



JUBULA
the functional testing tool

JavaFX testing with Jubula

Bredex GmbH

Sebastian Struckmann



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Agenda

- What is Jubula?
- Architectural Overview
- Having some fun...
- Concepts
- JavaFX support in Jubula



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What is Jubula?

- [Eclipse project](#) since 2011
- Automated functional GUI testing
- Code-free keyword-based black-box approach
- Human-readable test steps
- Robust UI-widget recognition

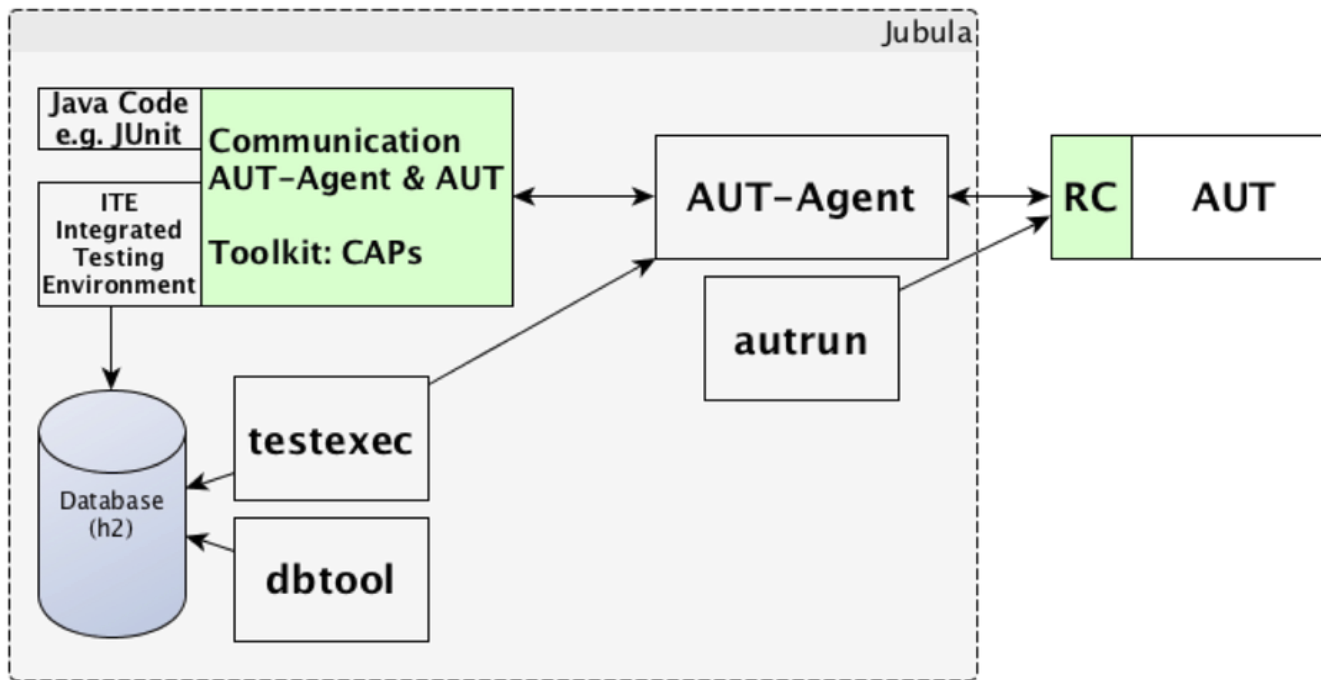


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Architectural Overview





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Let's have some fun...

