

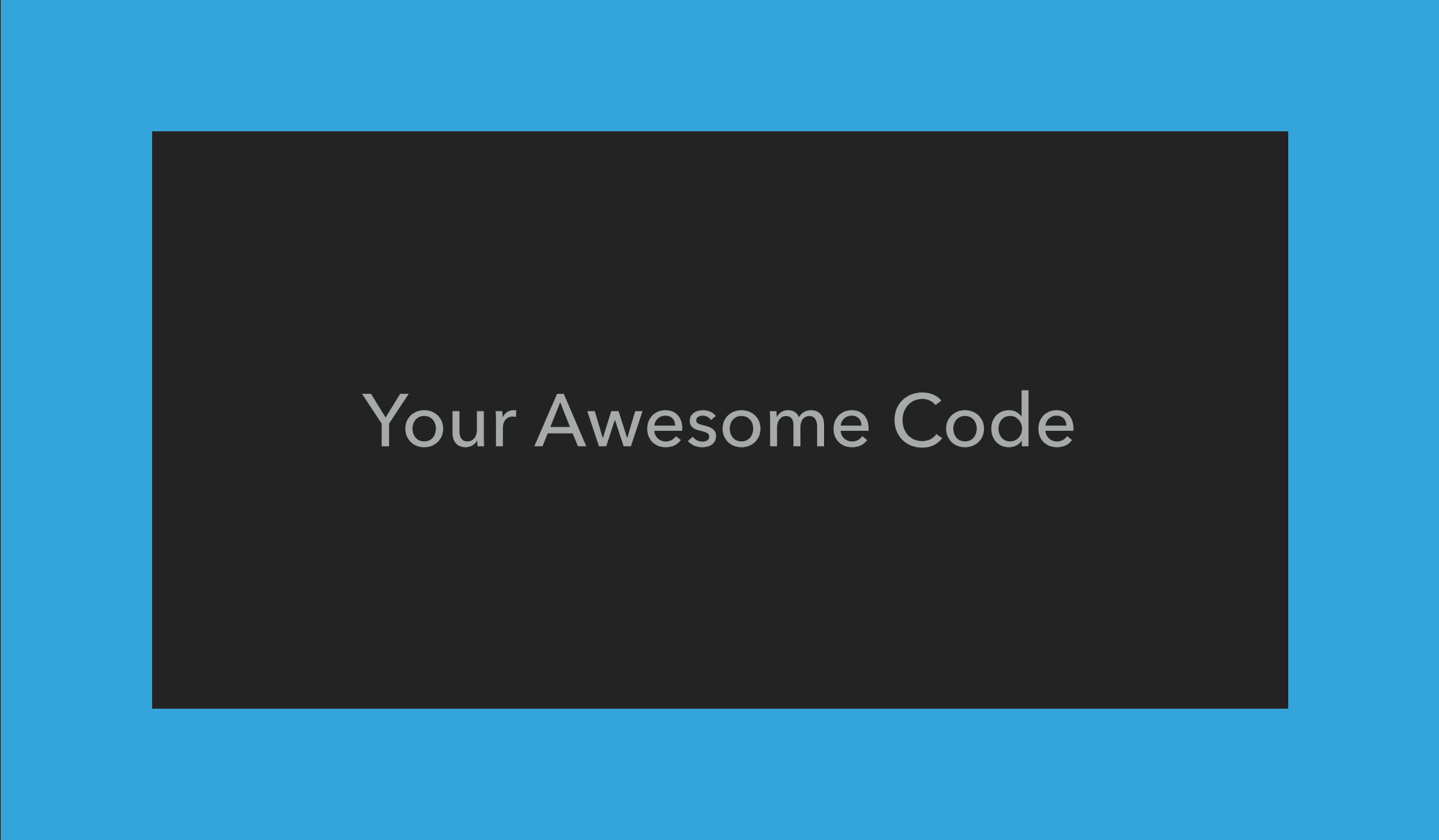
Platforms

Installation

Your Awesome Code

Releases

Continuous Integration



CREATING A

SWIFT LIBRARY

Example



```
import Foundation

/// Sleeps for a random time interval
public func rest() {
    let interval = NSTimeInterval(random() % 2)
    NSThread.sleepForTimeInterval(interval)
}
```

