Checklist: Requirements Java GUI Test tool

Requirements	Weight	QF-Test (QFS)	Your rating	Other tool 1	Other tool 2	Other tool 3
		Regression and load tests for Java GUIs (Swing, SWT)	**of QF-Test**			
Features						
Supported platforms		Java Swing, AWT, SWT, Eclipse, RCP, Applets, Java Web Start, ULC, soon Web (browser independent).				
Supported OS		Swing: Windows, Unix, Linux, Mac OS X SWT: Windows, Linux-GTK; Solaris-GTK on request.				
Testing principle		Capture/replay for quick test creation. Extensive possibilities for sequence control, modularization and advanced scripting.				
Test structuring		Clear and concise due to graphical depiction of the test sequence as tree structure. The layered test-suite architecture enables modularization in large tests.				
Robustness of tests		Tests tolerant adverse to GUI modifications.				
Component recognition		Masters complex elements like dynamic trees and tables. Sophisticated recognition mechanism leads to extraordinary maintainability, via naming up to 100%.				
Data-driven testing		Data drivers allow for flexible integration of internal or external data, e.g. from CSV and Excel files, also direct database access. Other data sources can be integrated via script extension.				

Error analysis		Detailed run-log. Excellent debugger functionality (breakpoints and analysis of variables possible).				
Test case preparation		Dependency management for test preparation enables independently executable test cases, including automatic error handling.				
Reporting		Configurable test documentation und reports can be created at the push of a button or via command line execution.				
Expandability / scripting		Embedded Jython is a standardized scripting language including a comprehensive library. It also allows direct access to the Java API. Additional scripting languages (Groovy) are in preparation.				
Test management		Pragmatic small scale solution included. Easy integration with third party solutions.				
Maturity		High degree of maturity, available at the market since 2002. More than 400 customers worldwide.				
Usability						
Accessibility		Demo version download is free and anonymous. Evaluation license is acquired quickly, cost-free and extensible. Upgrade to commercial version simply by receiving a license file.				
Installation		Very fast, without problems, download of only 45 MB, available for Windows and Unix systems. No license registration required for demo version.				
Duration of orientation		Good and clearly structured self-starter tutorial, first tests can be run after about one hour.				

Previous knowledge required		Programming skills are not necessary for standard usage, but helpful for advanced script implementation.				
User-friendly		Easy to use, highly intuitive. Clearly structured tree view for comfortable test-case handling, supporting e.g. Copy/Paste and Drag&Drop. Capture/Replay for quick start.				
Documentation		Extensive manual and tutorial, online help via right-click.				
Test execution						
Test preparation		Simple due to automated instrumentation for the JDK and SWT-jar. Quickstart wizard for easy application integration.				
Test scripts		Concise and comprehensible. Effortlessly extendable, can be modified even during debugging.				
Verification points		Direct recording of standard checks. Customized checks possible via scripting.				
Image testing / comparison		Yes, including convenient diff view on deviations.				
Object mapping		Component information is saved in a specific area of the test-suite during recording and can be edited anytime. Mechanism for automatic updates available.				
Tests in batch mode		Yes. Extensive options for configuration via command line parameter. Can be integrated into build environments without problems. Option to start additional steps after a test run through a return value.				
Error handling		Automatic error handling, which grants continued execution of the whole test.				

Run-logs and reports		Detailed run-logs contain all information for an effective error analysis (incl. screen shots of application once an error occurs). Summary reports in HTML und XML.				
Test modification		Tests can be edited fully and modified at arbitrary position. Test debugger offers valuable assistance.				
Maintenance effort / reusability		Low effort and high degree of reusability due to stable component recognition and modular build.				
Teamwork		Modular structure of tests and an import mechanism for the component information enable smooth team work.				
Formats and version management		Both test-suites and run-logs are XML files and thus well-suited for version management.				
Licenses and prices						
License type and duration		Floating, permanent.				
License price		Single license 1595 € (Swing or SWT) resp. 1995 € (Swing and SWT). The price per license declines with higher numbers or due to concurrent maintenance purchase.				
Variations		Developer and runtime licenses available as Swing only, SWT only or Swing + SWT. Leasing and upgrading possible.				
License server		Not necessary. License management can be handled locally without additional effort.				
Support and service						
During evaluation		Free, via phone / e-mail, active contact and support offered.				

Community / discussion forum		Mailing-List available. Short response times, also from QF-Test developers. Large list archive.				
Commercial support		Annually extendable maintenance contract (support and updates). Very short response times. Individual support onsite or via webinar.				
Consulting / training		Available, both at customers site and regular training sessions at QFS.				
Total result						