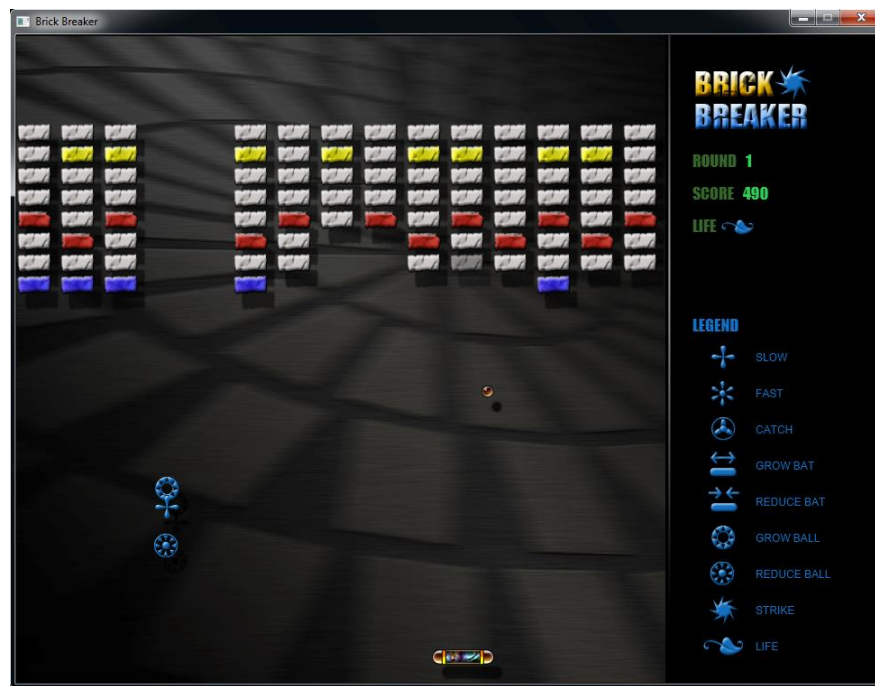


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... and break something!





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The concepts

- Toolkits





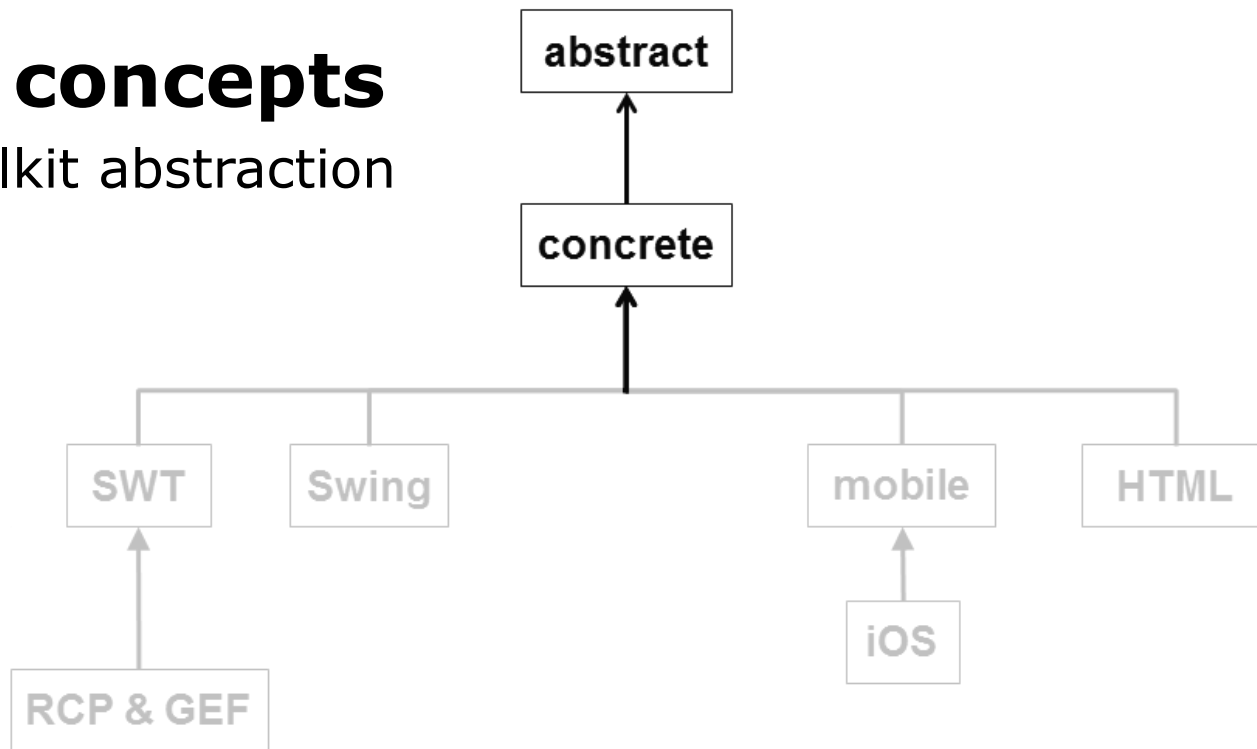
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The concepts

