



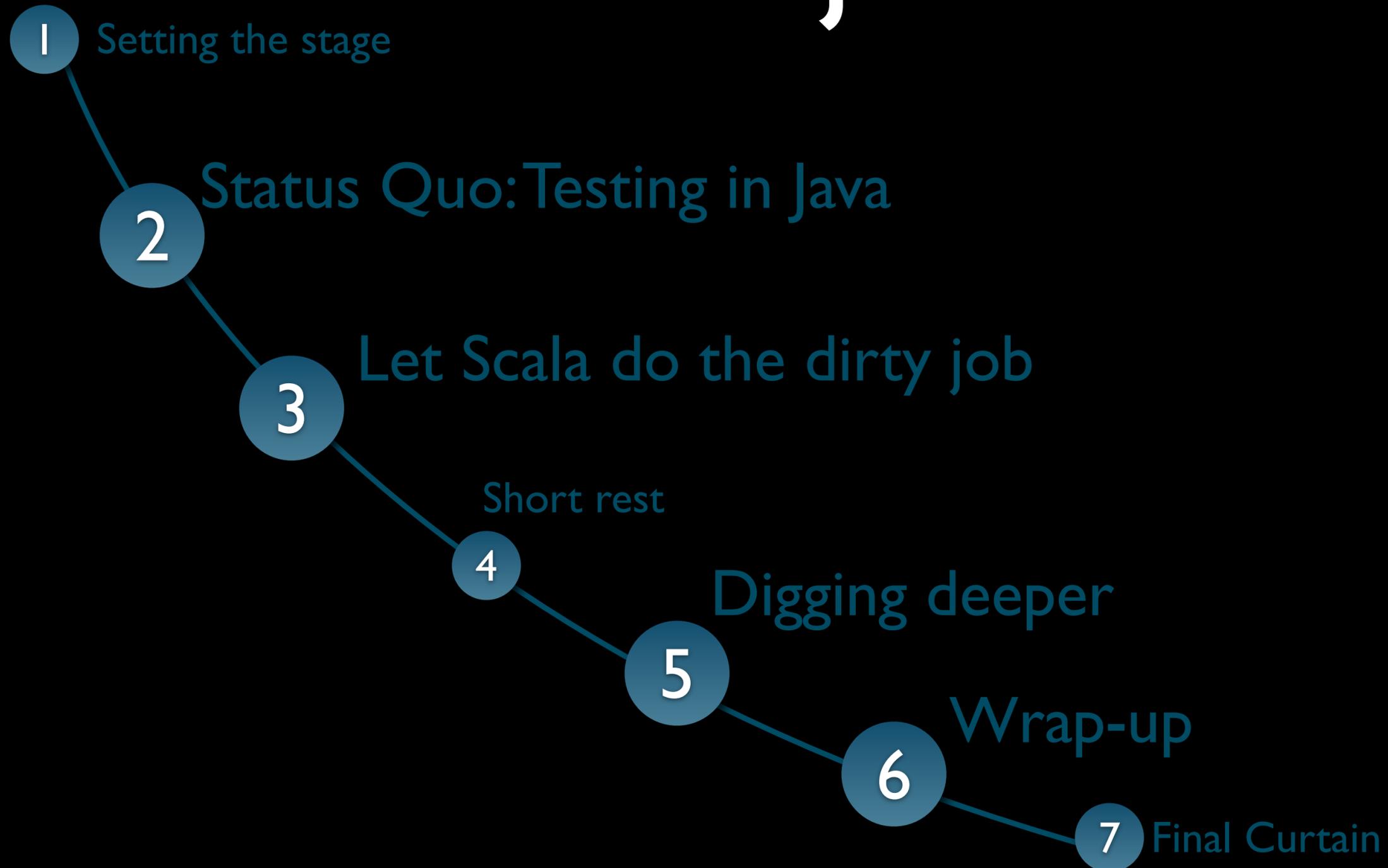
# Give Scala a try?

