Featured #WWDC15

## What's New in Xcode

Session 104

Ken Orr Developer Tools







Swift 2



Error handling

Availability

Testability

Protocol Extensions

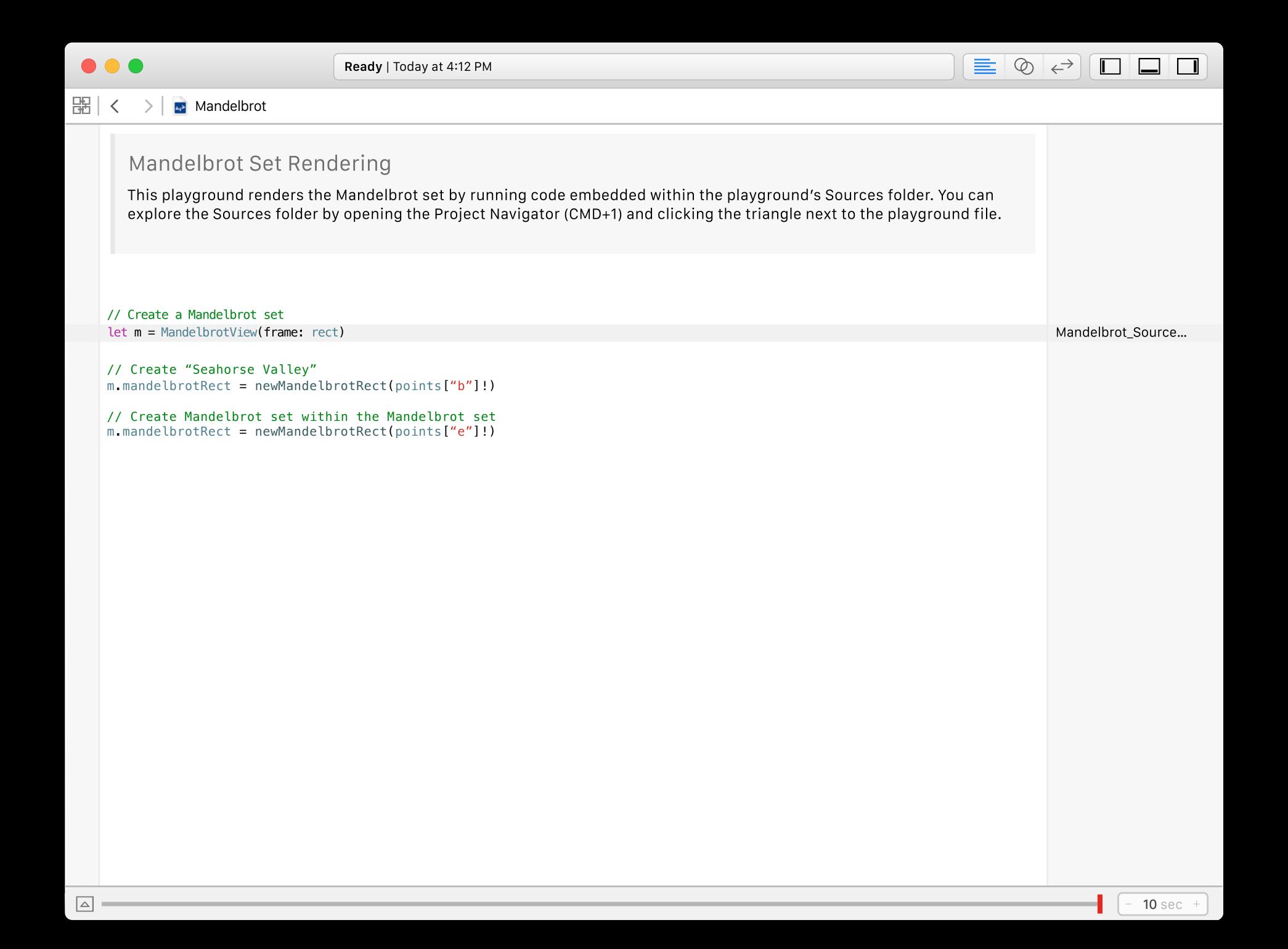
# Swift Migrator

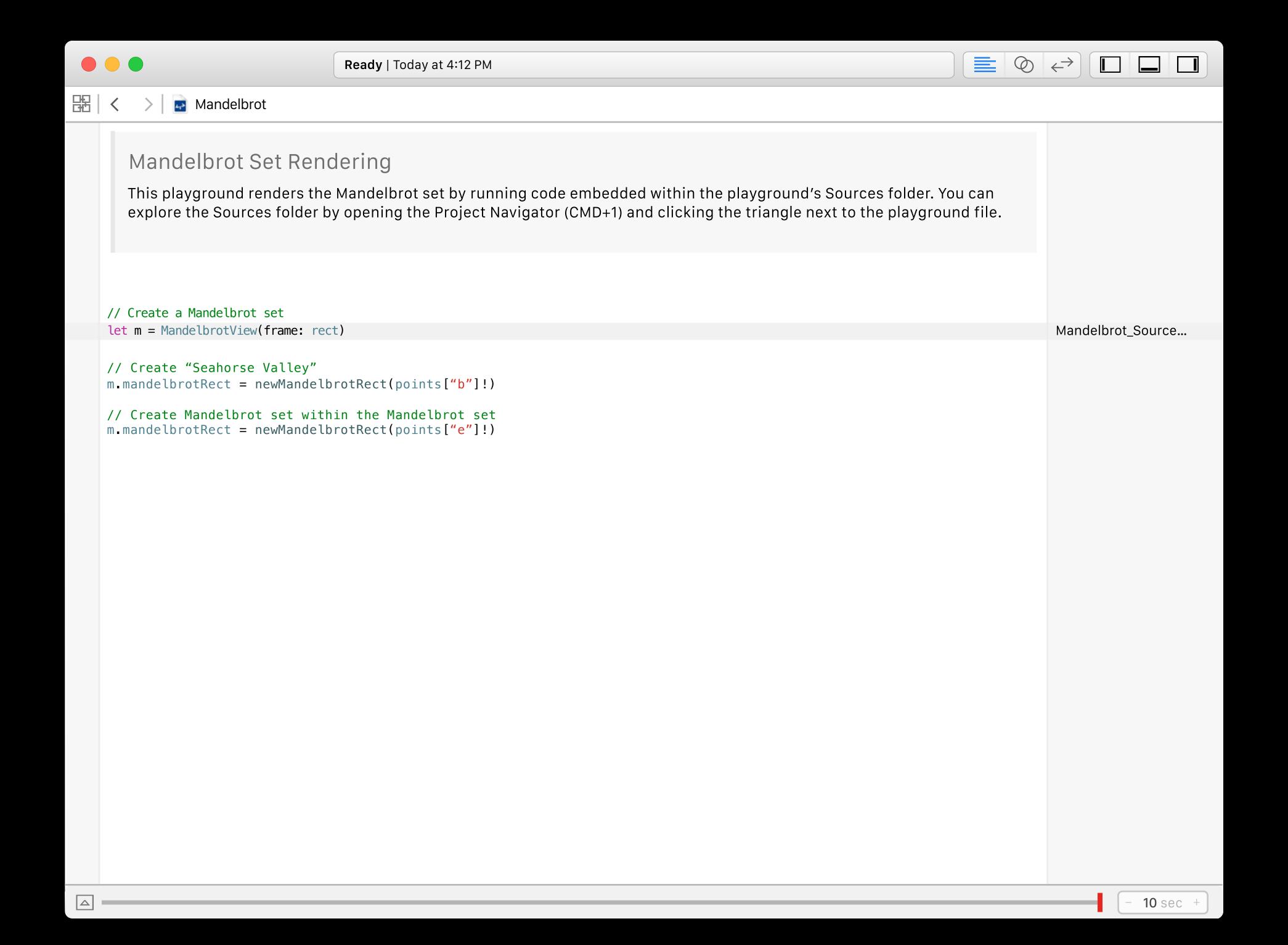
```
override public func readFromData(data: NSData,
override public func readFromData(data: NSData,
                                                                  ofType typeName: String, error outError:
                                                    (839)
   ofType typeName: String) throws {
                                                                  NSErrorPointer) -> Bool {
    unarchivedList = NSKeyedUnarchiver.
                                                                   unarchivedList = NSKeyedUnarchiver.
       unarchiveObjectWithData(data) as? List
                                                                      unarchiveObjectWithData(data) as? List
    if let unarchivedList = unarchivedList {
                                                                   if let unarchivedList = unarchivedList {
                                                                        listPresenter?.setList(unarchivedList)
        listPresenter?.setList(unarchivedList)
                                                    return
                                                                        return true
                                                                   if outError != nil {
    throw NSError(domain: NSCocoaErrorDomain,
       code: NSFileReadCorruptFileError,
                                                                       outError.memory = NSError(domain:
                                                                          NSCocoaErrorDomain, code:
       userInfo: [
        NSLocalizedDescriptionKey:
                                                                          NSFileReadCorruptFileError, userInfo:
           NSLocalizedString("Could not read
           file.", comment: "Read error
                                                                           NSLocalizedDescriptionKey:
           description"),
                                                                              NSLocalizedString("Could not read
        NSLocalizedFailureReasonErrorKey:
                                                                               file.", comment: "Read error
                                                                              description"),
           NSLocalizedString("File was in an
           invalid format.", comment: "Read
                                                                           NSLocalizedFailureReasonErrorKey:
           failure reason")
                                                                               NSLocalizedString("File was in an
                                                                               invalid format.", comment: "Read
                                                                               failure reason")
                                                                       ])
override public func dataOfType(typeName: String)
   throws -> NSData {
    let outError: NSError! = NSError(domain:
                                                                    return false
       "Migrator", code: 0, userInfo: nil)
    if let archiveableList = listPresenter?.
       archiveableList {
                                                               override public func dataOfType(typeName: String,
        return NSKeyedArchiver.
                                                                  error outError: NSErrorPointer) -> NSData? {
                                                                   if let archiveableList = listPresenter?.
           archivedDataWithRootObject
           (archiveableList)
                                                                       archiveableList {
                                                                        return NSKeyedArchiver.
```