- Toolkit abstraction





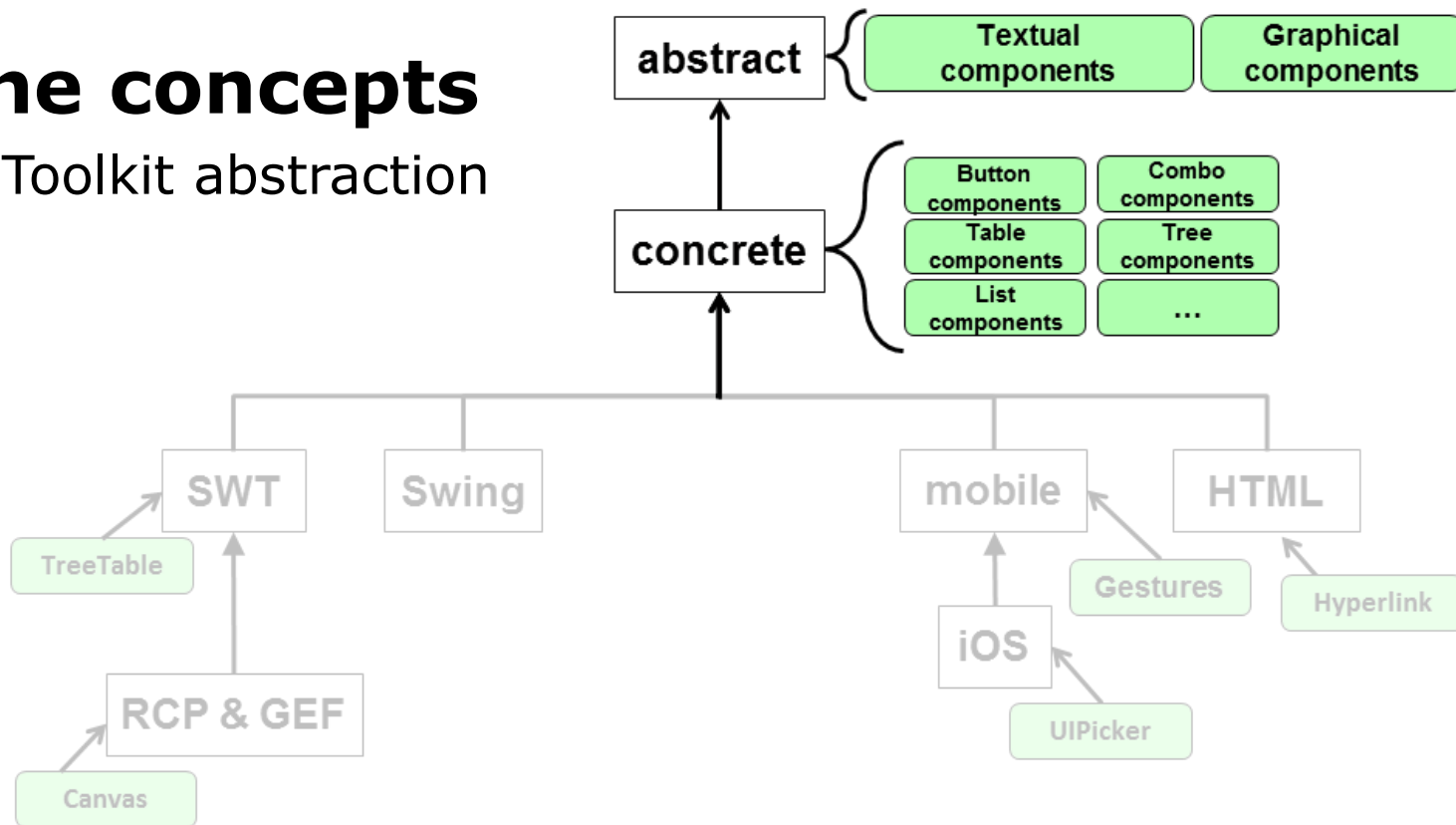
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The concepts