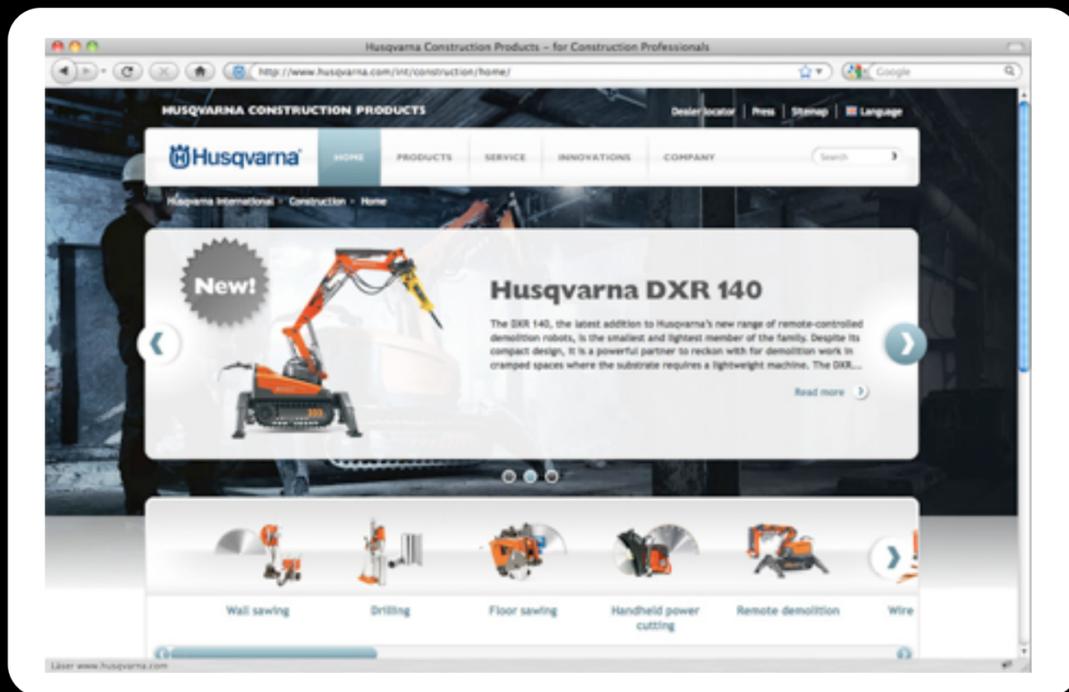
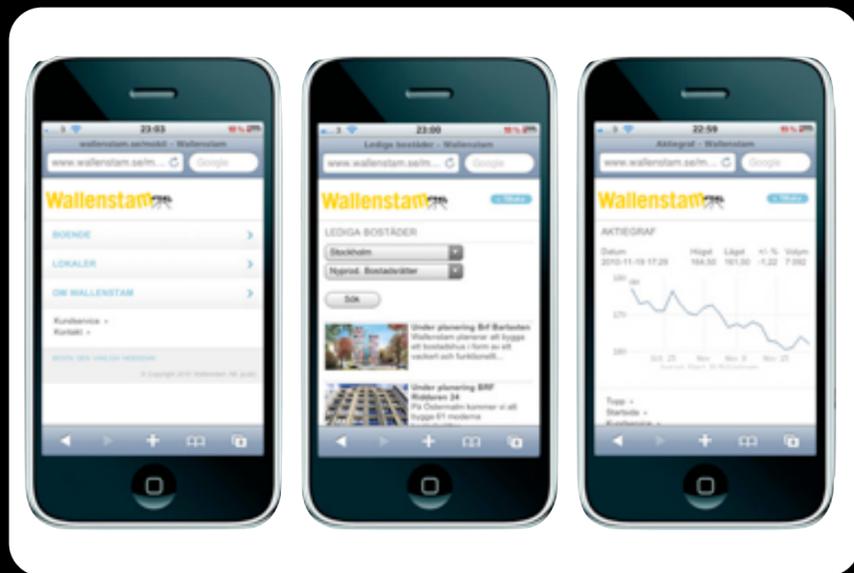
Test your Java code with Scala

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# Hej!





