

Pivotal Labs

Unit Testing with the Palm[®] Mojo[™] SDK

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Agenda

- brief introduction to unit testing
- Pockets/Jasmine overview and intro
- Demonstration
- Q&A

Assumptions

- familiarity with webOS development
- <http://developer.palm.com/> is a good starting place for webOS / Mojo dev
- familiarity with unit testing (even basic) will help

Unit Testing, TDD and BDD

- TDD - Test Driven Development
- BDD - Behavior Driven Development
- while there are differences, both are development approaches where automated tests are written *before* the production code

TDD/BDD Resources

- Kent Beck, Test Driven Development
- www.testdriven.com
- www.exampler.com

Pockets and Jasmine

- Jasmine
 - unit test framework, similar to jsUnit, but doesn't require a DOM
- Pockets
 - tools and libraries to facilitate webOS development
 - includes GUI test runner for webOS jasmine tests/specs

Testing Concepts

- Expectations
 - assert actuals equal expected conditions
- Tests/Specs
 - Given a specific setup and corresponding action (being tested), verify expectations
 - Tests vs. Specs -- mostly style/philosophical differences
- Suites
 - collections of tests / specs

Demo

Q&A

Resources

- Jasmine
 - <http://github.com/pivotal/jasmine/tree/master>
- Pockets
 - currently available on Palm Mojo SDK forums
 - public release later this summer
 - follow us at @pivotalpockets on Twitter
 - pockets@pivotallabs.com