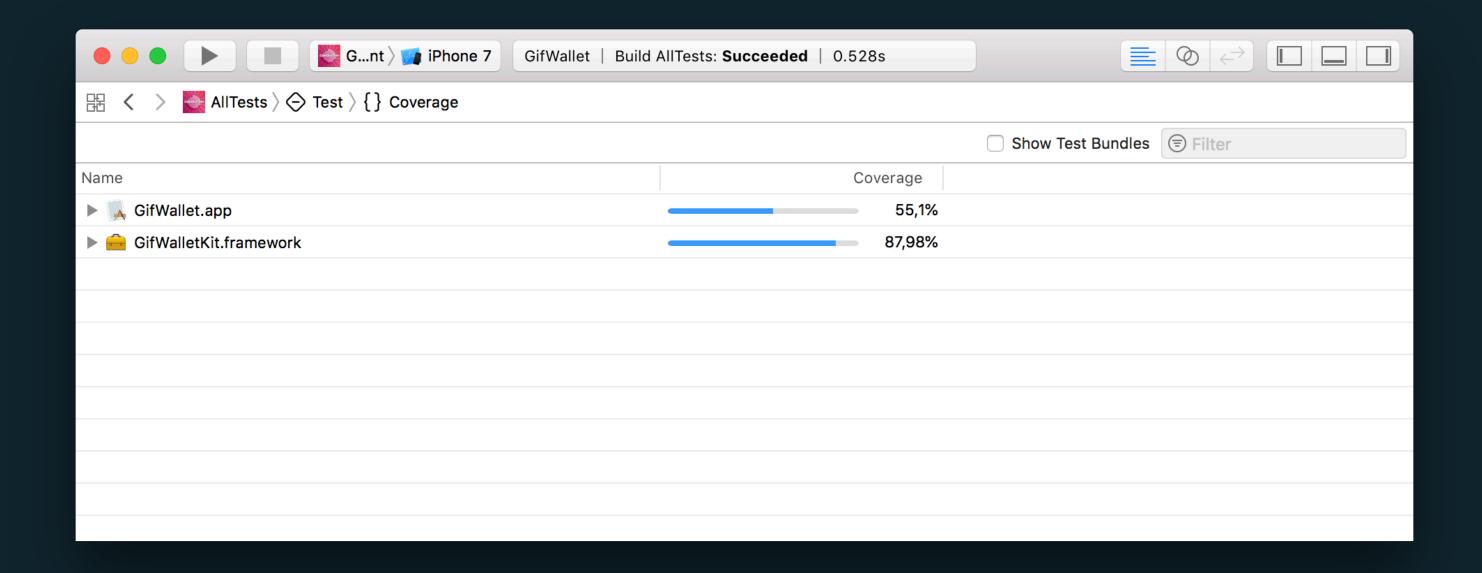
## UITests