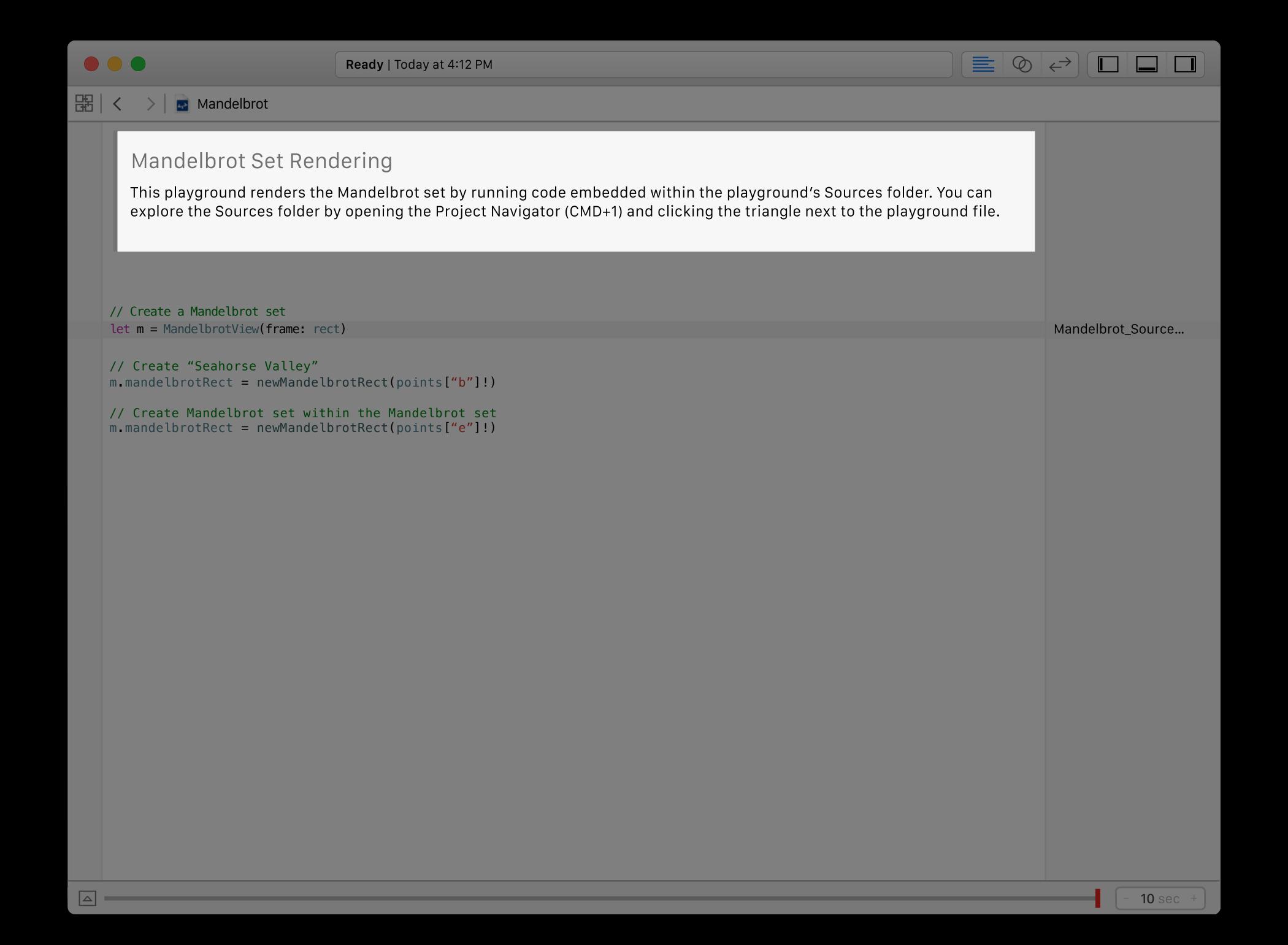
# Obj-C

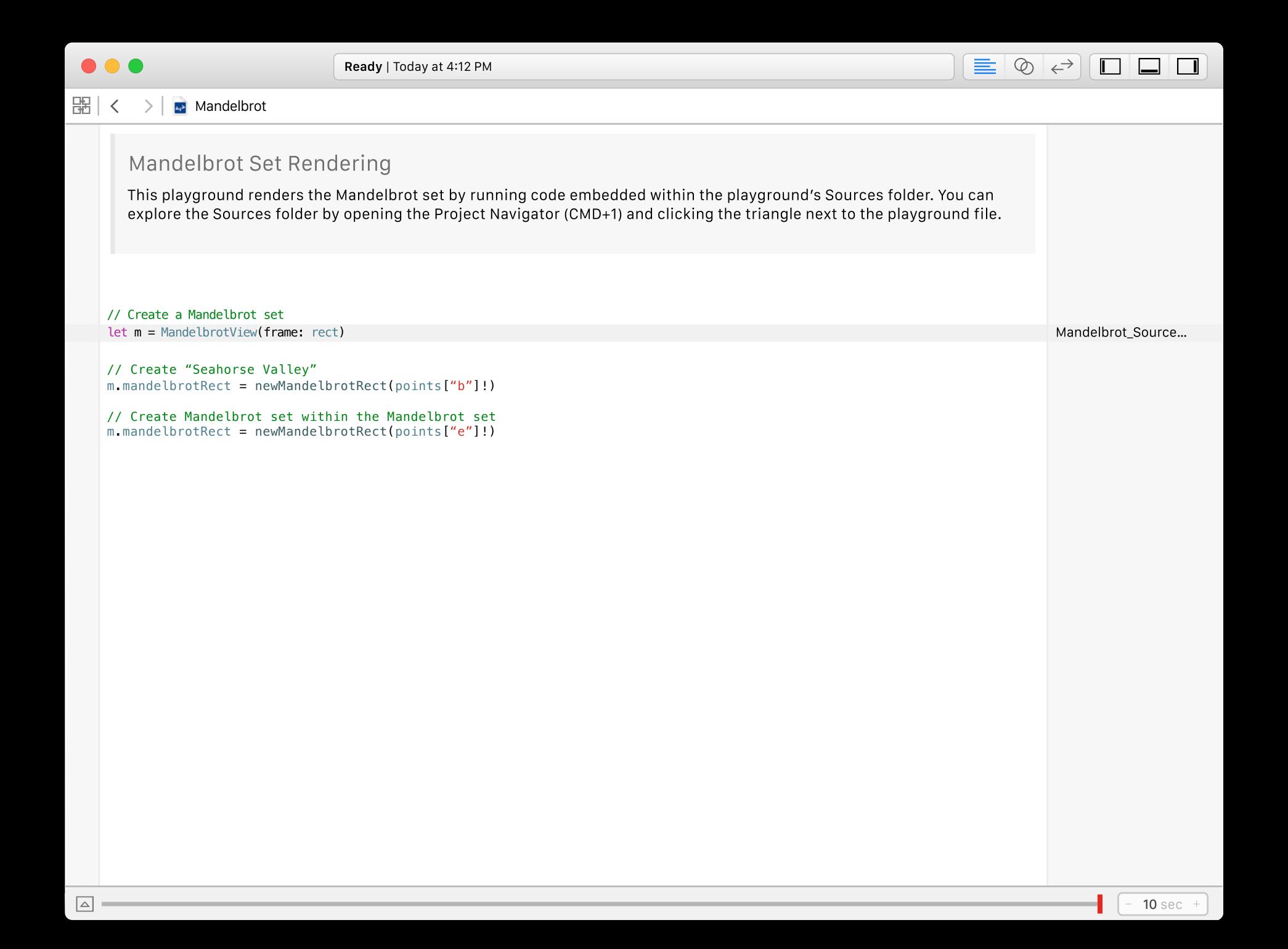


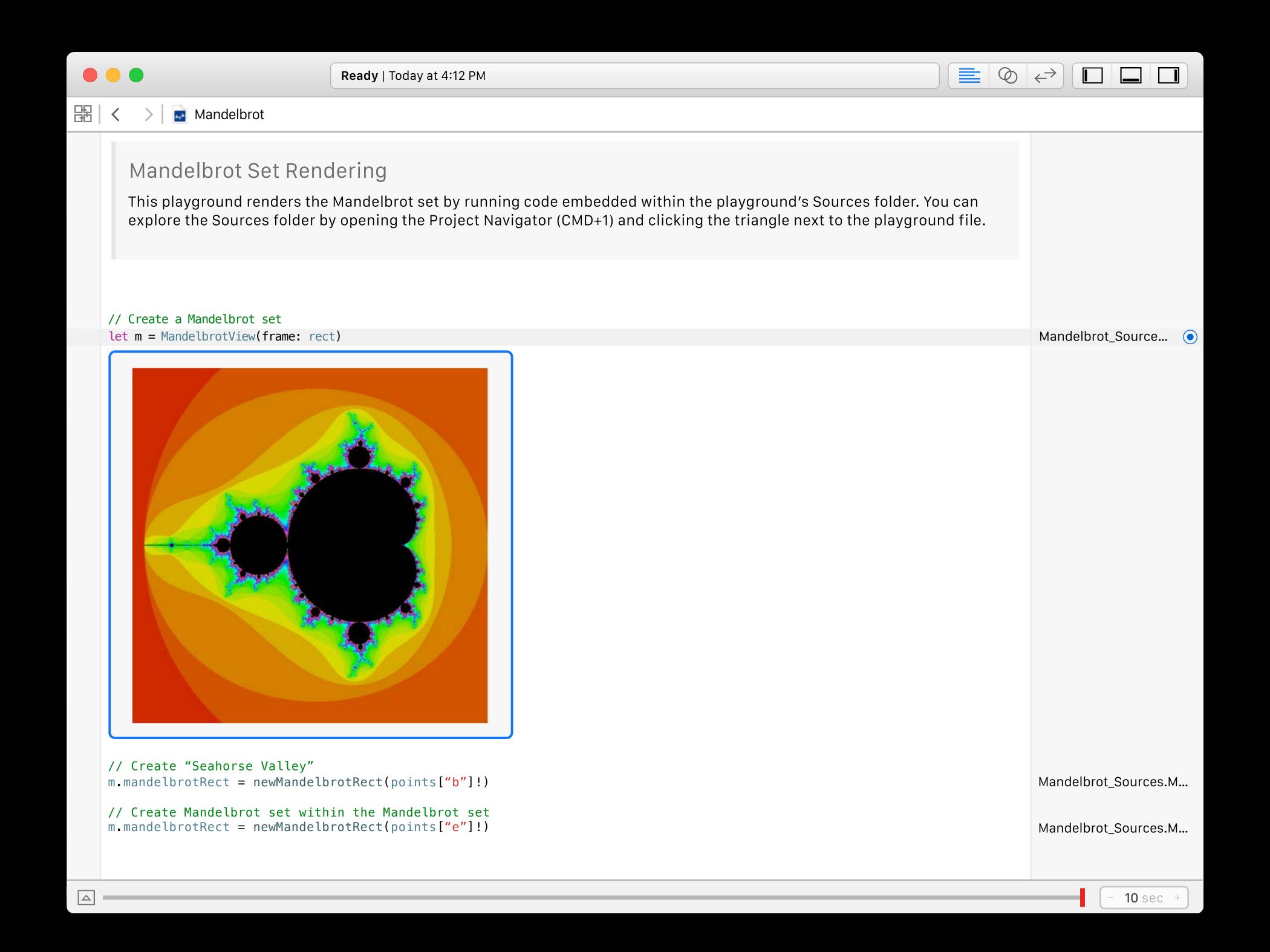
Playgrounds

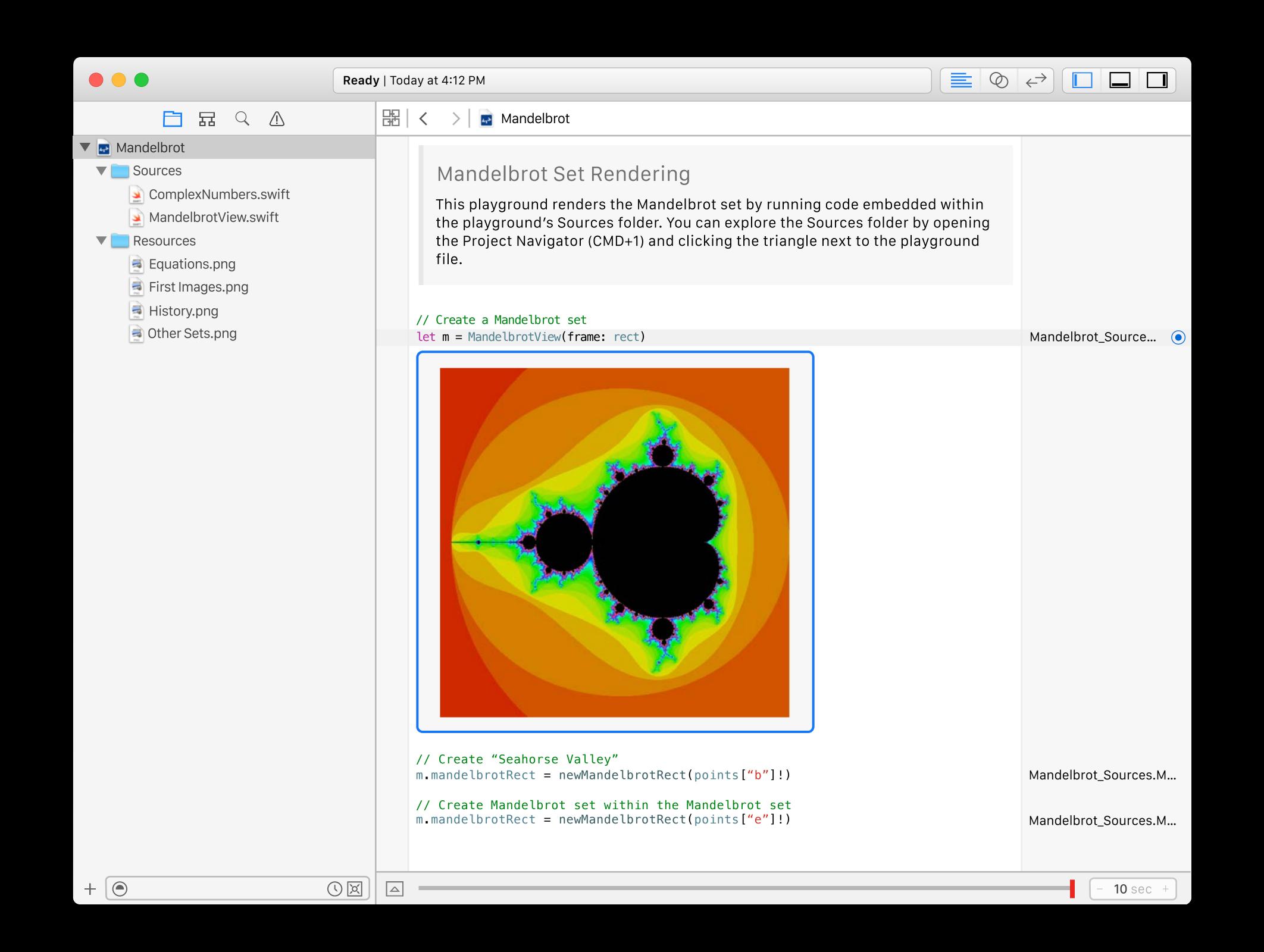


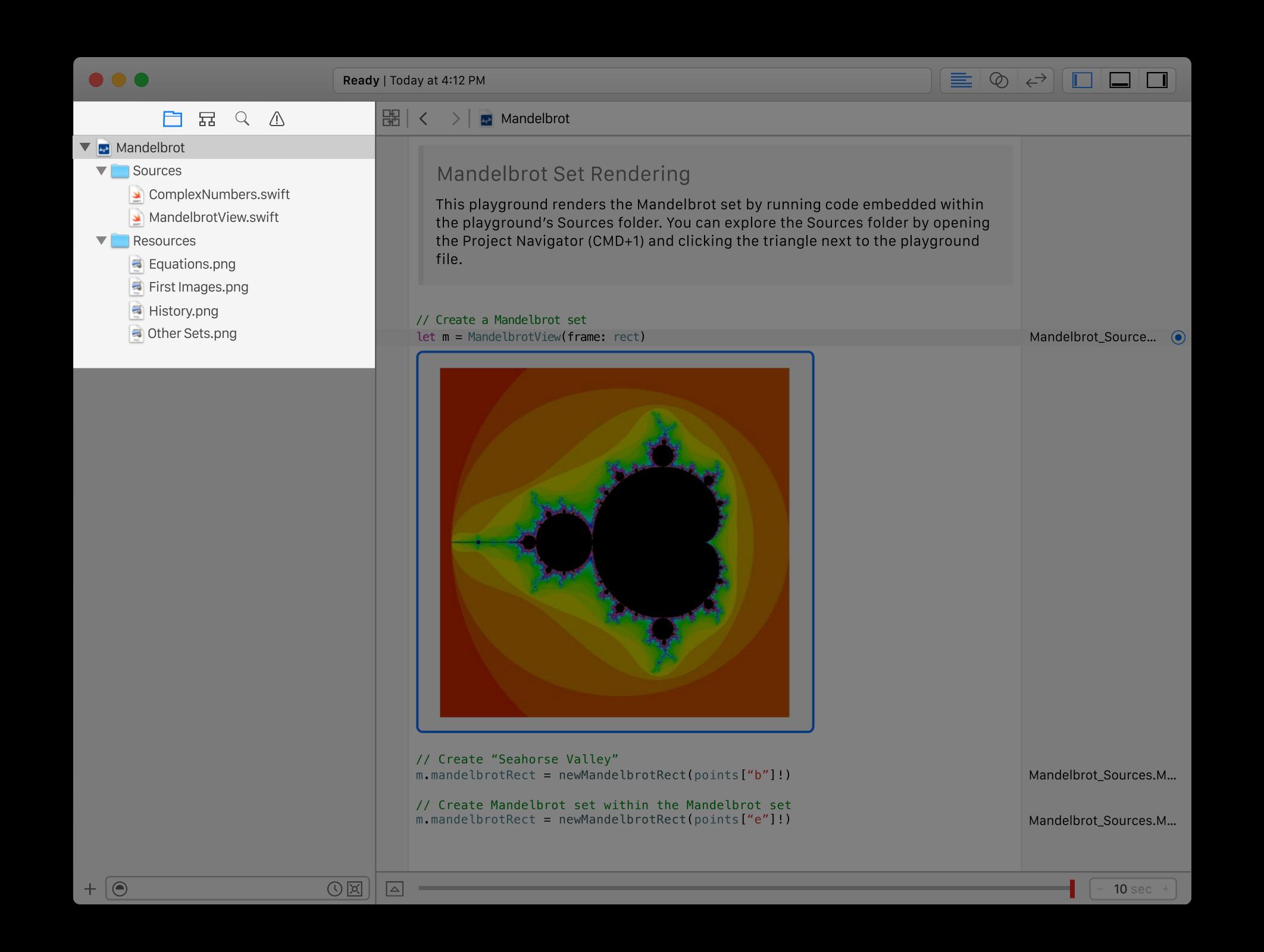


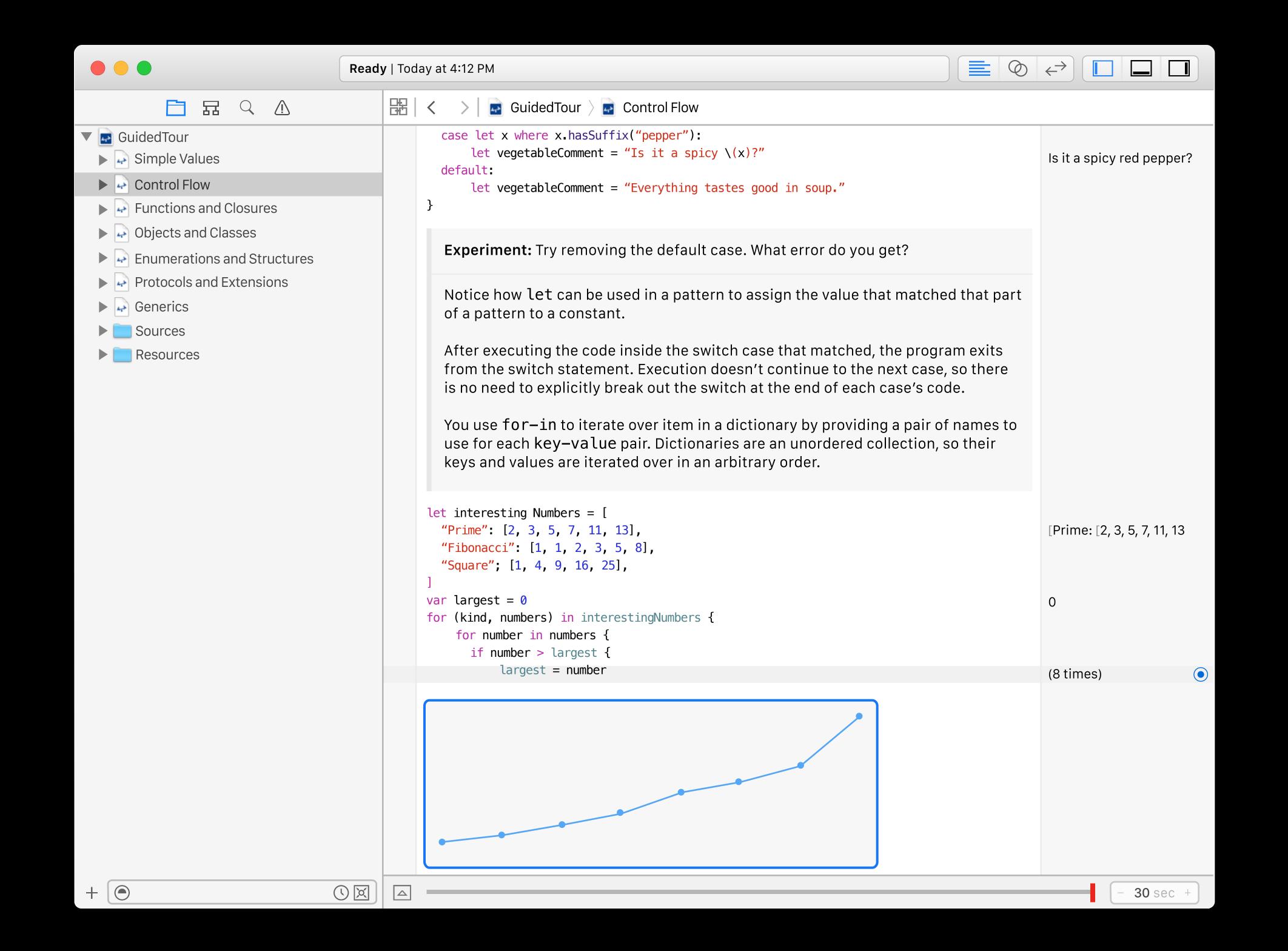










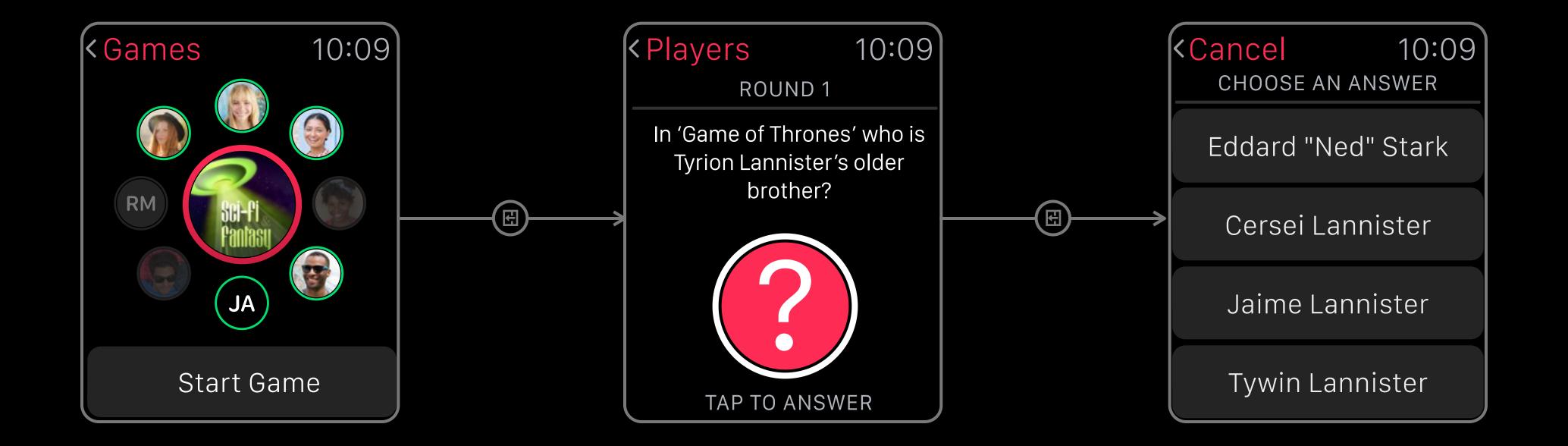


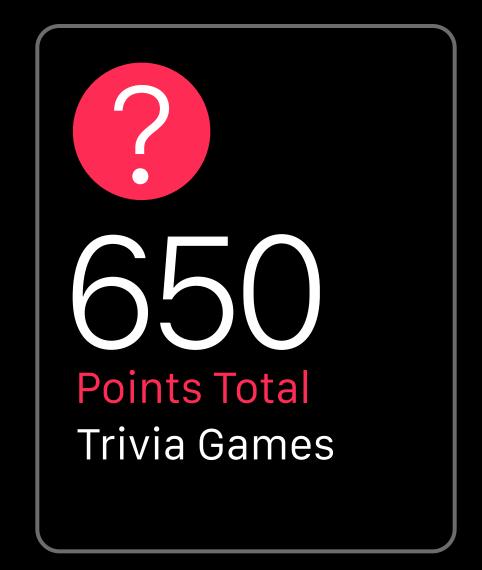






