# 304: XCTest In Practice

Part 1: Overview

# Types Of Testing

- Unit Testing
- Integration Testing
- Asynchronous Testing
- Ul Testing



## Types Of Testing

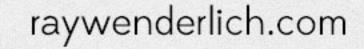
- Unit Testing
- Integration Testing
- \* Asynchronous Testing
- Ul Testing (not covered here (2))



## 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



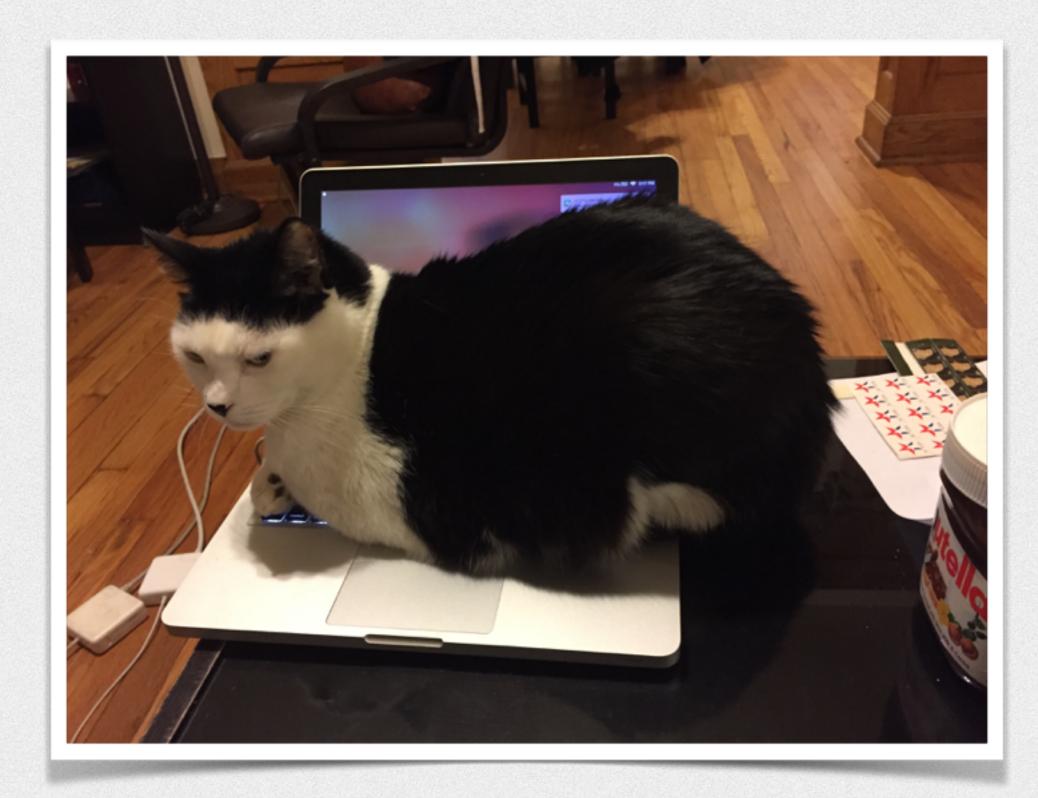
## Common Misconceptions About Testing

- 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!

