CINTO DE UTILIDADES PARA O DESENVOLVIMENTO IOS

COCOAPODS

CocoaPods is a dependency manager for Swift and Objective-C Cocoa projects. It has over 67 thousand libraries and is used in over 3 million apps. CocoaPods can help you scale your projects elegantly.

https://cocoapods.org/

```
➜  ~ mkdir iteris-library-ios && cd iteris-library-ios
➜  ~/iteris-library-ios pod lib create IterisPod
```

SWIFTGEN

SwiftGen is a tool to auto-generate Swift code for resources of your projects, to make them type-safe to use.

https://github.com/SwiftGen/SwiftGen

swiftgen.yml

```yaml
strings:
    inputs: Resources/Base.lproj
    filter: .+\.strings$
    outputs:
        - templateName: structured-swift4
          output: Generated/strings.swift
xcassets:
    inputs:
        - Resources/Images.xcassets
        - Resources/MoreImages.xcassets
    outputs:
        - templateName: swift4
          output: Generated/assets-images.swift
```

SWIFTLINT

SwiftGen is a tool to auto-generate Swift code for resources of your projects, to make them type-safe to use.

https://github.com/realm/SwiftLint

```yaml
.swiftlint.yml

type_body_length:
    - 300 # warning
    - 400 # error
file_length:
    - warning: 500
    - error: 1200
```

FASTLANE

The easiest way to build and release mobile apps.
fastlane handles tedious tasks so you don't have to.

https://fastlane.tools/

```
sh(”swiftgen")

swiftlint(
    mode: :lint,
    path: "/path/to/lint",
    output_file: "swiftlint.result.json",
    config_file: ".swiftlint-ci.yml",
    ignore_exit_status: true
)

cocoapods(
    clean: true,
    podfile: "./CustomPodfile"
)

gym(scheme: "MyApp")
```

QUICK
NIMBLE
IOS-SNAPSHOT-TEST-CASE

- Quick is a behavior-driven development framework for Swift and Objective-C

  https://github.com/Quick/Quick

- Use Nimble to express the expected outcomes of Swift or Objective-C expressions

  https://github.com/Quick/Nimble

- A "snapshot test case" takes a configured UIView or CALayer and uses the necessary UIKit or Core Animation methods to generate an image snapshot of its contents. It compares this snapshot to a "reference image" stored in your source code repository and fails the test if the two images don't match.

  https://github.com/uber/ios-snapshot-test-case

```swift
import Quick
import Nimble

class TableOfContentsSpec: QuickSpec {
  override func spec() {
    describe("the 'Documentation' directory") {
      it("has everything you need to get started") {
        let sections = Directory("Documentation").sections
        expect(sections).to(contain("Organized Tests with Quick Examples and Example Groups"))
        expect(sections).to(contain("Installing Quick"))
      }

      context("if it doesn't have what you're looking for") {
        it("needs to be updated") {
          let you = You(awesome: true)
          expect{you.submittedAnIssue}.toEventually(beTruthy())
        }
      }
    }
  }
}
```

```swift
final class SelectFieldViewTests: QuickSpec {
    var sut: SelectFieldView!

    override func spec() {
        describe("SelectFieldViewTests") {
            context("when you tried to instantiate SelectFieldView") {
                beforeEach {
                    self.sut = SelectFieldView()
                    self.sut.frame = CGRect(x: 0, y: 0, width: 375, height: 667)
                }

                it("should have the expected layout") {
                    expect(self.sut) == snapshot()
                }
            }
        }
    }
}
```

EMBASSY/ENVOYAMBASSADOR

Super lightweight web framework in Swift based on SWSGI
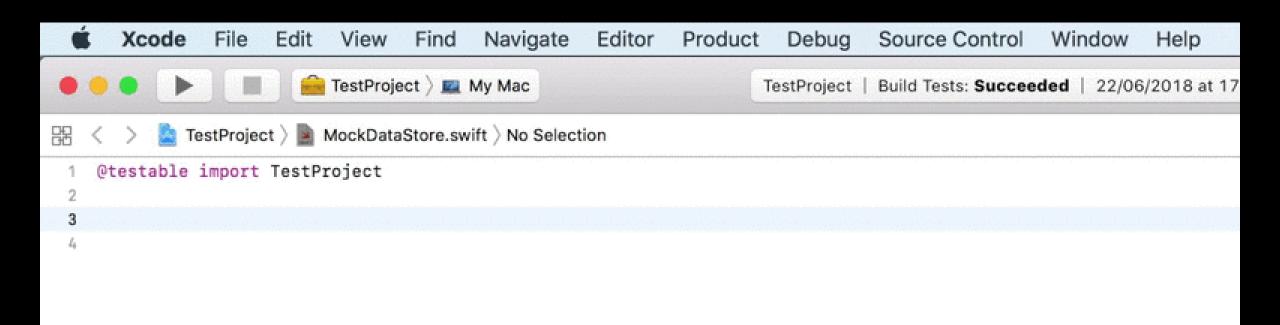
https://github.com/envoy/Ambassador

https://github.com/envoy/Embassy

```swift
import Embassy
import EnvoyAmbassador

let loop = try! SelectorEventLoop(selector: try! KqueueSelector())
let router = Router()
let server = DefaultHTTPServer(eventLoop: loop, port: 8080, app: router.app)

router["/api/v2/users"] = DelayResponse(JSONResponse(handler: { _ -> Any in
return [
        ["id": "01", "name": "john"],
        ["id": "02", "name": "tom"]
]
}))

// Start HTTP server to listen on the port
try! server.start()

// Run event loop
loop.runForever()
```

SWIFTMOCKGENERATORFORXCODE

An Xcode extension (plugin) to generate spy, stub, dummy, and partial spy classes automatically.

https://github.com/seanhenry/SwiftMockGeneratorForXcode

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```swift
1  @testable import TestProject
2
3
4
```

CHARLES PROXY

Charles is an HTTP proxy / HTTP monitor / Reverse Proxy that enables a developer to view all of the HTTP and SSL / HTTPS traffic between their machine and the Internet. This includes requests, responses and the HTTP headers (which contain the cookies and caching information).

https://www.charlesproxy.com/