

GUI Test tool comparison for Angular: Protractor vs. QF-Test

Protractor is based on Selenium and is using a slightly different script syntax.

The comparison with QF-Test in the following table is equally for Selenium and Protractor.

	Selenium	QF-Test
Setup and configuration		
Easy installation, also for non-programmers	X	✓
Technology support		
Web applications	✓	✓
Java applications	X	✓
Windows applications	X	✓
Combined/hybrid applications	X	✓
Target user group		
Testers	X	✓
Developers	✓	✓
Capture & replay		
Recording of actions	Firefox plug-in, restricted	✓
Recording of checks	restricted	✓
Direct editing of recorded steps	X	✓
Component recognition		
Robust object identification	X	✓
Central GUI object map	GUI objects have to be managed on code level	✓
Generic GUI object classes	X	✓
Easy direct item access e. g. trees, tables	X	✓
Use of XPath expressions	✓	✓
Automatic GUI object synchronization	X	✓
Support for dynamic ids / AJAX		
Robust recognition	X	✓
Explicit support for several popular AJAX frameworks	X	✓
Test-run analysis and reporting		
Easy-to-read run-logs	X	✓
Configurable reports	X	✓
Maintainability		
Easy maintenance	X	✓
Modularization / reusability		
Easy modularization and reusability	Requires object- oriented programming	✓
Data-driven testing		
Easy definition and integration of data sources	X	✓
IDE integration / headless testing		
Eclipse plug-in	✓	✓
Headless testing	✓	✓
Documentation (English & German)		
Comprehensive documentation	X	✓

Support services (English & German, partly French)		
Professional support from the authors	✗	✓
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