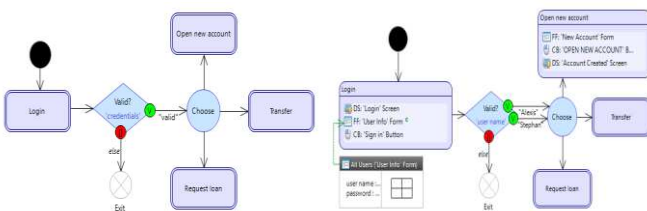# Creator

AUTOMATIC TEST DESIGN SOFTWARE

How can you reduce agile testing time and costs while also improving test coverage?

Model Based Testing (MBT) addresses the growing demands on functional test design, especially for agile projects. Testing is more than just test cases; it also involves integration with the systems development lifecycle (SDLC) process. The most advanced approach models the behavior of the system under test from requirements and then with user selected test design heuristics it fully automatically generates the optimized number of test cases, documentation, and executable scripts.

Conformiq Creator™ is the most automated and technically advanced test design tool, making it the most technically capable MBT tool for test design of enterprise and IT applications, including web services, user interfaces, middleware, APIs, mainframes, mobile, and end-to-end systems.

Creator leverages AI technology in its test design engine to automatically interpret the model and logic to automatically think of and generate optimized test cases, reports documenting test coverage, plus the executable test scripts and test validations for automated execution in the platform of your choice.

Progressive agile modeling of application functionality

With Creator version 3, Business Analysts can start drawing models that capture business requirements of the application to be created. As additional information is decided, it can be added by testers with a simple drag and drop process from a set of pre-built model libraries.
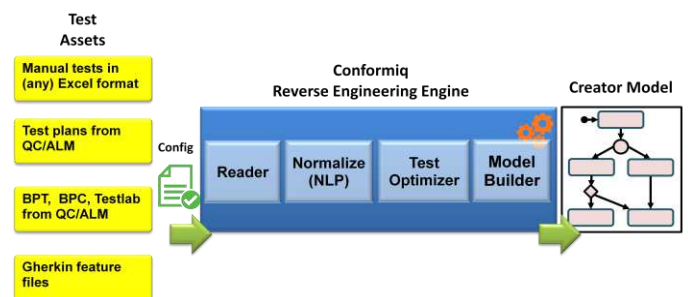
Creator is more than just test case optimization – it is optimized test design for fully automatic test execution!

> **Creator's AI-based test design engine is 2 to 20 times faster than manual test case design and manual script creation**

History suggests the biggest barrier to adopting MBT is modeling itself. Conformiq Creator eliminates that barrier. Graphical models enable early application flow peer review and tests are ready prior to code drop.

Model changes to match design changes generate an impact analysis of all changed test cases plus new tests.

Creator Reverse Engineering also leverages AI technology to accelerate modeling and dramatically reduce the effort for any application. Creator can import existing test assets such as manual test cases, ALM test plans, Micro Focus BPT components, Gherkin feature files, Visio, and BPMN assets among others, and automatically eliminate test duplication to generate an optimized model as the basis for modeling additional application functionality.
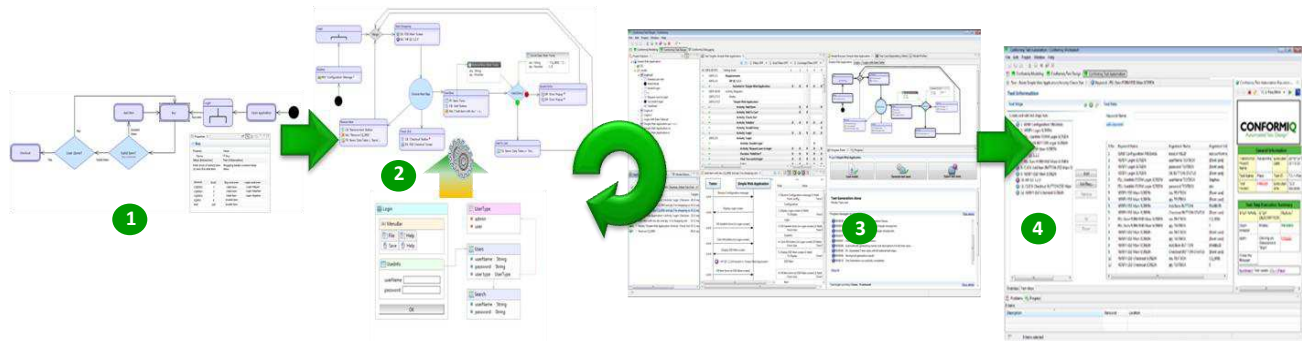

Automatically reverse engineer existing test assets into models

Creator Benefits

- **Faster Test Design**
- **Shorter Testing Times**
- **Higher Test Quality**
- **Better Known Test Coverage**
- **Tight coupling with SDLC tools**
- **Directly Executable Test Scripts & Validations**

Model as the application design is known. Generate the test cases and test at the speed of agile sprints. Have tests ready for automated execution prior to code drop.

CONFORMIQ

360° Test Automation ™

Conformiq Creator version 3 delivers a full agile end2end testing process: 1 - BAs initially model architecture; 2 - testers add interface actions as known; 3 – automatically generate coverage reports, automation scripts and validations; 4 – automated test execution

CREATOR ELIMINATES

- **Manually designing and maintaining test cases**
- **Manually writing executable test scripts**
- **Manually determining correct test results**
- **Manually maintaining requirement traceability**
- **Manually writing and updating test documentation**
- **Manually managing test automation backlog**
- **Manually transferring information between SDLC tools**

Do comprehensive testing at the speed of development

AUTOMATIC TEST DESIGN

Conformiq Creator does not execute tests but tightly integrates with users existing SDLC tools and test frameworks. Creator follows a four-step process:

1 2 Model Capture

Conformiq Creator enables the creation and/or import of requirement based graphical models without programming by BAs and testers. Users create flow and structure diagrams of the system. **Reusable assets** including Visio, BPT, Gherkin feature files, plus XSD and WSDL structures, and UFT/LeanFT and Selenium tests and data object repositories can be imported.

Creator interfaces with requirements and test management tools including those from Atlassian, CA Rally, IBM, Micro Focus, and Microsoft.

3 Fully Automatic Test Generation

Multiple test design algorithms are available singularly or in combination to automatically generate an optimized minimum number of test cases that fully cover user requirements and data. A model browser detects problems and enables user selection of requirements to be tested. The Creator AI-based test design engine uses multi-core processing when scalability is needed to quickly generate executable test scripts, test input data, test case names, plus test step documentation in any language and automatically generates traceability, message sequence charts, and graphical test coverage.

4 Integration and Execution

Directly executable source code test scripts are automatically generated in any language and format enabling seamless integration with user's test execution frameworks. At the same time Creator generates full test documentation and test plans to Excel or an ALM tool. Non-English modeling and reporting is supported. Project stakeholders can review generated customized Excel, HTML, and XML formatted reports.

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