Unit Testing In Java With JUnit

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hardcore developer training

Who **This Course Is For**

- **Java Developers!**
  - □ Learn unit testing basics
  - □ Integrate JUnit
  - □ Beginner level knowledge of Java
- **Not about TDD or techniques**
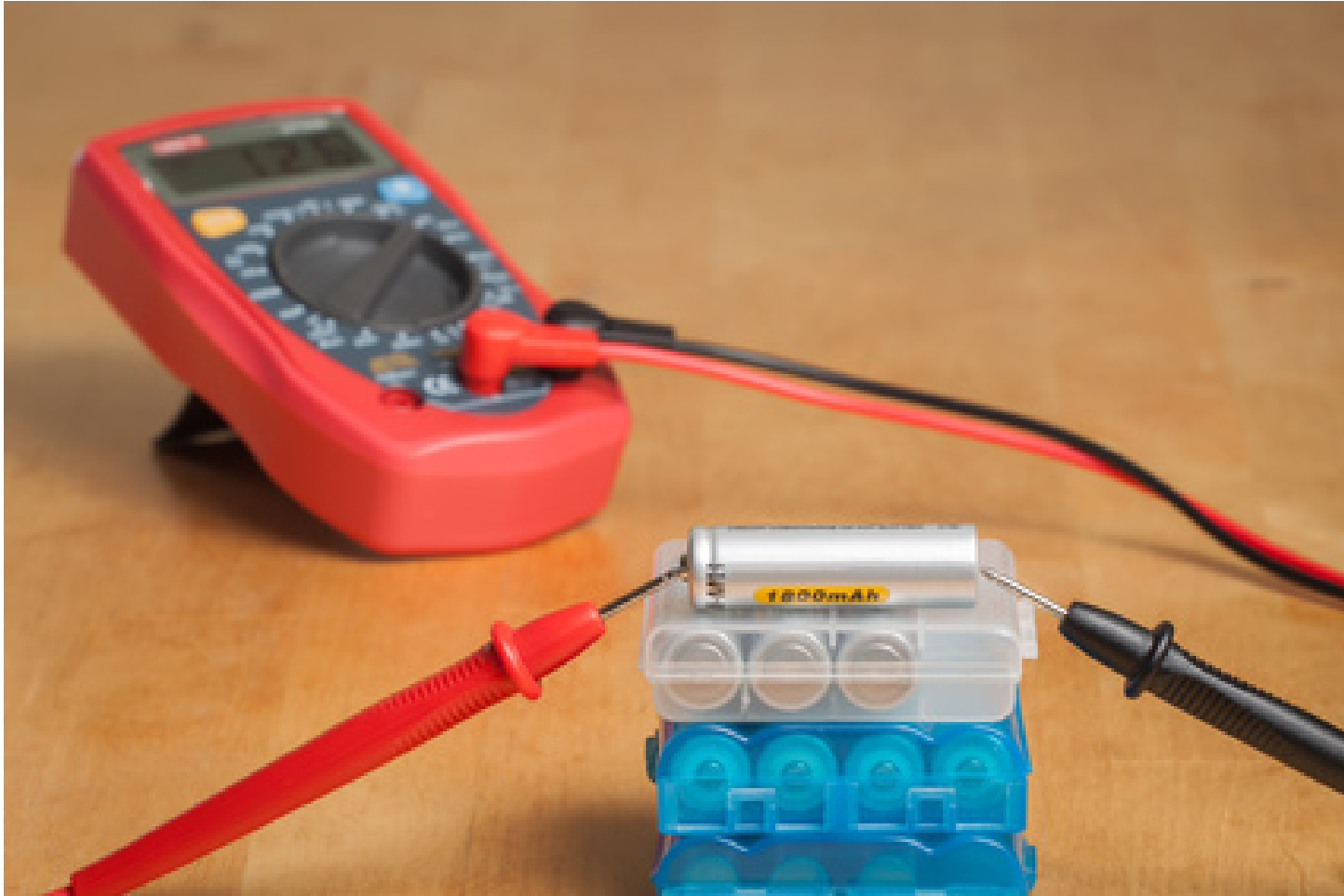 - □ Other excellent courses on that subject

