

304: XCTest In Practice

Part 1: Overview

Types Of Testing

- ⚙ Unit Testing
- ⚙ Integration Testing
- ⚙ Asynchronous Testing
- ⚙ UI Testing

Types Of Testing

- ⚙️ Unit Testing
- ⚙️ Integration Testing
- ⚙️ Asynchronous Testing
- ⚙️ UI Testing (**not covered here** 😓)

Testing Strategy Abbreviations You've Heard

⚙️ **TDD (Test-Driven Development)**

- ⚙️ Write a failing test first
- ⚙️ Write code to pass that test

⚙️ **BDD (Behavior-Driven Development)**

- ⚙️ Write real-world requirements
- ⚙️ Test against those requirements

Common Misconceptions About Testing

- ⚙ Takes a lot of time for little reward.
- ⚙ You have to test every last line of code.
- ⚙ It is a replacement for human testing.

The Demo: Cats!

- ⚙️ This is the internet. You knew there had to be cats.
- ⚙️ Application that grabs the latest photos on Flickr tagged with “cats”.
- ⚙️ Uses Core Data to facilitate saving favorites.



(my cat, Chaplin, aka Jerkface Kittah)

The Demo: What Will You Learn?

- ⚙ Async Testing: How does it work?
- ⚙ Testing Core Data In Isolation
- ⚙ How To See If The Problem is You Or Your API



Demo: Let's Break Some Stuff!