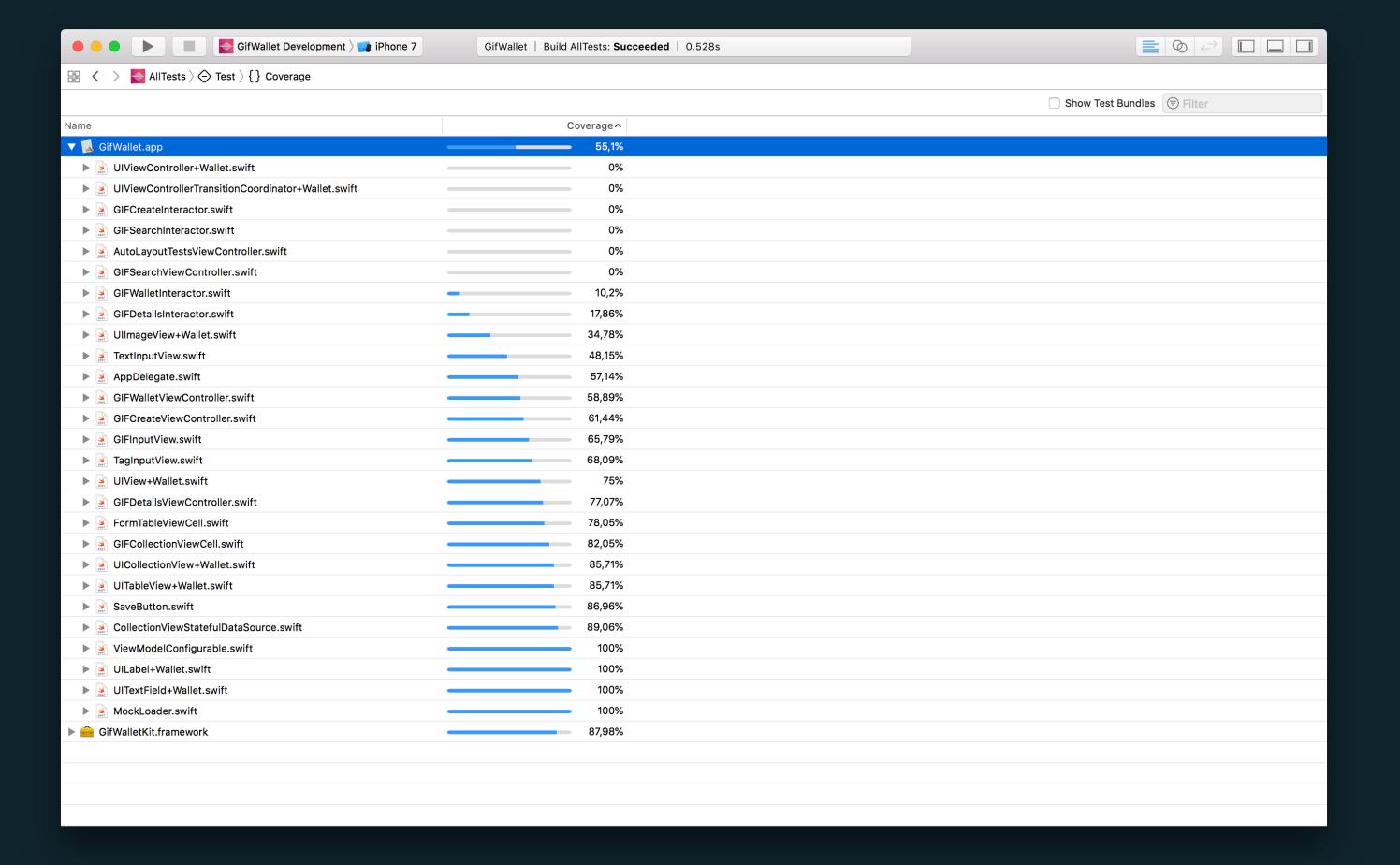
#### Tests

During this workshop, we've built:

