

Idea for the main data structure:

<https://github.com/js-reporters/js-reporters/issues/12#issuecomment-112470619>

The tables below should clarify the two questions raised there.

Aggregated test results provided by each framework

runEnd	QUnit	Mocha*	Jasmine*	Buster	Intern	JS Reporters
failed assertions	failed	-	-	-	-	-
passed assertions	passed	-	-	-	-	-
total assertions	total	-	-	assertions	-	-
runtime/duration	runtime	-	-	-	timeElapsed	runtime (number)
total suites	-	-	-	contexts	-	childSuites.length (number)
total tests	-	-	-	tests	numTests	getAllTests().length (number)
failed tests	-	-	-	errors/ failures/ timeouts	numFailedTests	getAllTests().filter((test)=>test.status=="failed").length (number)
ignored tests	-	-	-	deferred	numSkippedTests	getAllTests().filter((test)=>test.status=="skipped").length (number)
status	-	-	-	ok (boolean)	-	status (enum)
suites						childSuites (array)
tests						tests (array)

*Mocha and Jasmine don't provide aggregated summaries (only unaggregated details)

testEnd	Qunit	Mocha	Jasmine	Buster	Intern	JS Reporters
test name	name (string)	title (string)	description (string)	name (string)	name (string)	testName (string)
module name	module (string)	-	fullName (module name + test name) (string)	-	-	suiteName (string)
filename	source (string)	file (null/ string)	-	-	-	-
runtime/duration	runtime (number)	duration (number)	-	-	timeElapsed (number)	runtime (number)
speed („slow“/“fast“)	-	speed (string)	-	-	-	-
test status	-	state (string)	-	(event name)	-	status (enum)
Error object	(QUnit.log())	err (js error object)*	(failedExpectations[0])	error (js error object)*	error (error object)	errors (array) ^o
total number of assertions	total (number)	-	-	assertions (number)	-	-
passed assertions	passed (number))	-	passedExpectations (array)	-	-	-
failed assertions	failed (number)	-	failedExpectations (array)	-	-	-
pending	skipped (boolean)	pending (boolean)	pendingReason (string)	-	skipped (string)	-
parent suite	-	parent (suite)	-	-	-	-
test timedOut	-	timedOut (boolean)	-	-	-	-
type	-	type (always „test“?) (string)	-	-	-	-
synchronous	-	sync (boolean)	-	-	isAsync	-

*js error object has name (string), message (string) and stack (string)

° If this is provided as an array, it could be empty for passed tests, have one item for failed tests, and multiple items for frameworks like QUnit that don't use exceptions for regular failures.

error object	QUnit	Mocha	Jasmine	Buster	Intern	JS Reporters
<i>accessible by</i>	<i>QUnit.log()</i>	<i>test.err</i>	<i>test.failedExpectations[0]</i>	<i>test.error</i>	<i>test.error</i>	<i>test.errors</i>
errorName (AssertionError, ReferenceError etc.)	-	name (string)	-	name (string)	name (string)	name
errorMessage	message (string)	message (string)	message (string)	message (string)	message (string)	message
stacktrace	source (string)	stack (string)	stack (string)	stack (string)	stack (string)	stack
expectedValue	expected (object)	depends on assertion library	expected (object)	-	expected (object)	expected
actualValue	actual (object)	depends on assertion library	actual (object)	-	actual (object)	actual
matcherName	-	-	matcherName (string)	-	-	-
showDiff	-	-	-	-	showDiff (boolean)	-

Legend:

(-) not available

(?) not defined, yet

suiteStart	QUnit	Mocha	Jasmine	Buster	Intern	JS Reporters
suite name	name (string)	title (string)	description (string)	name (string)	name (string)	name (string)
tests of the suite	tests (array)	tests (array)	-	tests (array)	tests (array)	tests (array)
childSuites	-	suites (array)	-	-	tests (array)	childSuites (array)
parent suite	-	parent (object)	fullName (string)?	parent (object)	parent (object)	-
skipped	-	pending (boolean)	-	deferred (boolean)	-	-
root	-	root (boolean / string?)	-	-	-	-

runStart	QUnit	Mocha	Jasmine	Buster	Intern	JS Reporters
total suites	modules (array)	-	-	-	tests (array)	childSuites.length (number)
total tests	tests (number)	-	totalSpecsDefined (number)	-	tests (array)	getAllTests().length (number)
suites						childSuites (array)
tests						tests (array)