# Scala

General purpose  
language

Statically typed

Object-oriented

Functional

JVM language

CLR language

# Testing in Java



# Test Support / Convenience

AbstractTestDataCreatingTest

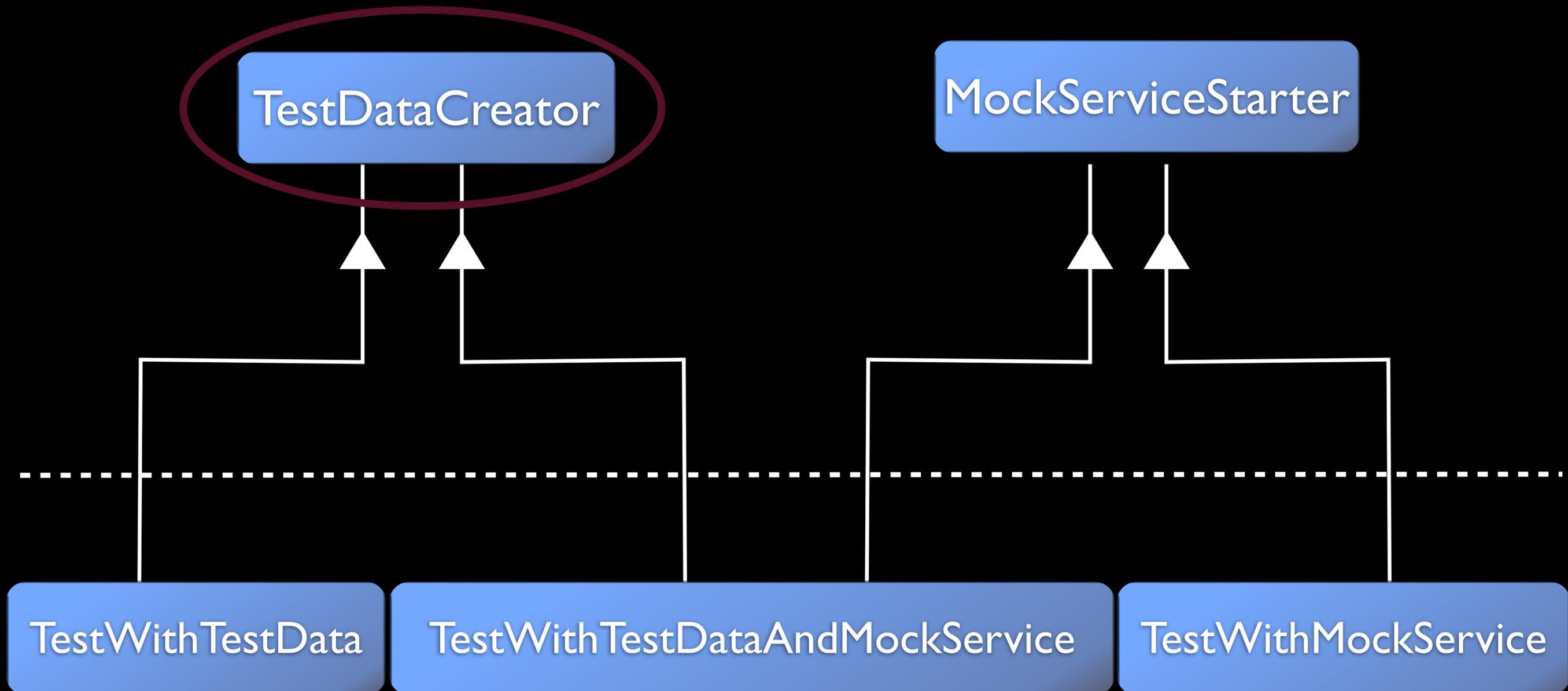
AbstractMockServiceStartingTest

TestWithData

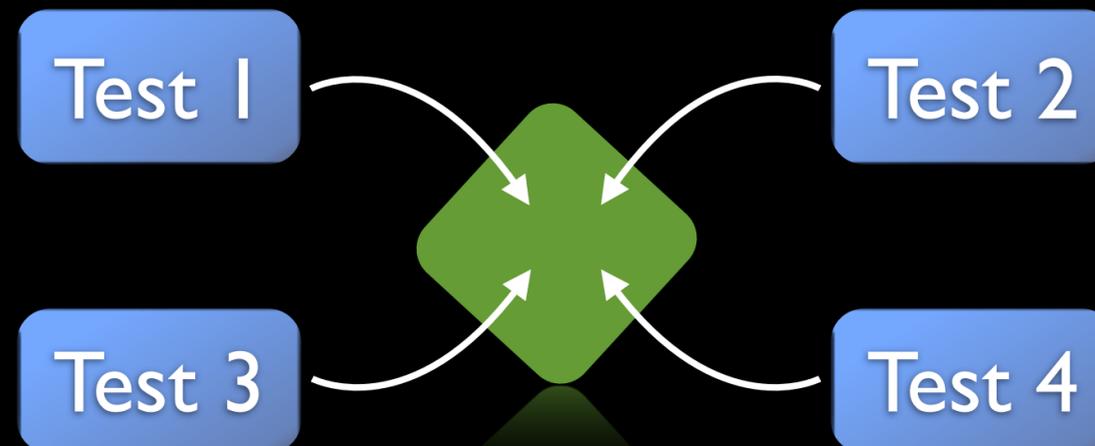
TestWithDataAndMockService

TestWithMockService

# Test Support / Convenience



# TDD Anti Patterns



- Shared test data -> TDD Anti-Patterns:
  - "The Uninvited Guest"
  - "Excessive Setup"