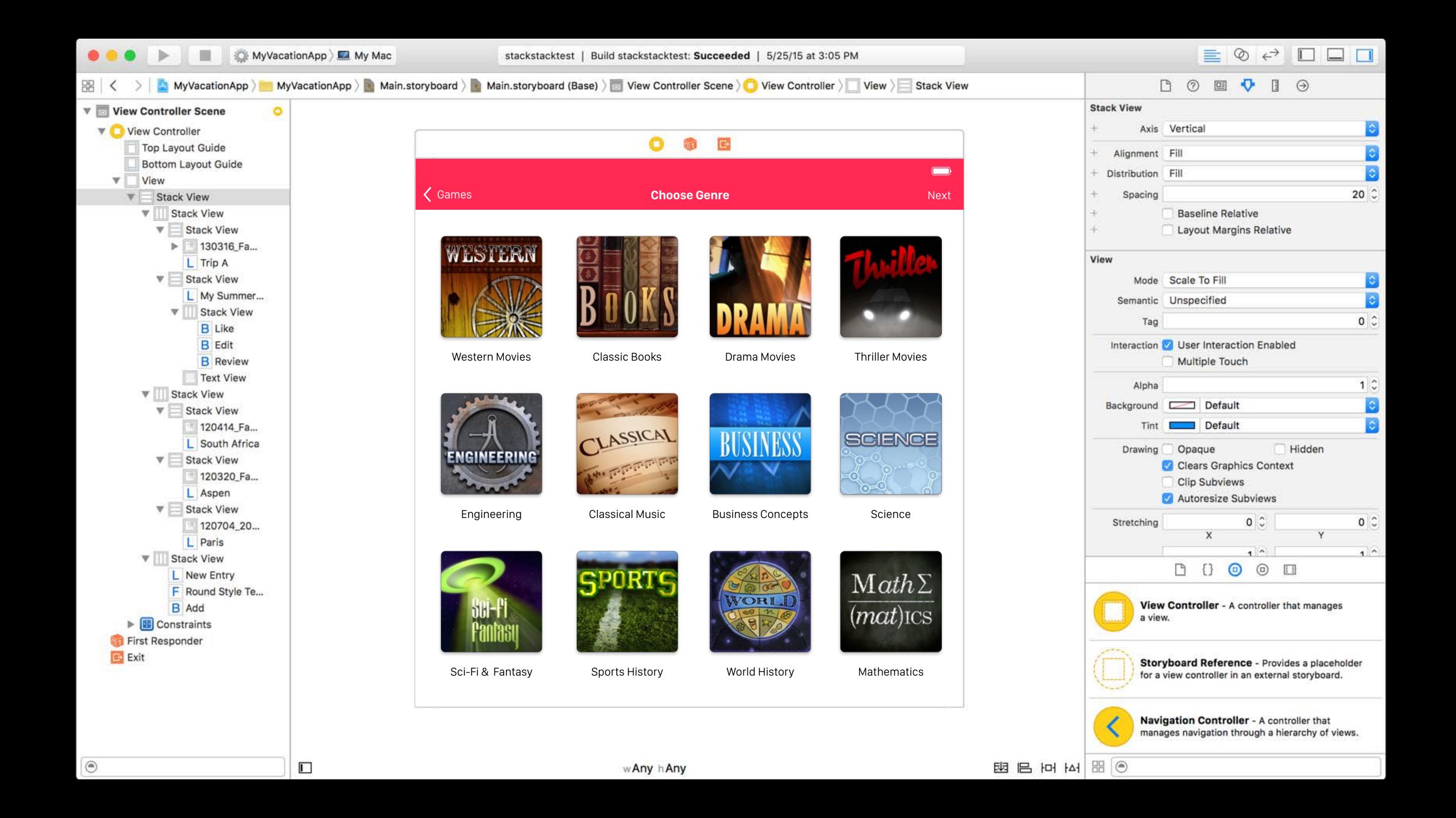
watchOS 2













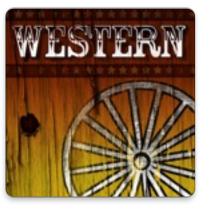




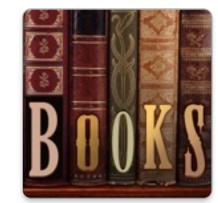


**Choose Genre** 

Next



Western Movies



Classic Books



Drama Movies



Thriller Movies



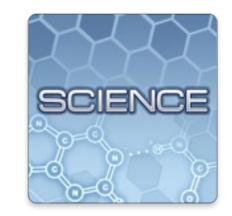
Engineering



Classical Music



**Business Concepts** 



Science



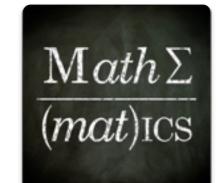