Course Overview

- **Module 1: JUnit Overview**
  - What JUnit is and unit testing
  - Setting up JUnit
- **Module 2: JUnit Basics**
  - The stuff you NEED to know
- **Module 3: Advanced JUnit**
  - Optional features that can be very useful
- **Module 4: Integration JUnit**
  - Working with build tools
  - Reporting results, etc
- **Module 5: Beyond JUnit**
  - Complementary tools
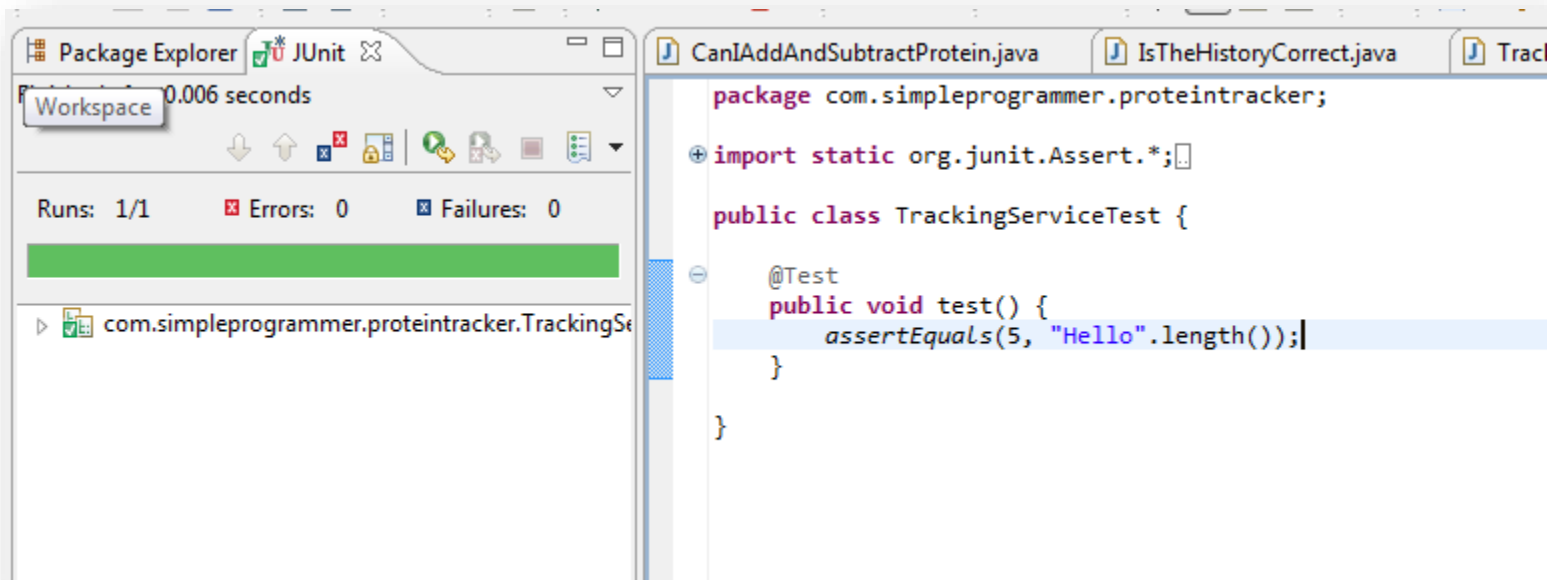 - Other uses besides unit testing

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Junit
A programmer-oriented testing framework for Java.

    [  View on GitHub  ]
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JUnit 4

JUnit is a simple framework to write repeatable tests. It is
an instance of the xUnit architecture for unit testing
frameworks.