(More TDD anti patterns: <http://bit.ly/bzQ5lZ> )

# Test Data Setup

Task:

Setup a collection of celebrities





# Get destructive



## Task:

Test our celebrity creation service with weird, invalid celebrities

# Short rest



# ScalaTest



- Scala's Test Framework
- Integrates with JUnit and TestNG

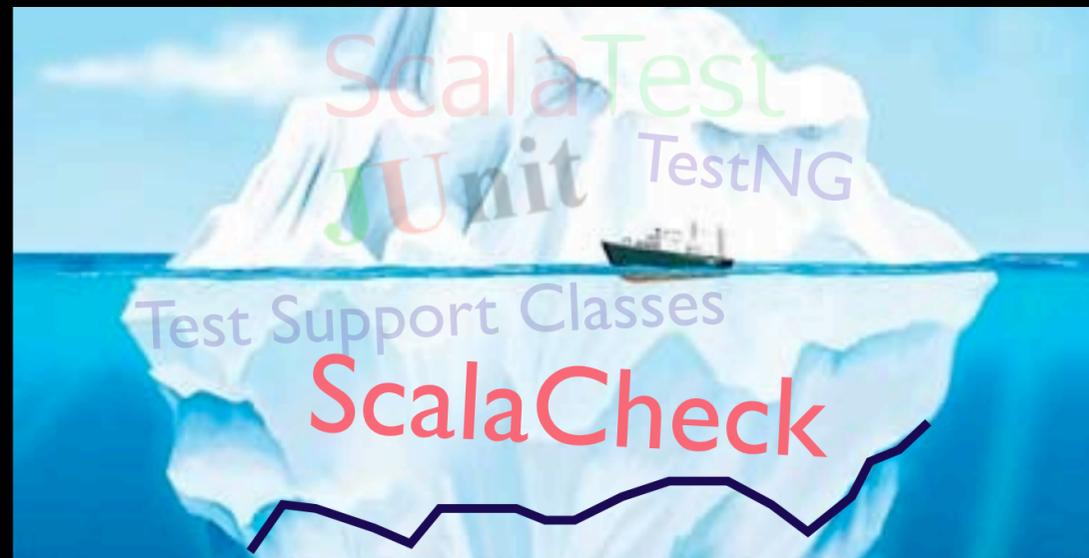
# Resurrection

Task:

Test our new service to resurrect celebrities



# ScalaCheck



- Port of the QuickCheck library
- ScalaCheck tries to falsify assumptions ("Brute Force")
- Generators produce test data