Sci-Fi & Fantasy



Sports History



World History



Mathematics



Horror Movies



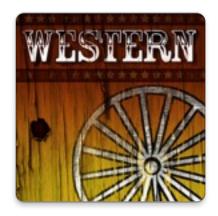
**Ancient History** 



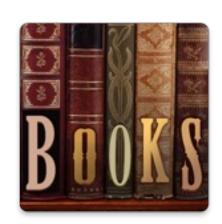
Reality TV



Health & Medicine



Western Movies



Classic Books



Drama Movies



Thriller Movies



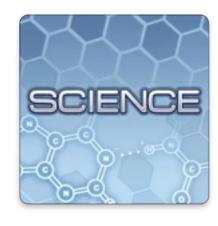
Engineering



Classical Music



**Business Concepts** 



Science



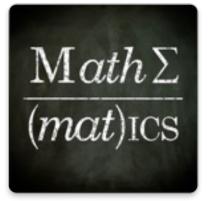
Sci-Fi & Fantasy



Sports History



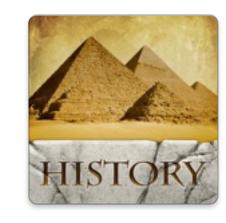
World History



Mathematics



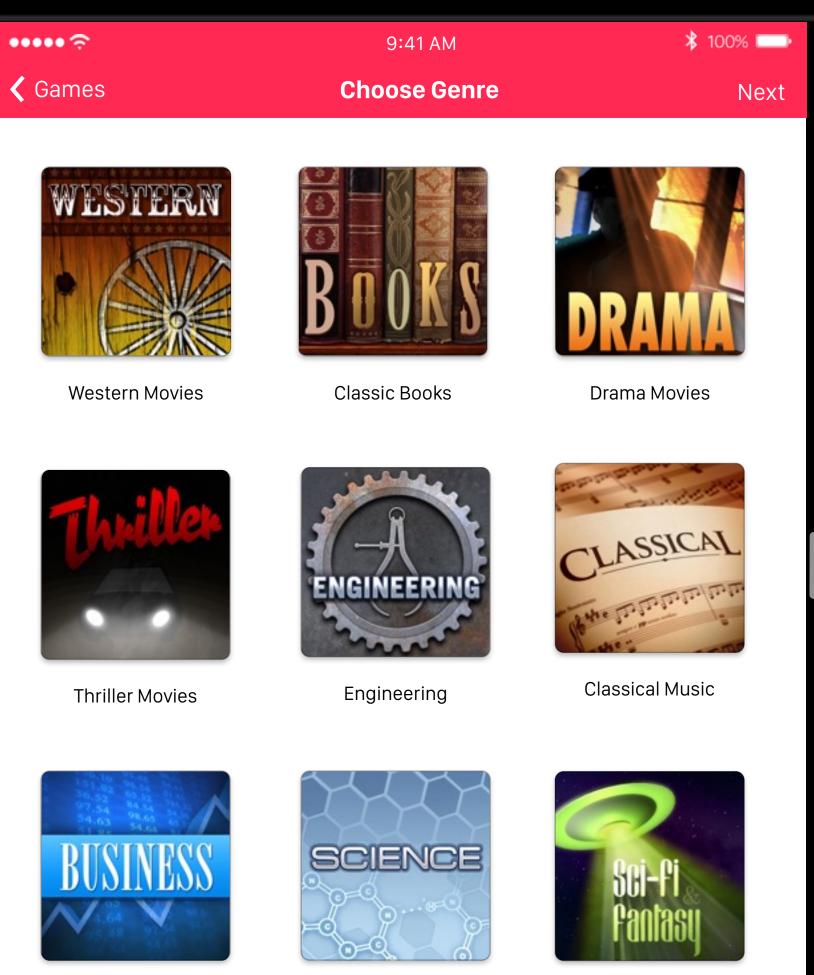
**Horror Movies** 



Ancient History



Reality TV



Science

**Business Concepts** 

Sci-Fi & Fantasy



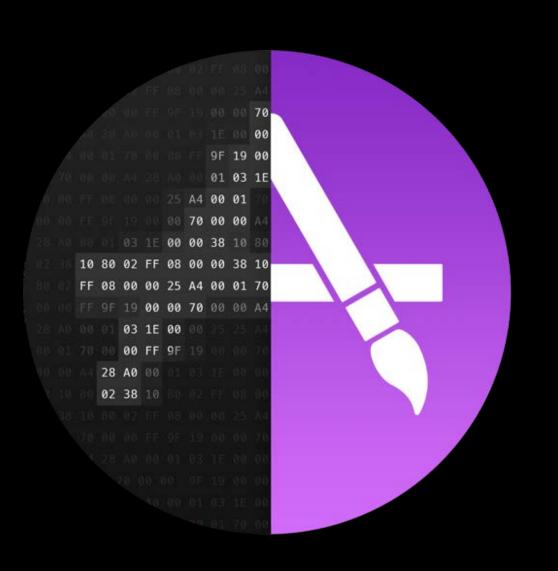


App Thinning



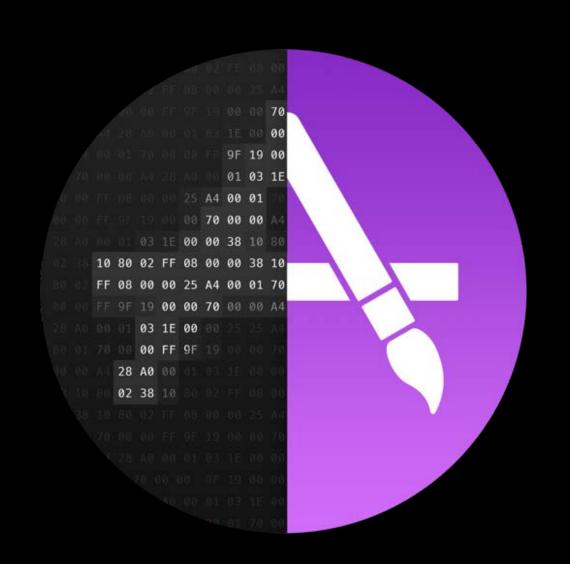