- Toolkit abstraction



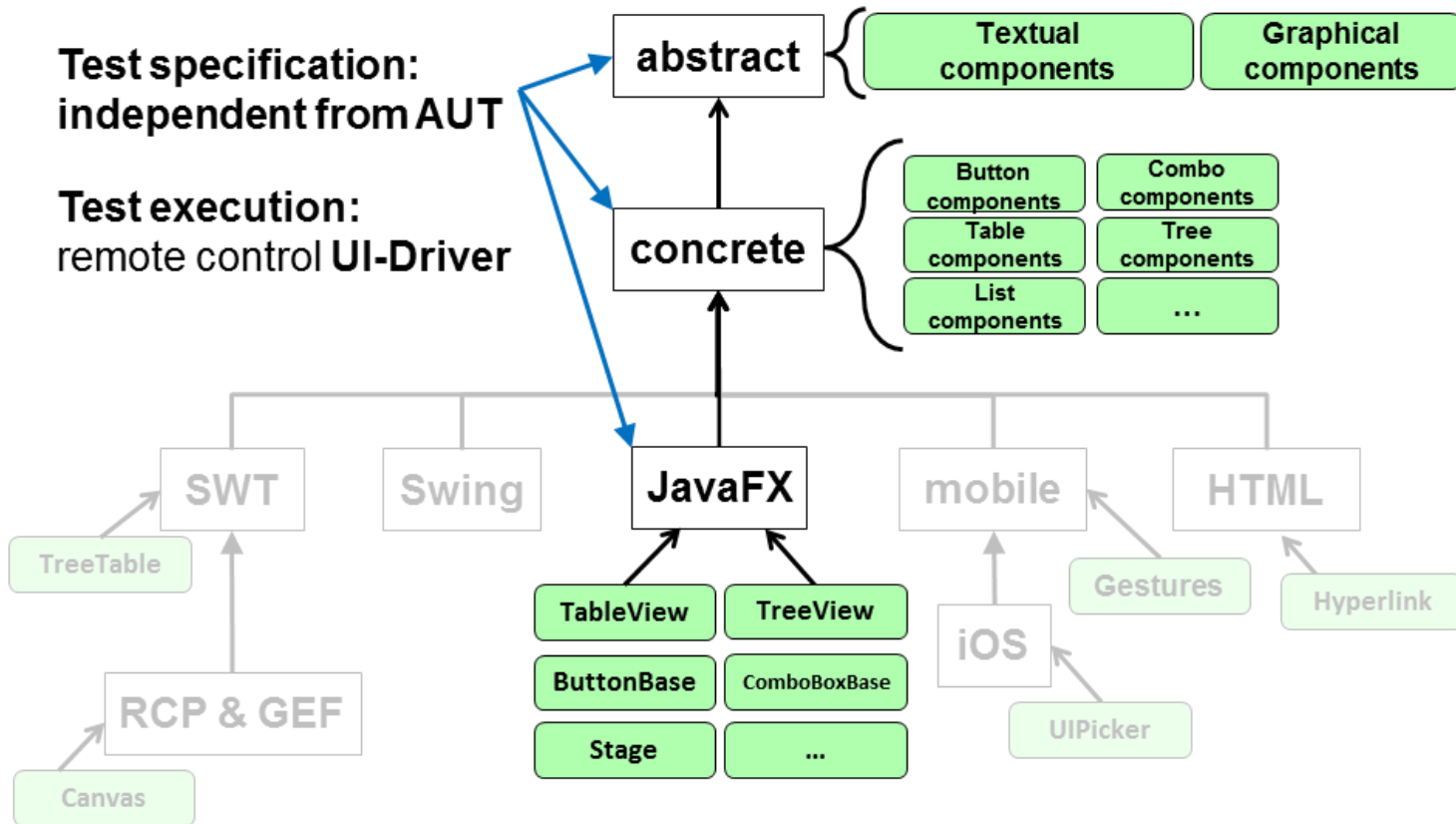


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Test specification:
independent from AUT