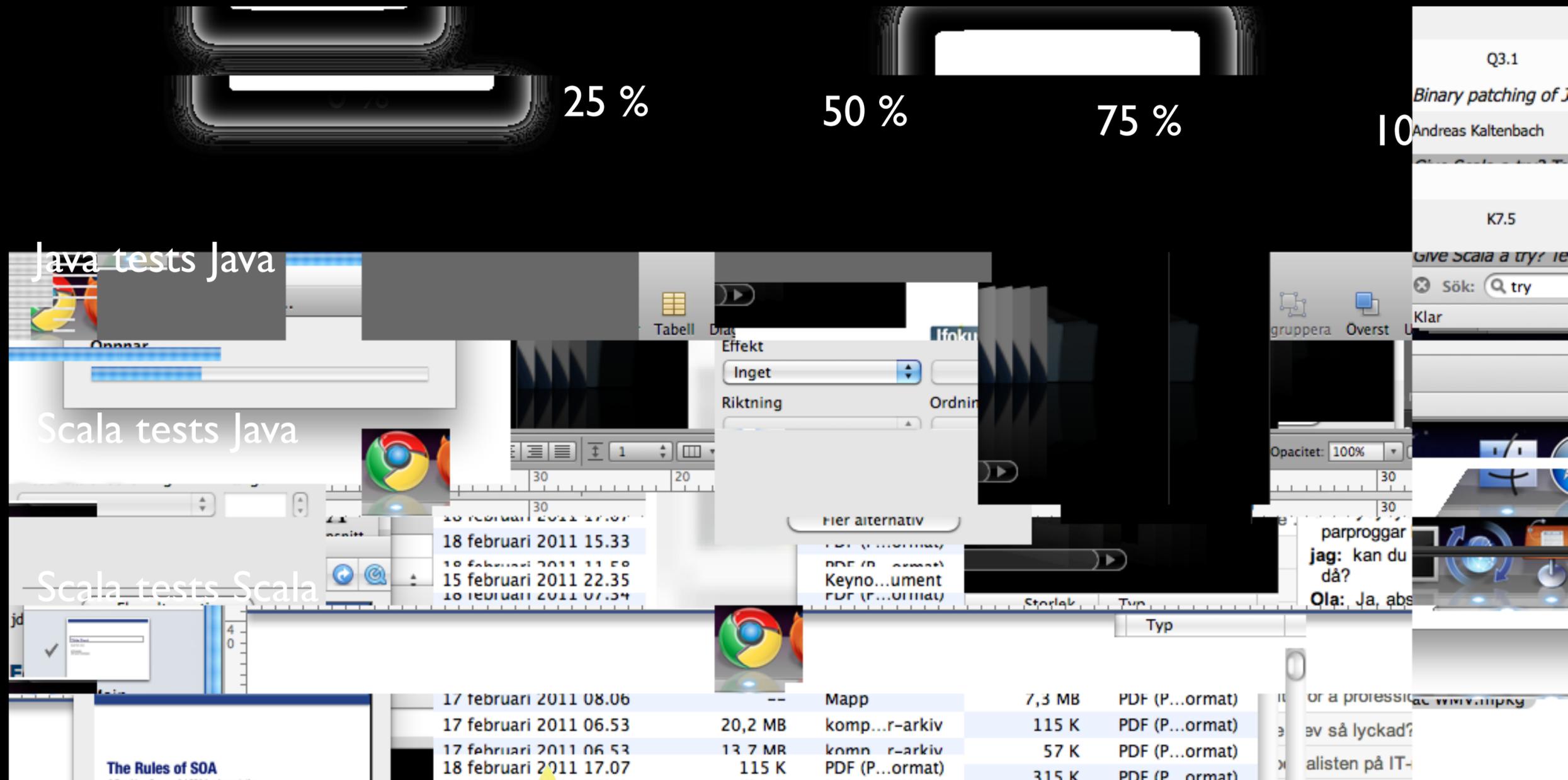
# Celebrity Generator



## Task:

Deliver a CelebrityGenerator to produce on-demand celebrities for testing purposes

