



Automation of Functional GUI Tests for Java Applications with qftestJUI

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Overview

- Quality First Software GmbH
- GUI Testing in General
- Specifics of Java/Swing Test Automation
- qftestJUI Live Demonstration
- Summary
- Questions...





Quality First Software GmbH

- Established 2001
- Based near Munich
- Committed to quality
- Focus on Java and test automation
- Over 150 customers worldwide in all kind of business categories





Customers and Partners































GUI Testing in General

- Test the system as a whole through the GUI.
- Test from the point of view of the end user.
- Manual GUI testing is time consuming and tedious.
- Automation has a high potential for savings.
- Automation pays off only if tests remain stable over long periods.





Specifics of Java/Swing Test Automation

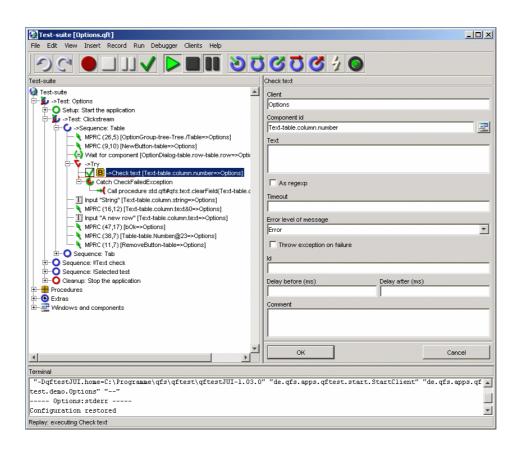
Advantages:

- Cross-platform testing: "Write once, test everywhere".
- Developers can set individual identifiers for components.
- Access to the application's objects and methods.





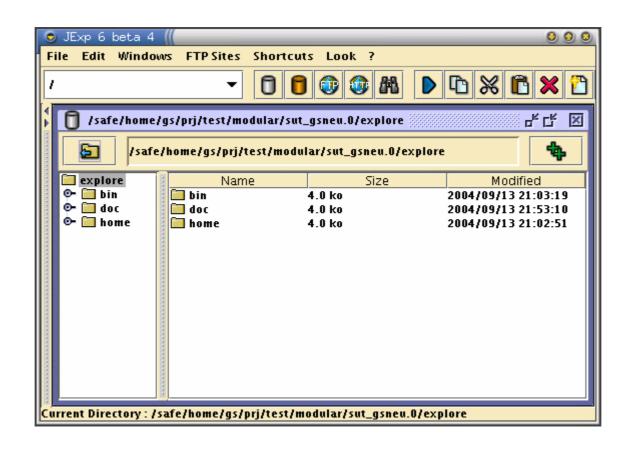
qftestJUI - Live Demonstration







Example SUT (System Under Test)



JavaExplorer – A typical file explorer implemented in Java (JExp from SourceForge)





Why qftestJUI?

- 1. Cross platform testing
- 2. Support for trees and tables
- 3. Tests tolerant to software changes
- 4. Intuitive user interface
- 5. Ease of use due to capture/replay
- 6. Clear structure of complex test cases
- Integrated debugger
- Direct Access to Java API
- 9. Industry standards XML, Python
- 10. Comprehensive documentation





Coming soon...

- 11. SWT / Eclipse
- 12. Legacy testing with Java Terminal Emulation
- 13. Live unit tests





Thank you for your attention

Intrigued?

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