Slicing





Slicing







Slicing

On Demand Resources

# Demo

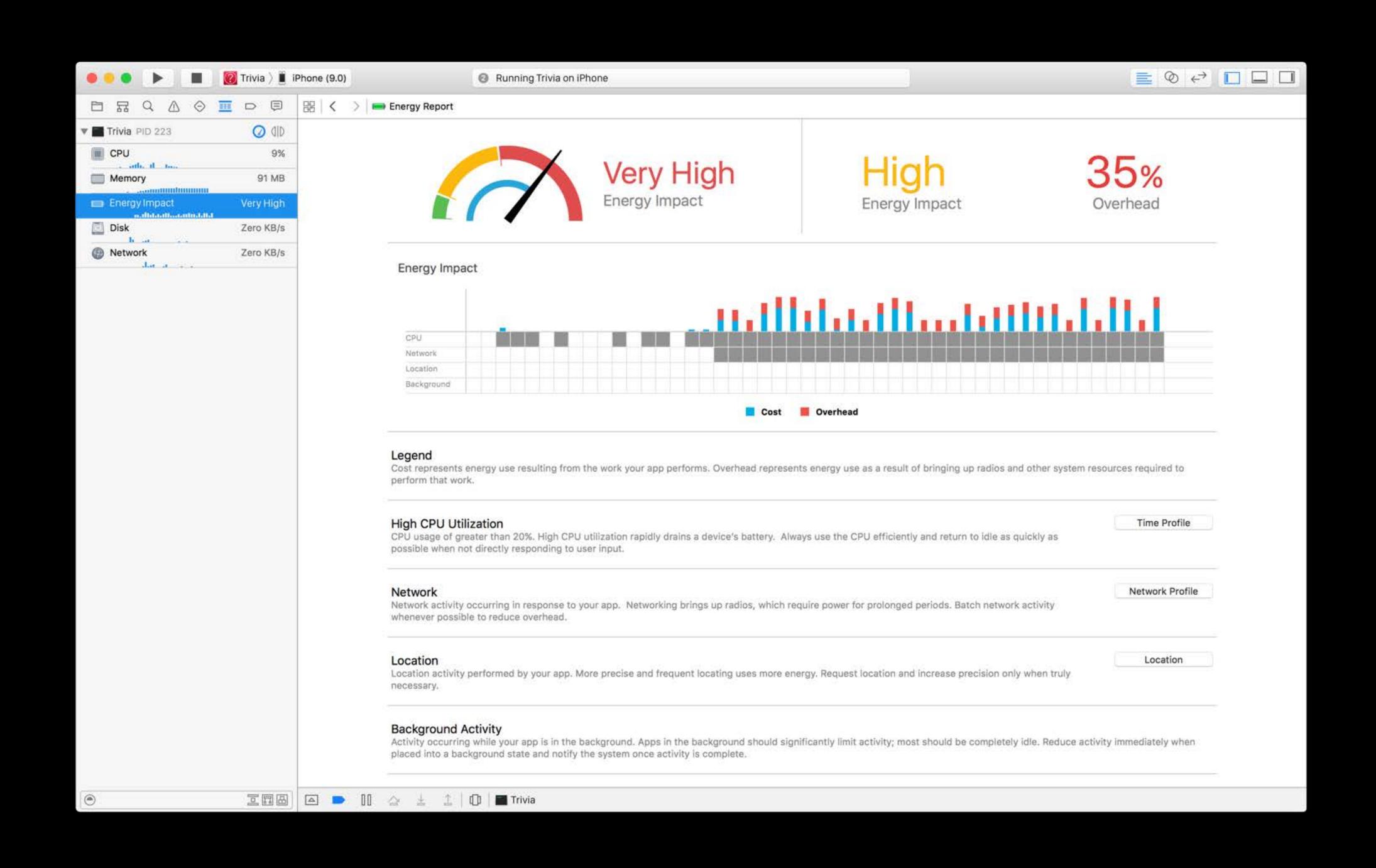
Jon Hess Developer Tools

# Demo

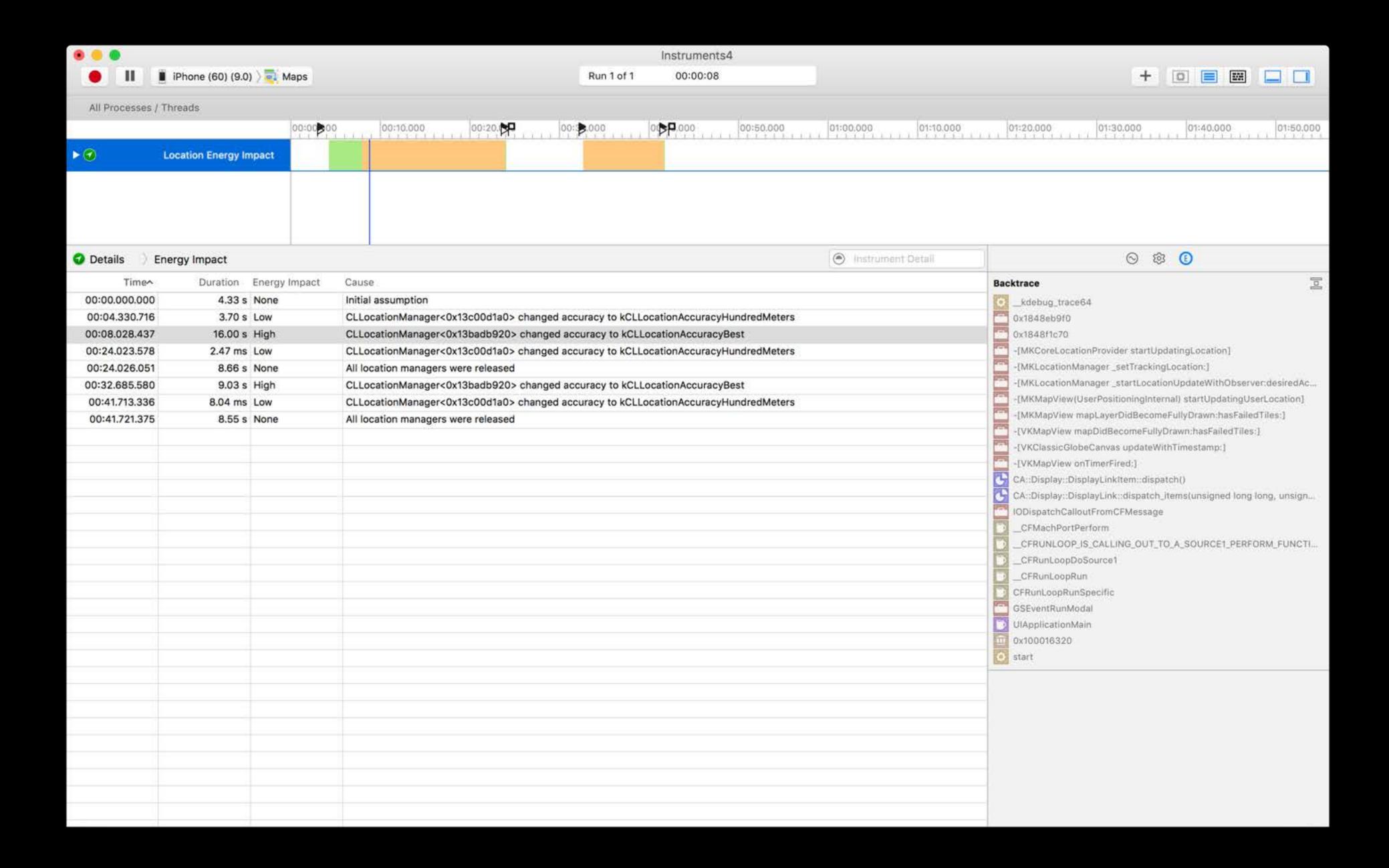
Implementing UI Designs in Interface Builder	Pacific Heights	Wednesday 1:30PM
App Thinning in Xcode	Presidio	Wednesday 9:00AM
Introducing On Demand Resources	Pacific Heights	Wednesday 4:30PM