Test execution:
remote control **UI-Driver**



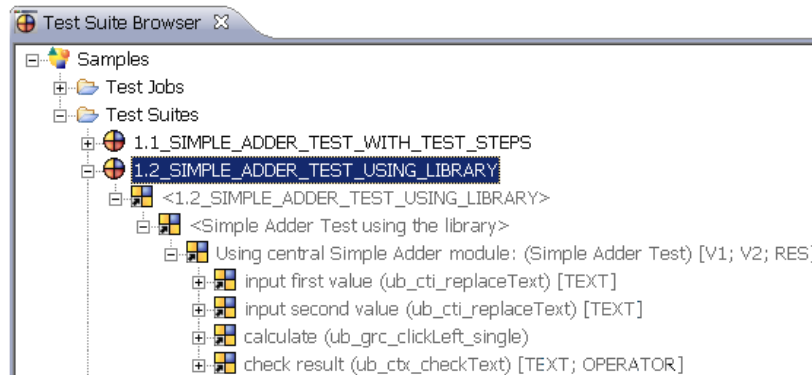


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Object Mapping



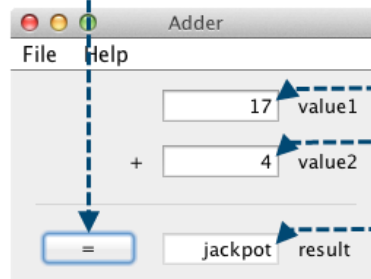
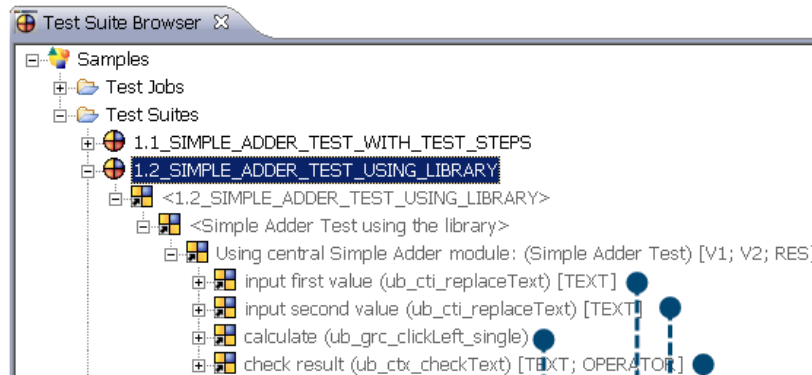


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Object Mapping



Swing

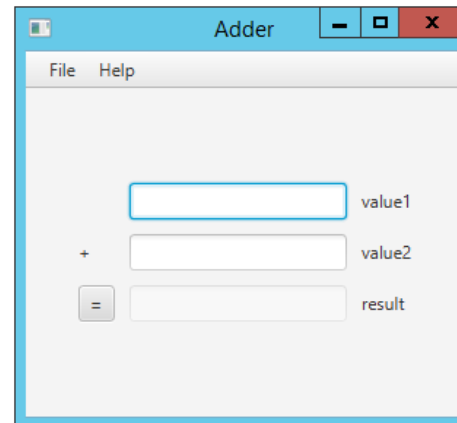
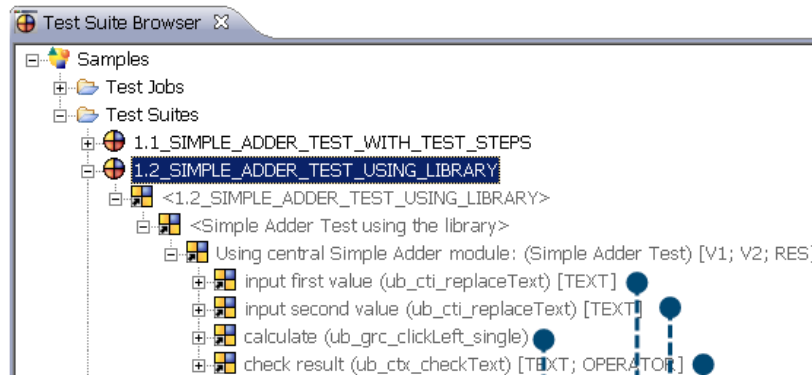


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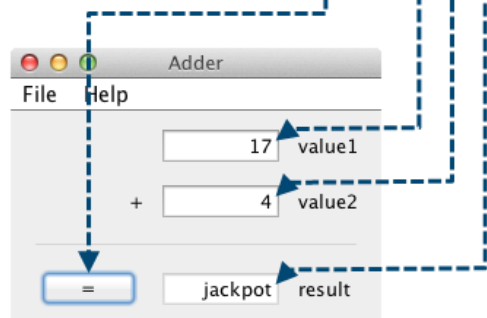
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Object Mapping