For more information, please visit:

>>  Wiki
>>  Download and Install guide
>>  Getting Started
```

http://junit.org

What Is JUnit?

JUnit is a unit testing framework for Java
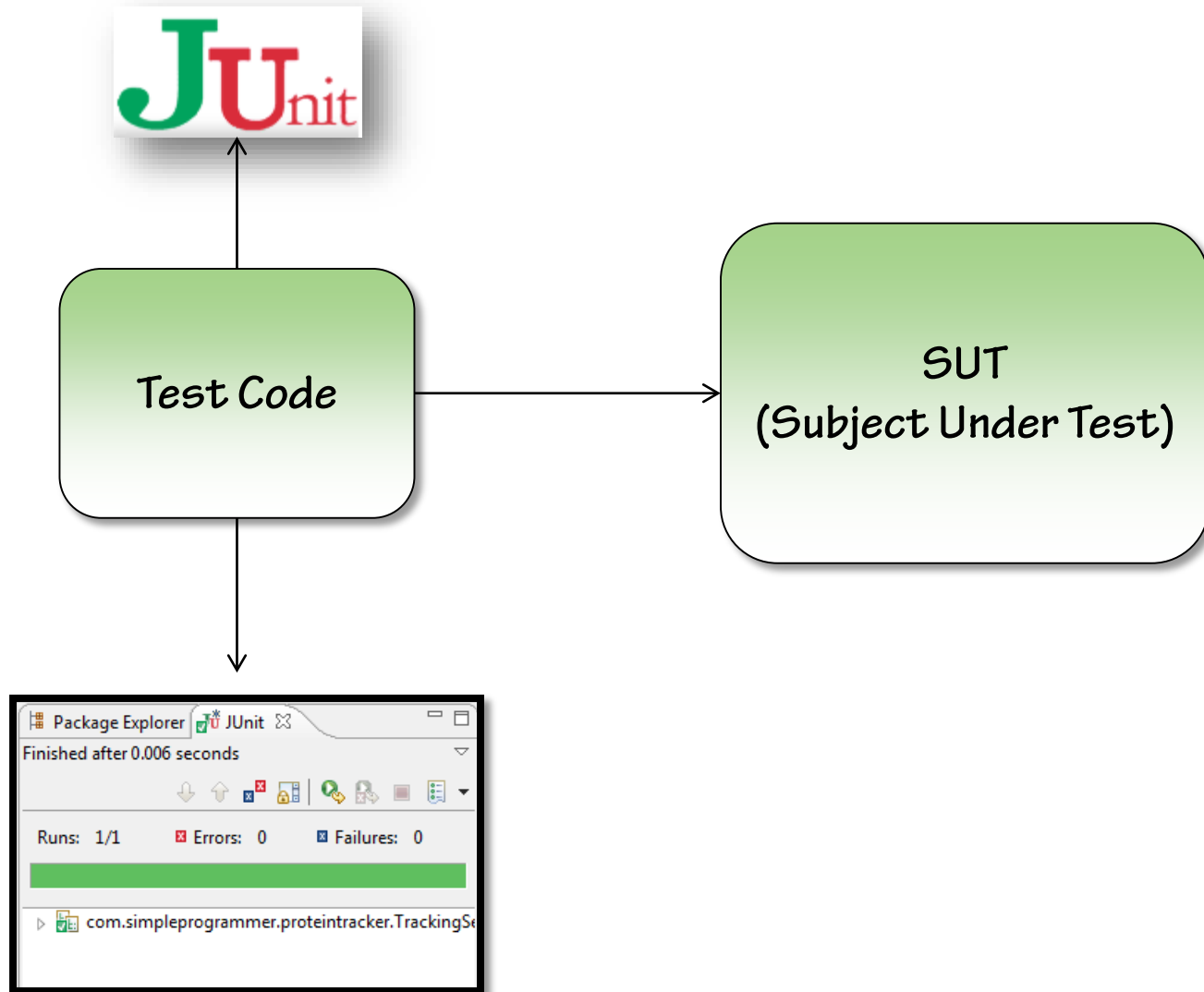
JUnit

Write tests, run them, see results!

JUnit Features

- **Asserts**
- **Test setup and teardown**
- **Exception testing**
- **Test suites**
- **Parameterized testing**
- **Assumptions**
- **Rules**
- **Theories**
- **Integration with popular build systems**

JUnit

What Is Unit Testing?
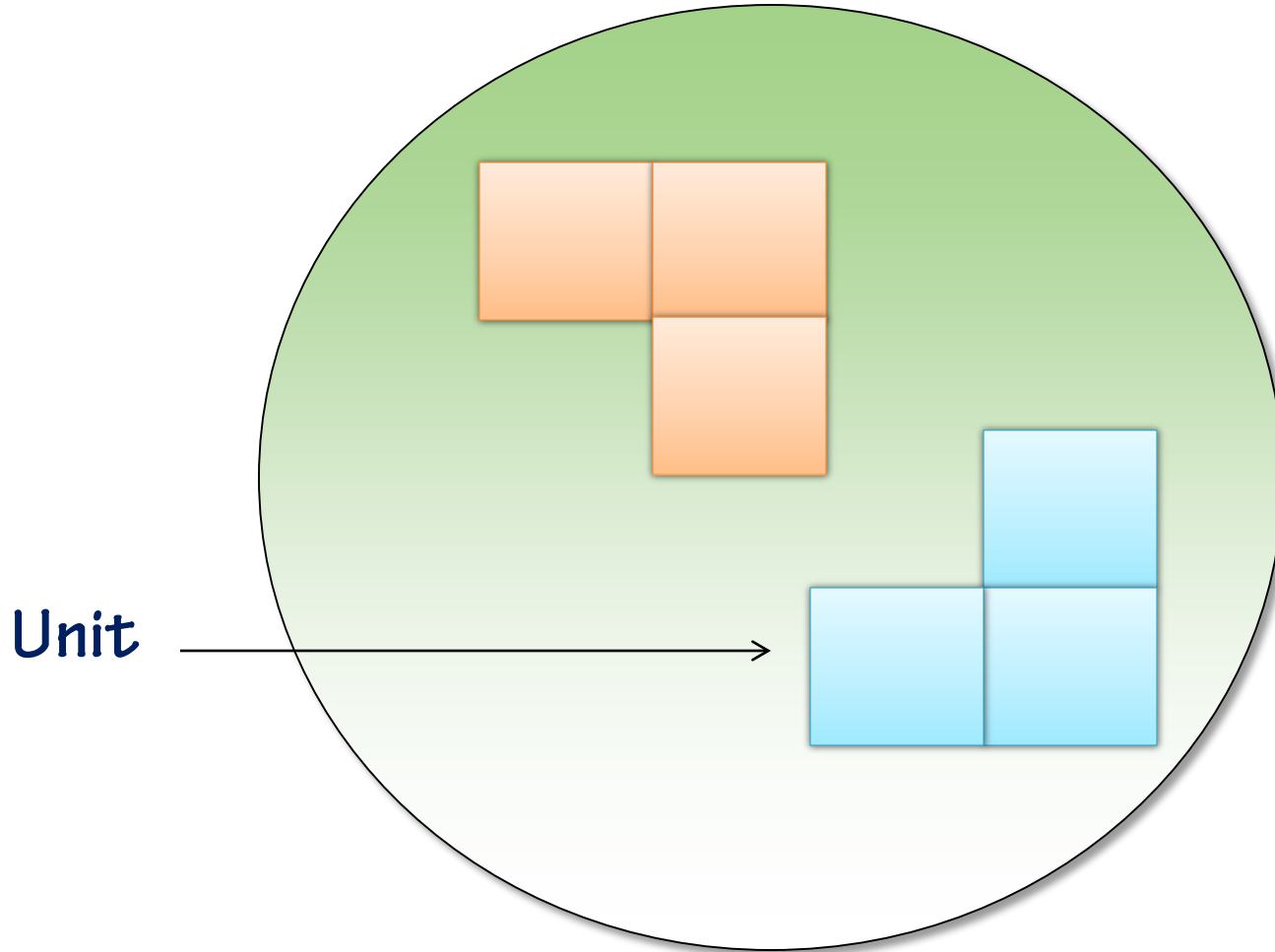
Unit →

In Java the smallest "unit" is a class