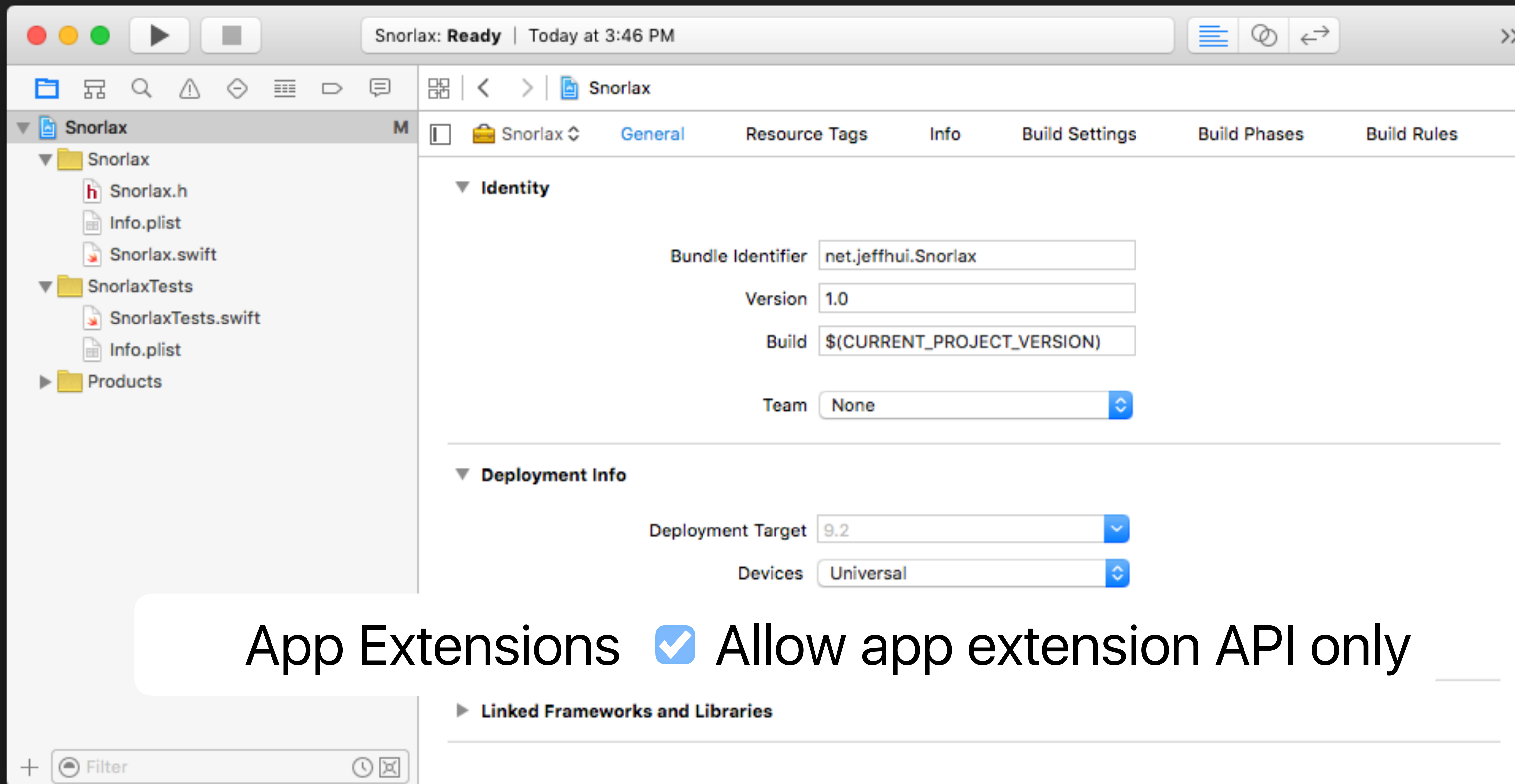
```
import XCTest
import Snorlax
import Foundation

class SnorlaxTests: XCTestCase {
    func testRest() {
        let expectation = expectationWithDescription("Resting")
        dispatch_async(dispatch_get_main_queue()) {
            rest()
            expectation.fulfill()
        }

        waitForExpectationsWithTimeout(5, handler: nil)
    }
}
```



Show	Scheme	Container	Shared
<input checked="" type="checkbox"/>	Snorlax-iOS	 Snorlax project ⇅	<input checked="" type="checkbox"/>



App Extensions ☒ Allow app extension API only

PRODUCT_MODULE_NAME

import Snorlax





Testing

Matrix Builds

Github Integration



Managed CI

Xcode Betas

```
# .travis.yml  
osx_image: xcode7.2  
language: objective-c  
script: ./test
```



```
#!/bin/bash
# ./test script
set -e # stop when a test fails
xcodebuild test
    -scheme Snorlax-OSX
    -destination "platform=OS X"
xcodebuild test
    -scheme Snorlax-iOS
    -destination "platform=iOS Simulator,name=iPhone 6,OS=9.2"
xcodebuild test
    -scheme Snorlax-tvOS
    -destination "platform=tvOS Simulator,name=Apple TV 1080p,OS=9.1"
```

Add more commits by pushing to the `remove-fullmatcherfunc` branch on [jeffh/Nimble](#).



