standalone test spies, stubs and mocks for JavaScript. No dependencies, works with any unit testing framework.
SOATest	No
^{[95]</sup>}	Commercial. Testing platform whose record/playback runs in most modern web browsers where client-side Javascript can be tested both through static analysis and functional verification.
Vows	No
[133]	Yes
Nodeunit	

<td> </td>	<td> </td>	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>
>	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
	<td> ^{[125]} </td>	
	<td> Asynchronous Javascript testing framework </td>	
</tr>		
<tr>		
<td> Tyrtle </td>		
<td> </td>		
<td> </td>		
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>		
>	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
	<td> [134] </td>	
	<td> Testing framework which allows expressive assertions and interactive test output </td>	
>		
</tr>		
<tr>		
<td> wru </td>		
<td> Compatible </td>		
<td> </td>		
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>		
>	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
	<td> ^{[126]} </td>	
	<td> General purpose environment agnostic sync/async JavaScript test framework. Compatible with any browser, desktop or mobile, node.js, Rhino, and phantom.js. Tiny, essential, fast. </td>	
</tr>		
<tr>		
<td> Buster.JS </td>		
<td> Compatible </td>		
<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>		
>	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
>	<td style="background:#90ff90;color:black;vertical-align:middle;text-align:center;"> Yes </td>	
	<td> [135] </td>	
	<td> BDD/xUnit, assertions, expectations, browser/server, extendable with tools like linting and other QA measures, highly configurable, well documented and actively developed </td>	
</tr>		
</tbody>		
</table>		