JavaFX



Swing

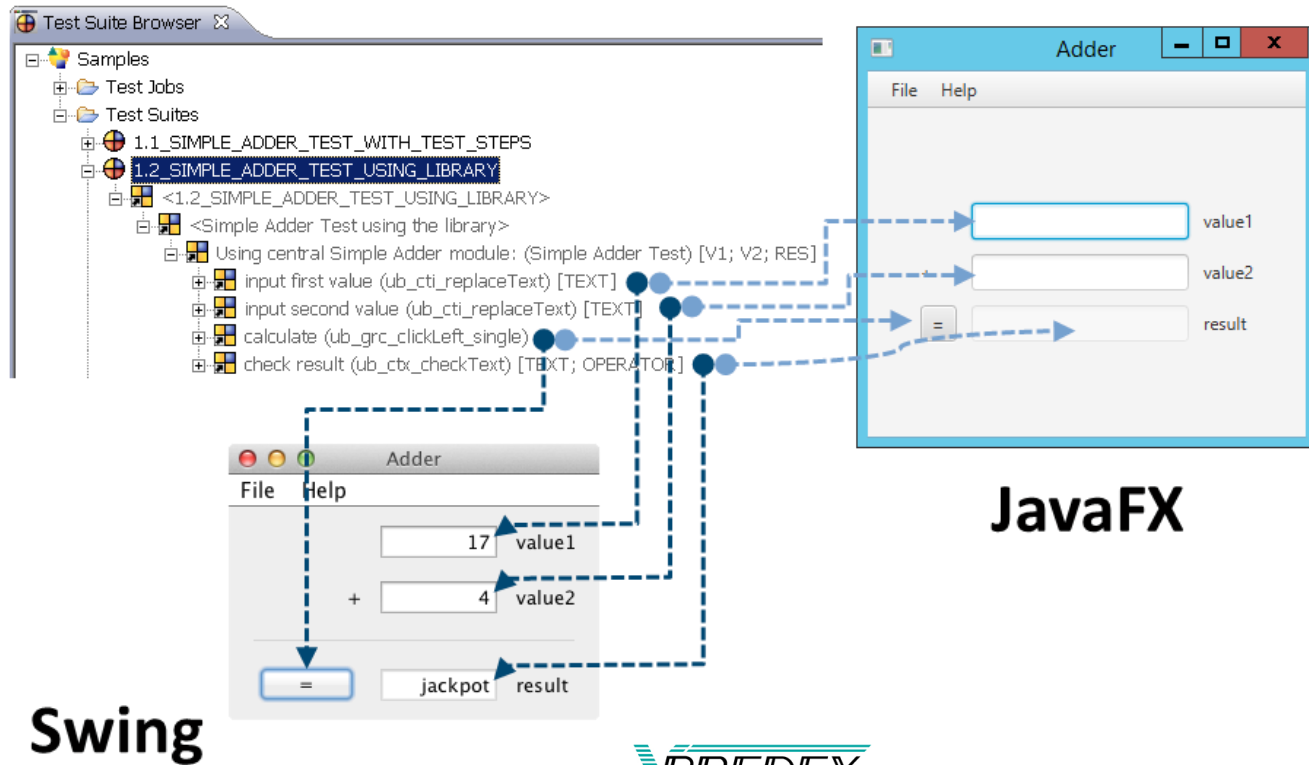


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Object Mapping



Swing

JavaFX



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JavaFX support in Jubula

- JavaFX on Java 8
- Standalone and e(fx)clipse based AUTs
- Supported widgets:
 - Accordion, Button, CheckBox, ChoiceBox, ComboBox, Label, ListView, MenuBar, MenuButton, PasswordField, RadioButton, ScrollPane, Stage, TabPane, TableView, TextArea, TextField, TitledPane, ToggleButton, TreeTableView, TreeView, ImageView
- Toolkit-Status @ [Eclipse-Bugzilla](#)



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Getting started

- Get the latest version of Jubula:
 - <http://testing.bredex.de>
- First steps
 - Help -> Cheat Sheets



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Thanks!

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