- Unit Tests
- Snapshot Tests

#### However...

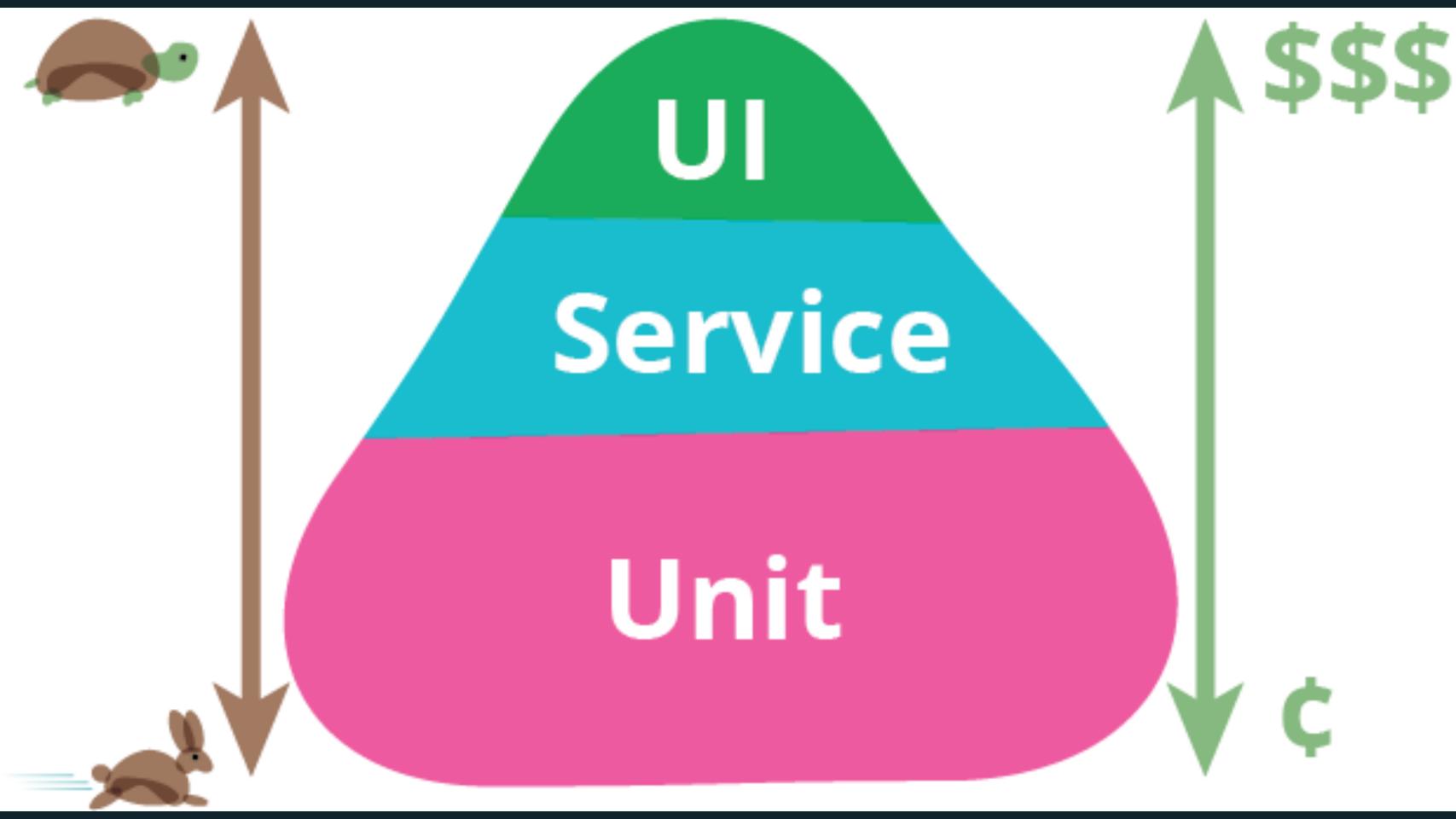




## This is what UITests are for

### **User Interface Testing**

- UI testing gives you the ability to find and interact with the UI of your app in order to validate the properties and state of the UI elements.
- Built with XCTest and Accessibility



#### **APIS**

UI tests are based on the implementation of three new classes:

- XCUIApplication
- XCUIElement
- XCUIElementQuery

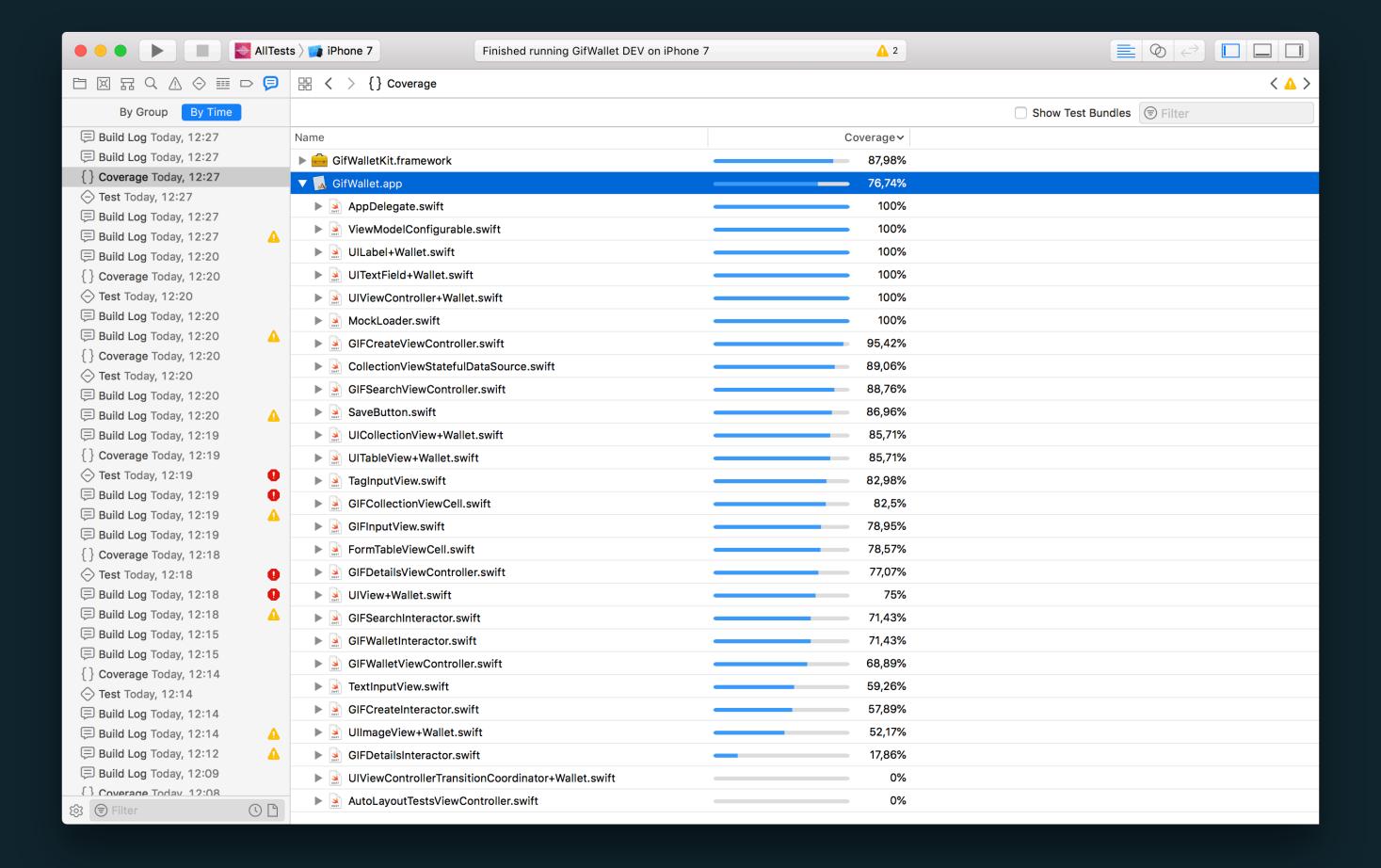
#### **APIS**

Best way to start it via recording

# Demo

- UITests are executed on a different executable, not on your app.
  - Don't have access to your app's code.
  - Test preparation is done differently
- Elements are accessed via Accesibility queries
  - Slow .

- Ideal to run nightly or on every PR.
  - Definetly not for every build.
  - Run them on a different scheme.
- You'll get accessibility for free.
- You'll improve your coverage.



Environment variables can be passed using launchArguments

```
let app = XCUIApplication()
app.launchArguments.append("UITests")
app.launch()
...
if ProcessInfo.processInfo.arguments.contains("UITests") {
}
```

— Use this to create mock Interactors instead

```
let presenter: GIFWalletPresenterType = {
    if ProcessInfo.processInfo.arguments.contains("UITests") {
        return GIFWalletViewController.MockDataPresenter()
        } else {
        return GIFWalletViewController.Presenter(dataStore: dataStore)
    }
}()
```