All checks have passed

2 successful checks

[Show all checks](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.



Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).





pod spec create Snorlax



carthage build —no-skip-current




```
// Package.swift  
import PackageDescription  
  
let package = Package(  
    name: "Snorlax"  
)
```

Snorlax/

| - Package.swift

| - Sources/

| | - Snorlax/

| | | - Snorlax.swift

Snorlax/

| - Package.swift

| - Sources/

| - Tests/

| | - Snorlax/

| | | - SnorlaxTest.swift

Snorlax/

| - Package.swift

| - Sources/

| - Tests/

| | - **LinuxMain.swift**

| | - Snorlax/

LinuxMain.swift

```
// LinuxMain.swift
import XCTest
@testable import Snorlaxtest

// This is the entry point for tests on Linux

XCTMain([
    SnorlaxTests(),
])
```

```
// ... SnorlaxTests.swift ...
class SnorlaxTests: XCTestCase, XCTestCaseProvider {
    var allTests: [(String, () throws -> Void)] {
        return [("testRest", testRest)]
    }

    func testRest() {
        let start = NSDate()
        rest()
        let end = NSDate()
        let duration = end.timeIntervalSinceDate(start)
        XCTAssertGreaterThanOrEqual(duration, 0)
        XCTAssertLessThan(duration, 2)
    }
}
```

```
// ... SnorlaxTests.swift ...
class SnorlaxTests: XCTestCase, XCTestCaseProvider {
    var allTests: [(String, () throws -> Void)] {
        return [("testRest", testRest)]
    }

    func testRest() {
        let start = NSDate()
        rest()
        let end = NSDate()
        let duration = end.timeIntervalSinceDate(start)
        XCTAssertGreaterThanOrEqual(duration, 0)
        XCTAssertLessThan(duration, 2)
    }
}
```



```
#if os(OSX) || os(iOS) || os(watchOS) || os(tvOS)
public protocol XCTestCaseProvider {
    var allTests: [(String, () throws -> Void)] { get }
}
#endif

class SnorlaxTests: XCTestCase, XCTestCaseProvider {
    ...
}
```

swift build

swift test

DEVELOPMENT-SNAPSHOT-2016-03-01-a
DEVELOPMENT-SNAPSHOT-2016-02-25-a
DEVELOPMENT-SNAPSHOT-2016-02-08-a
DEVELOPMENT-SNAPSHOT-2016-02-03-a

SwiftEnv

github.com/kylef/swiftenv

```
swiftenv install DEVELOPMENT-SNAPSHOT-2016-03-01-a  
swiftenv local DEVELOPMENT-SNAPSHOT-2016-03-01-a
```

```
# .travis.yml
osx_image: xcode7.2
language: generic
matrix:
  include:
    - os: osx
      env: TYPE=xcode
    - os: osx
      env: TYPE=spm
    - os: linux
      dist: trusty
      sudo: required
      env: TYPE=spm
# Install SwiftEnv
install: if [[ "$TYPE" == "spm" ]]; then eval "$(curl -sL https://...)"; fi
script: ./test $TYPE
```

Build Jobs

✓ # 77.1	🍏 </> Xcode: xcode7.2	📦 TYPE=xcode	🕒 8 min 29 sec
✓ # 77.2	🍏 </> Xcode: xcode7.2	📦 TYPE=spm	🕒 1 min 7 sec
✓ # 77.3	🐧 </> Xcode: xcode7.2	📦 TYPE=spm	🕒 26 sec

Creating a Release

Major Minor Patch

1.2.3

semver.org

CUTTING A RELEASE

- ▶ Update version in Podspec (commit and push it)
- ▶ Tag new version: `git tag v0.1.2`
- ▶ Push tag: `git push origin v0.1.2`
- ▶ Push podspec: `pod trunk push Snorlax.podspec`
- ▶ Create a release from a tag in Github
- ▶ Announce!

github.com/jeffh/Snorlax

github.com/jeffh/SnorlaxSamples



THANKS!

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