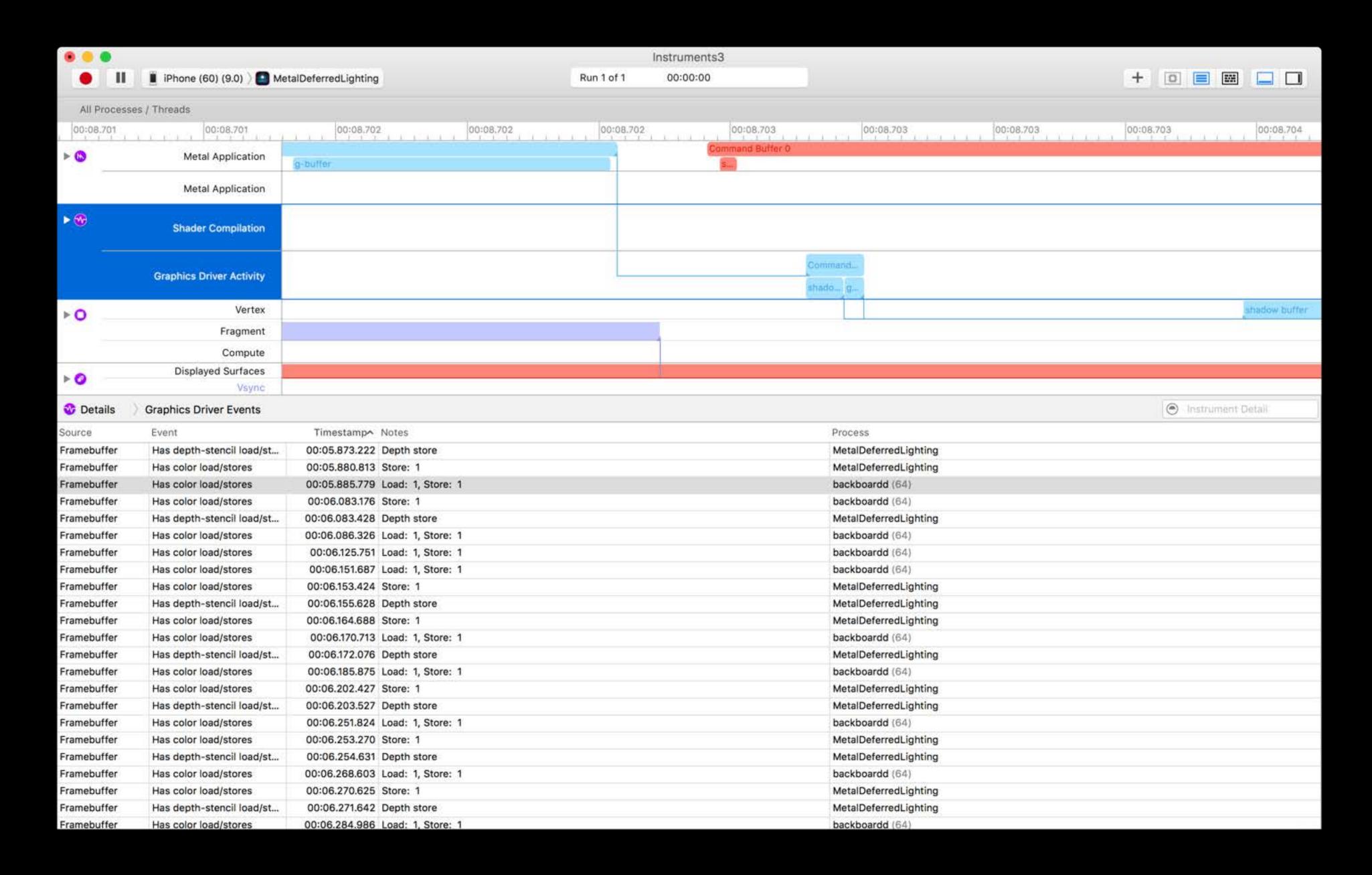
Debugging and Profiling Tools



#### Location Instrument

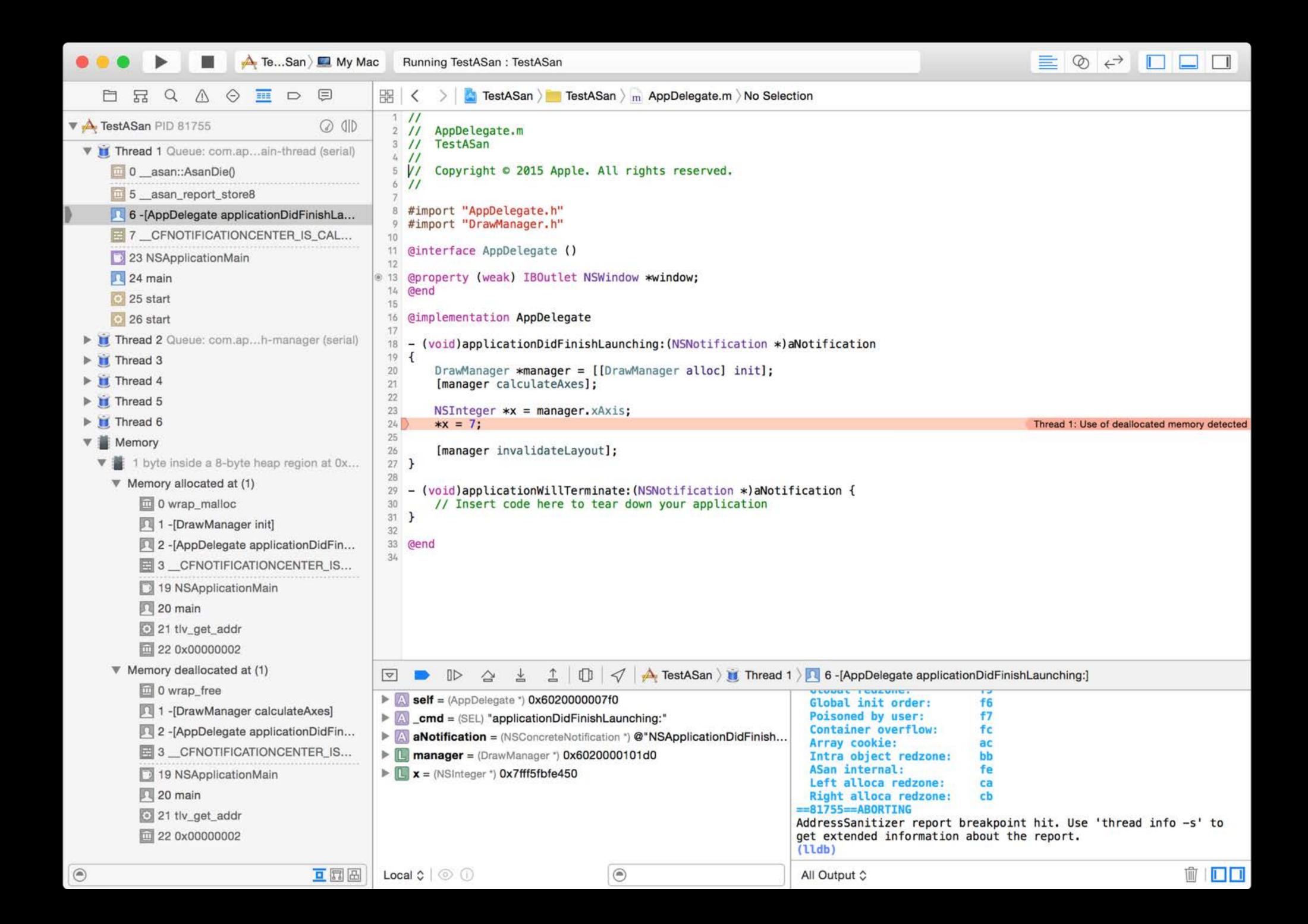


#### Metal System Trace





Address Sanitizer



Kate Stone Developer Tools

Advanced Debugging and the Address Sanitizer	Mission	Friday 9:00AM
What's New in LLDB	Nob Hill	Tuesday 2:30PM