# Less code, less pain



# Good Reasons

Motivation

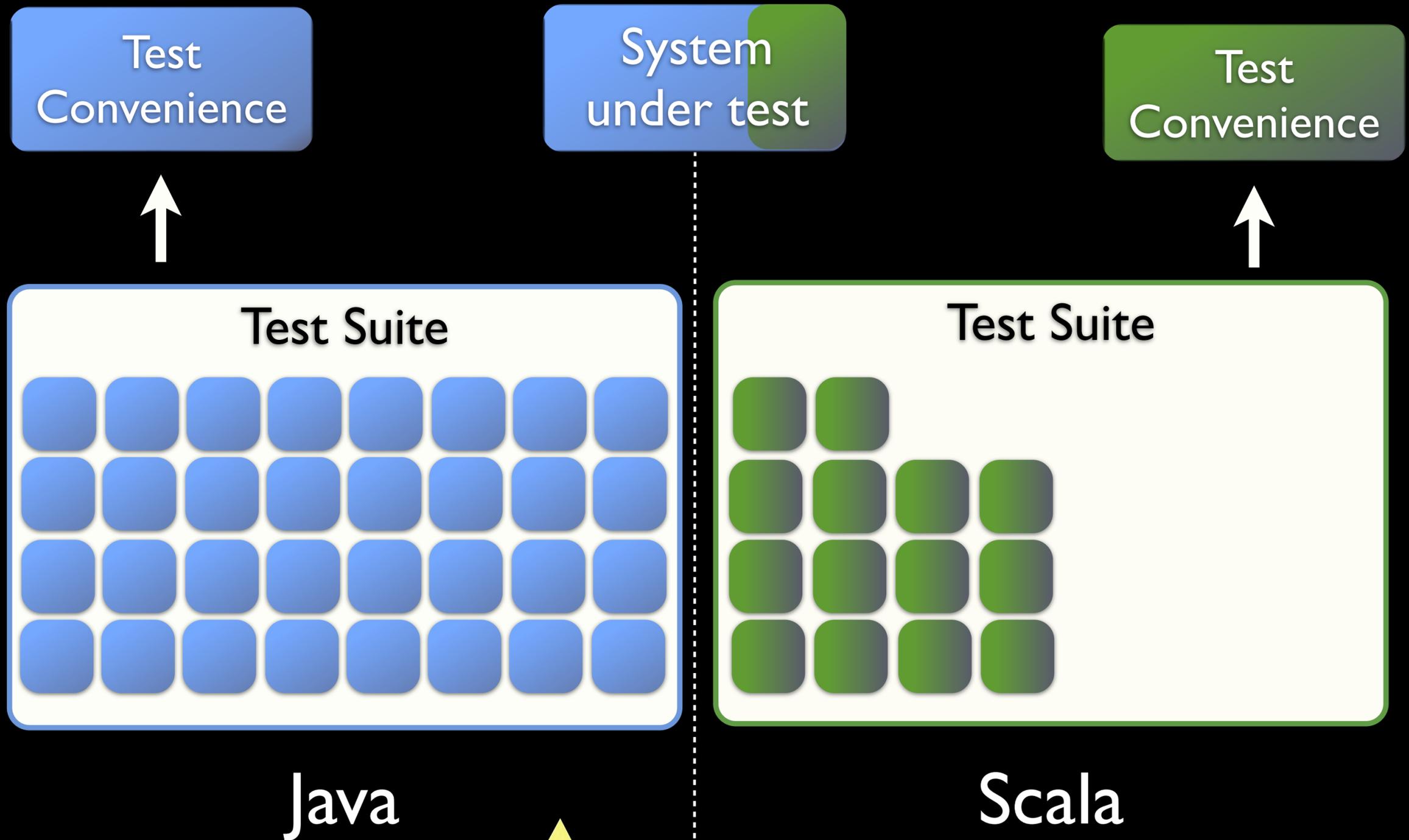
Conciseness

Never touch a  
running system

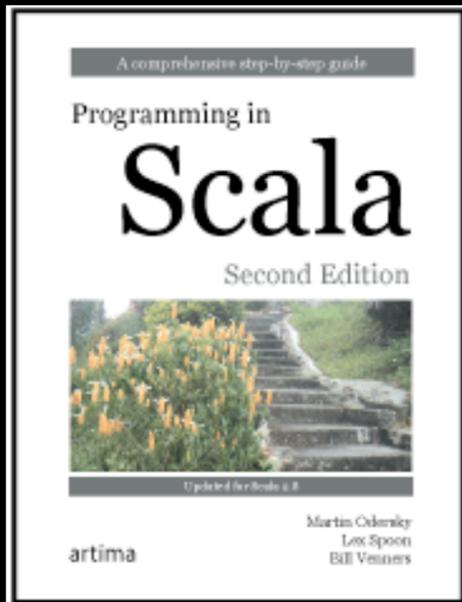
"Get well soon"

Door opener

# Minimally Invasive Surgery



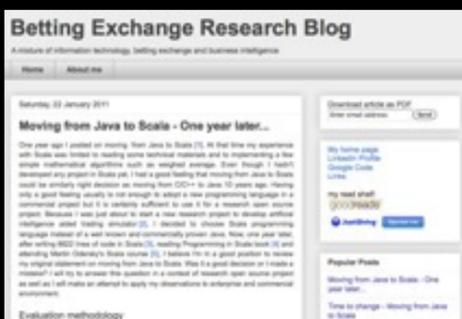
# Hej då!



## Book tip:

### Programming in Scala (2nd edition)

[http://www.artima.com/shop/programming\\_in\\_scala\\_2ed](http://www.artima.com/shop/programming_in_scala_2ed)



## Blog tip:

### Moving from Java to Scala - One year later...

<http://blog.danmachine.com/2011/01/moving-from-java-to-scala-one-year.html>

## Git Repo tip:

### All examples @ github

<http://github.com/andreaskaltenbach/UnitTestsWithScala>

