

JAZZ00N08

THE INTERNATIONAL CONFERENCE ON JAVA TECHNOLOGY
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Title of Lab **Agile Testing of Rich UI Swing Applications**
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Short Abstract (approx. 1000 characters)

We will build up and use a comprehensive technical infrastructure for testing Java Rich Client applications. Based on an example Swing application we explore unit-testing components with TestNG. We discover that TestNG usage benefits especially if you want to group your tests, introduce dependencies or test concurrency.

We explore functional tests by using Jemmy for driving interactions on our UIs and Fit for writing state of the art acceptance tests in HTML syntax. We integrate Jemmy, Fit and TestNG to specify and drive our functional features. We integrate component and functional tests to overcome the technical barrier which is in place normally.

Finally we integrate all our free available tools with Ant and TeamCity. Our unit tests and functional tests run in a row continuously. Our full-fledged continuous integration and test-driven development environment gives feedback about the application quality and sync the application specification with the current application behaviour. We can trigger, monitor and react on (hopefully not broken) builds while using the TeamCity Web 2.0 UI or work seamlessly and do the same, additionally start remote runs and delayed commits from inside our IDE like Eclipse or IntelliJ IDEA.

Targeted Audience **Mainly developers, but also project manager**

Skill level of the Lab **Beginner to intermediate**

Prerequisite skills **Basic Java knowledge**

Installation of software **See readme.txt in download bundle**

for participants notebooks required? **Yes, to profit most**

If yes, please specify software **See readme.txt in download bundle**

If pre-installation required or possible, specify download location

<http://huettermann.net/talks/jazoon2008/readme.txt>

If on-site installation is possible, specify method **Download bundle under given URL best is to prepare infrastructure in advance**