




Testing Frameworks

Framework	Language 	Best For 	Speed 
Jest	JavaScript	Unit & integration testing for modern JS apps	Fast
Mocha	JavaScript	Flexible testing with custom reporters & plugins	Moderate
Jasmine	JavaScript	Simple BDD-style testing, no extra setup	Fast
Cypress	JavaScript	End-to-end browser testing with great UI	Moderate
Playwright	JS / TS	Cross-browser automation & testing	Moderate
Vitest	JS / TS	Ultra-fast testing for Vite-based projects	Very Fast
PyTest	Python	Simple, powerful unit & functional testing	Fast
Unittest	Python	Built-in testing, good for small projects	Moderate
Robot	Python	Keyword-driven	Moderate

Framework		acceptance testing	
RSpec	Ruby	Readable BDD-style tests for Ruby apps	Moderate
JUnit	Java	Standard for Java unit & integration tests	Fast
TestNG	Java	More flexible test configs & parallel execution	Moderate
NUnit	C# / .NET	Unit testing across .NET apps	Fast
xUnit.net	C# / .NET	Modern, extensible testing for .NET	Fast
PHPUnit	PHP	Standard PHP unit testing	Fast
Pest	PHP	Elegant & minimal PHP testing framework	Fast
GoConvey	Go	Rich web UI for Go tests	Fast
Ginkgo	Go	BDD-style Go testing	Moderate
Karma	JavaScript	Test runner for JS frameworks	Moderate

Ava	JavaScript	Minimal, parallel test runner	Very Fast
Behat	PHP	BDD-style acceptance testing	Moderate
Catch2	C++	Lightweight C++ testing framework	Fast