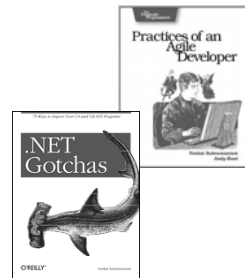


Spring Into Unit Testing

Venkat Subramaniam

```
spkr.name = 'Dr. Venkat Subramaniam'  
spkr.founder = 'Agile Developer, Inc.'  
spkr.affiliated = 'University of Houston'  
spkr.associated = 'Rice Univ. Continuing Studies'  
  
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```



Abstract

Test Driving Development is a valuable technique that has several benefits. However, unit testing is hard when your code has dependencies-this often becomes a quick excuse to give up on TDD. This example driven Zero PowerPoint (ZePo) presentation will help you spring into unit test your Spring applications. We will look at techniques to realize good unit testing, and focus on effective use of mock objects and frameworks to help you toss mock objects for your spring application.

- TDD Benefits
- Pragmatics of Unit Testing
- Mock Objects
- Hand tossing Mock
- Framework to create mock objects
- Spring-mock
- Unit Testing Spring Applications

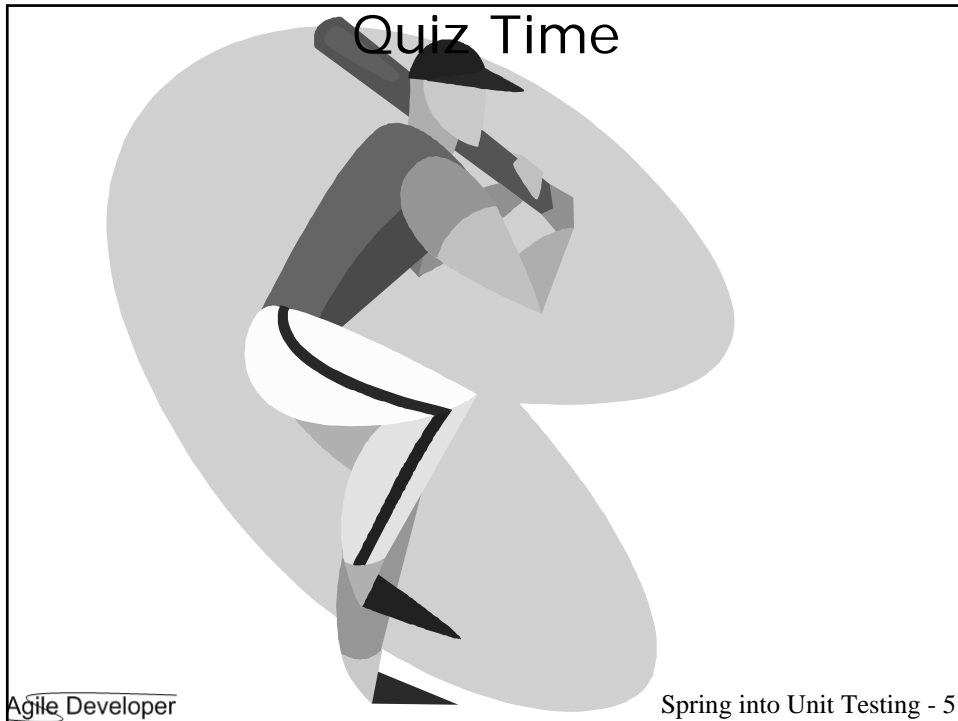
Unit Testing Spring Apps

- **What we will do**
 - Presentation with no powerpoint (almost!)
 - Most time will be spent on code
 - We will learn by example
- **Look at a Problem Statement**
- **Discuss your design ideas**
- **Discuss the approach we will take**
- **Introduce tools and techniques**
- **JUnit, EasyMock, ...**
- **What's Spring-mock and how to use it**
- **Let's build the application**

Implementation

- Collaborative implement of a simple trade application
- Download presentation and example from <http://www.agiledeveloper.com>
 - Click on download

Quiz Time



Review of Concepts

- Benefits of TDD
- Pragmatics and constraints
- Where to write test?
- When to use EasyMock, Spring-mock
- What's provided by each of these frameworks

References

1. <http://www.springframework.org>
2. Spring in Action by Craig Walls and Ryan Breidenbach
3. Pro Spring by Rob Harrop and Jan Machacek
4. Expert Spring MVC and Web Flow by Seth Ladd, et. al.
5. Examples, slides are for your download at

<http://www.agiledeveloper.com> (click on download)