More On Unit Testing

Outside-In Test-Driven Development

Learn how to apply Test-Driven Development to target both the big picture and the smallest details of your application.

Authored by: Mark Seemann
Duration: 2h 27m
Level: Intermediate
Released: 1/16/2013
Features: CC
Course Rating: ★★★★⯪

g +1 6   Tweet 0   Like 9   Send   Share

http://psight.me/103cS55

Test First Development - Part 1

Test first development techniques and practices with C#, Visual Studio, and NUnit

Authored by: Starr , Allen
Duration: 3h 33m
Level: Intermediate
Released: 11/16/2010
Course Rating: ★★★★⯪

g +1 6   Tweet 0   Like 26   Send   Share 16

http://psight.me/13MpbG0

… and more, just search on "unit testing"
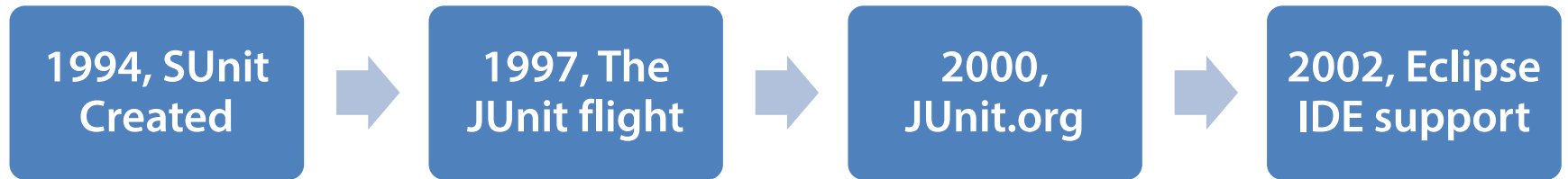
History of JUnit

The origin of the elite fighting force known as "J Unit"

Kent Beck

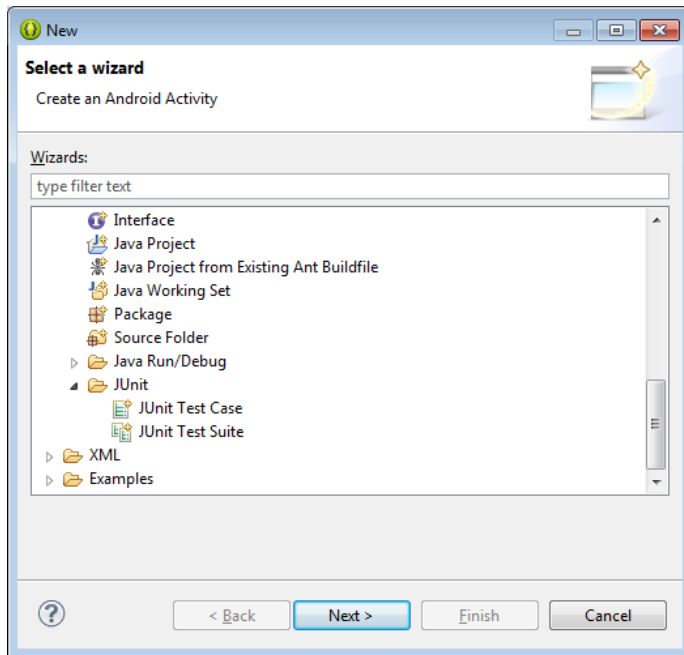*Creator of SUnit which led to JUnit and all the derivatives thereof*

Early JUnit Timeline

1994, SUnit Created	→	1997, The JUnit flight	→	2000, JUnit.org	→	2002, Eclipse IDE support

JUnit still continues to evolve

Getting JUnit

Built into Eclipse   OR   **GitHub download**

Up Next

We'll be covering the basics of JUnit