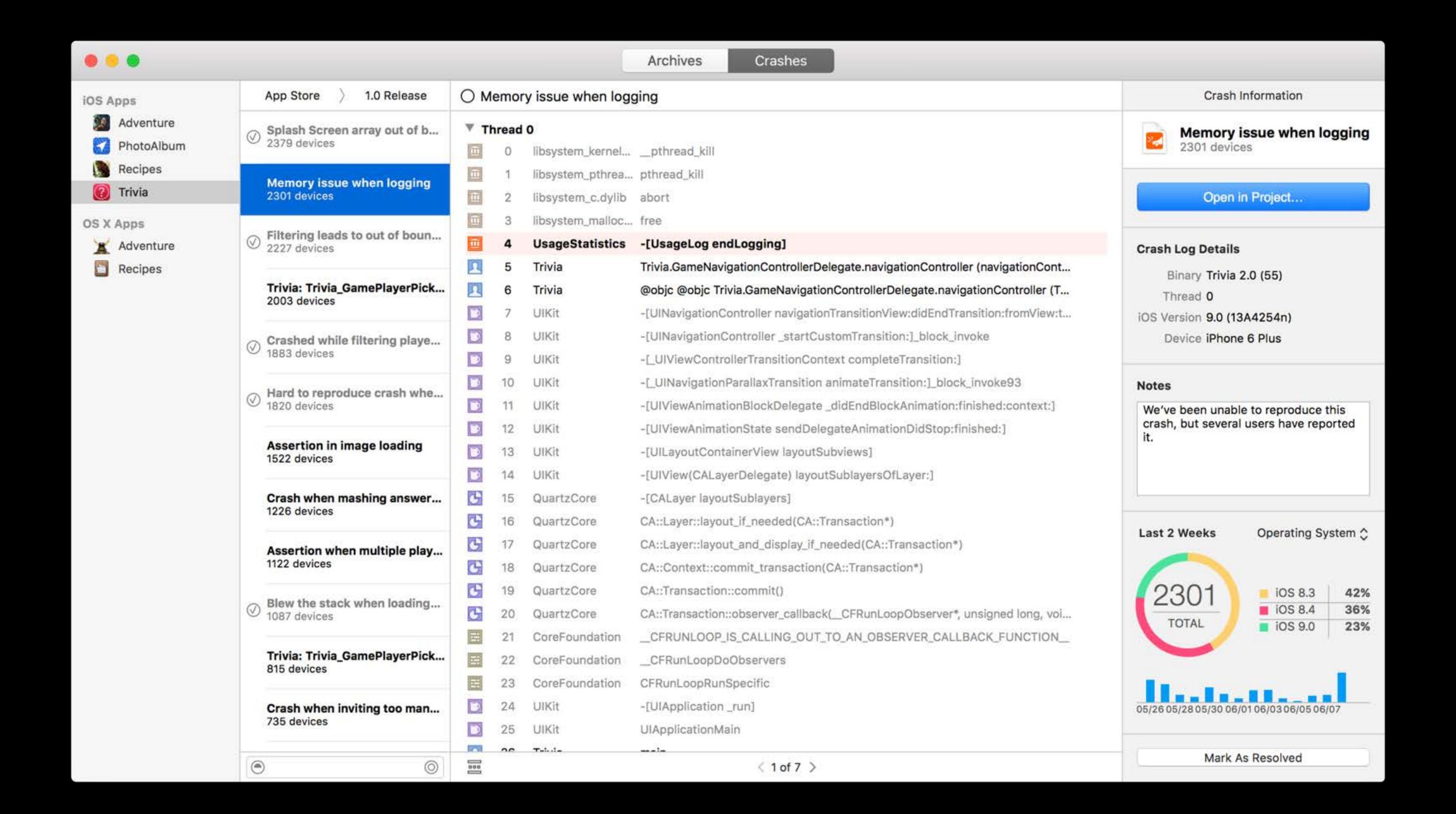
Crash Logs



Fully Symbolicated

App Store and Test Flight

Full Xcode Integration



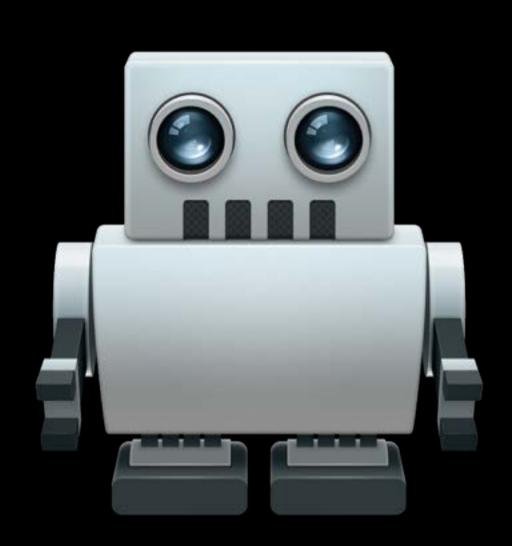
Itai Rom Developer Tools



Testing







Test Navigator

XCTest

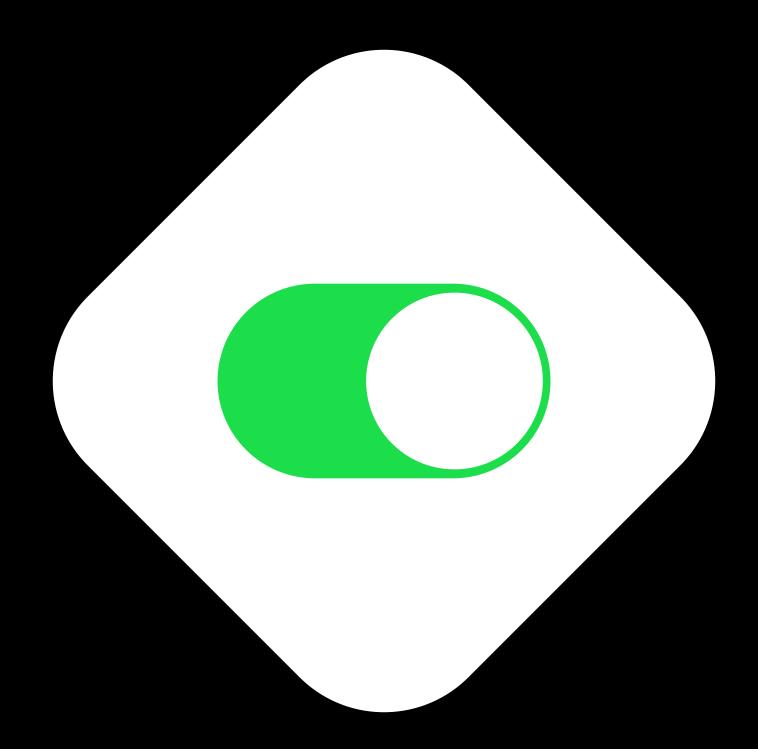
Xcode Server



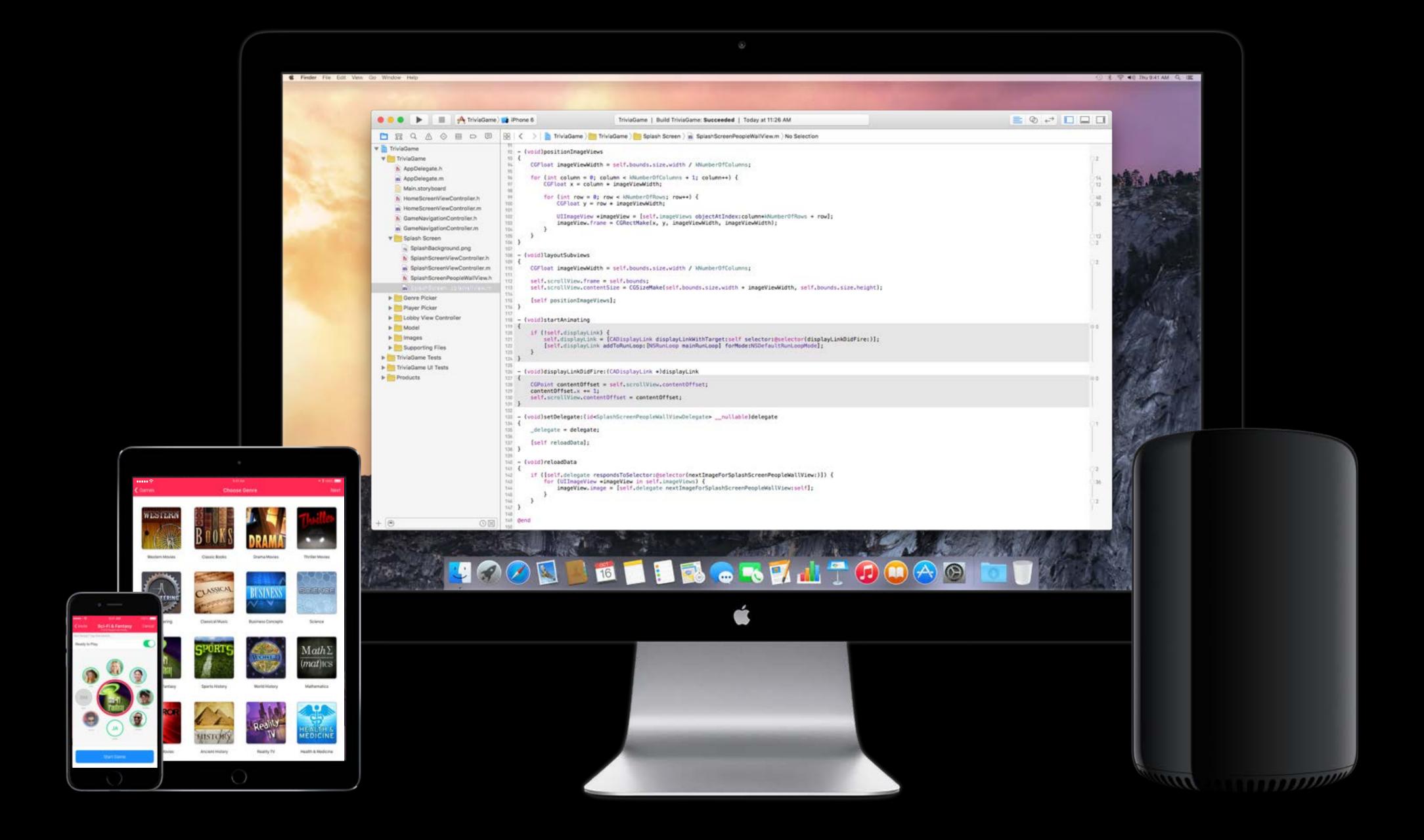


Performance

Asynchronous



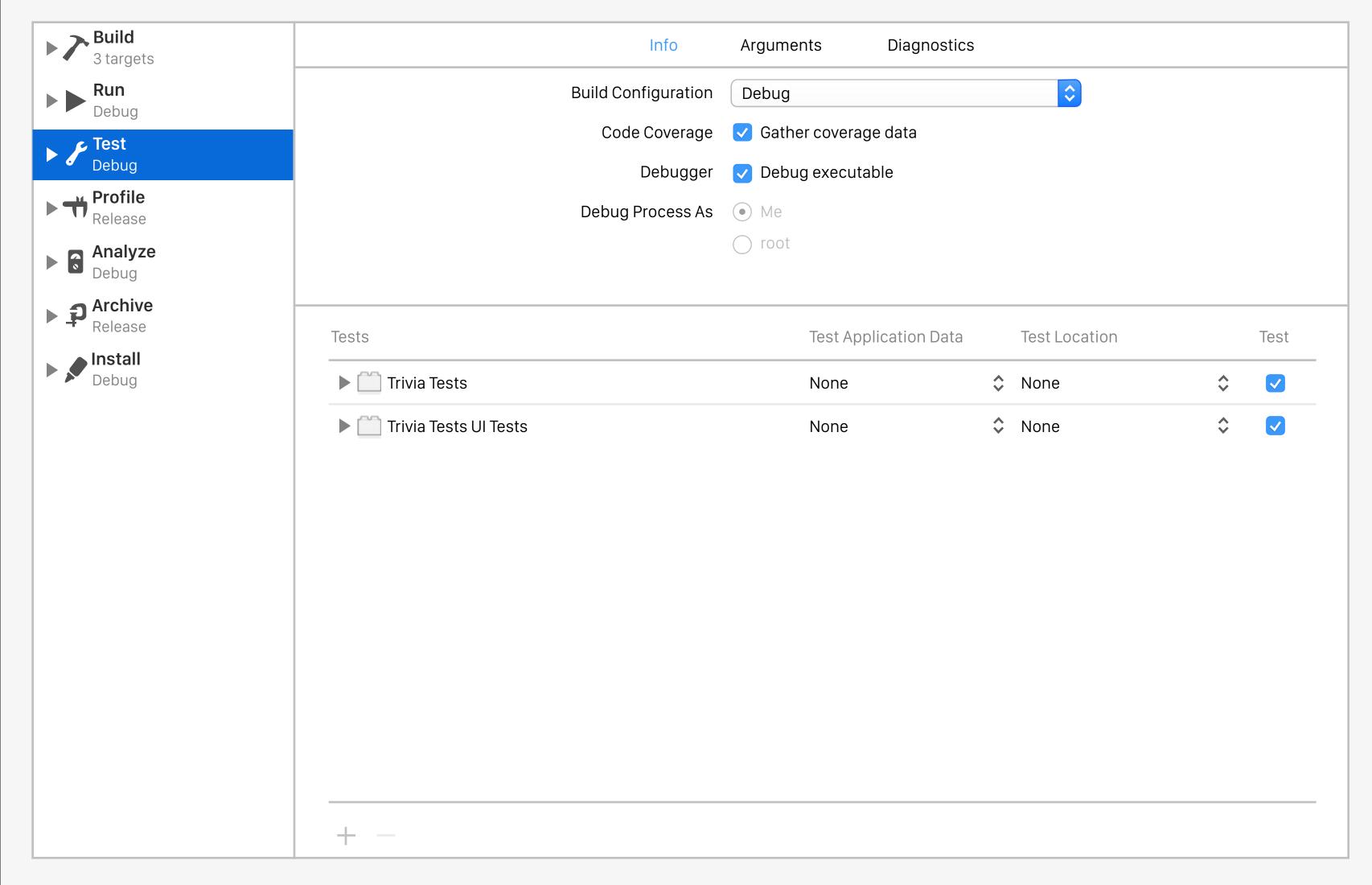
User Interface Testing





Code Coverage





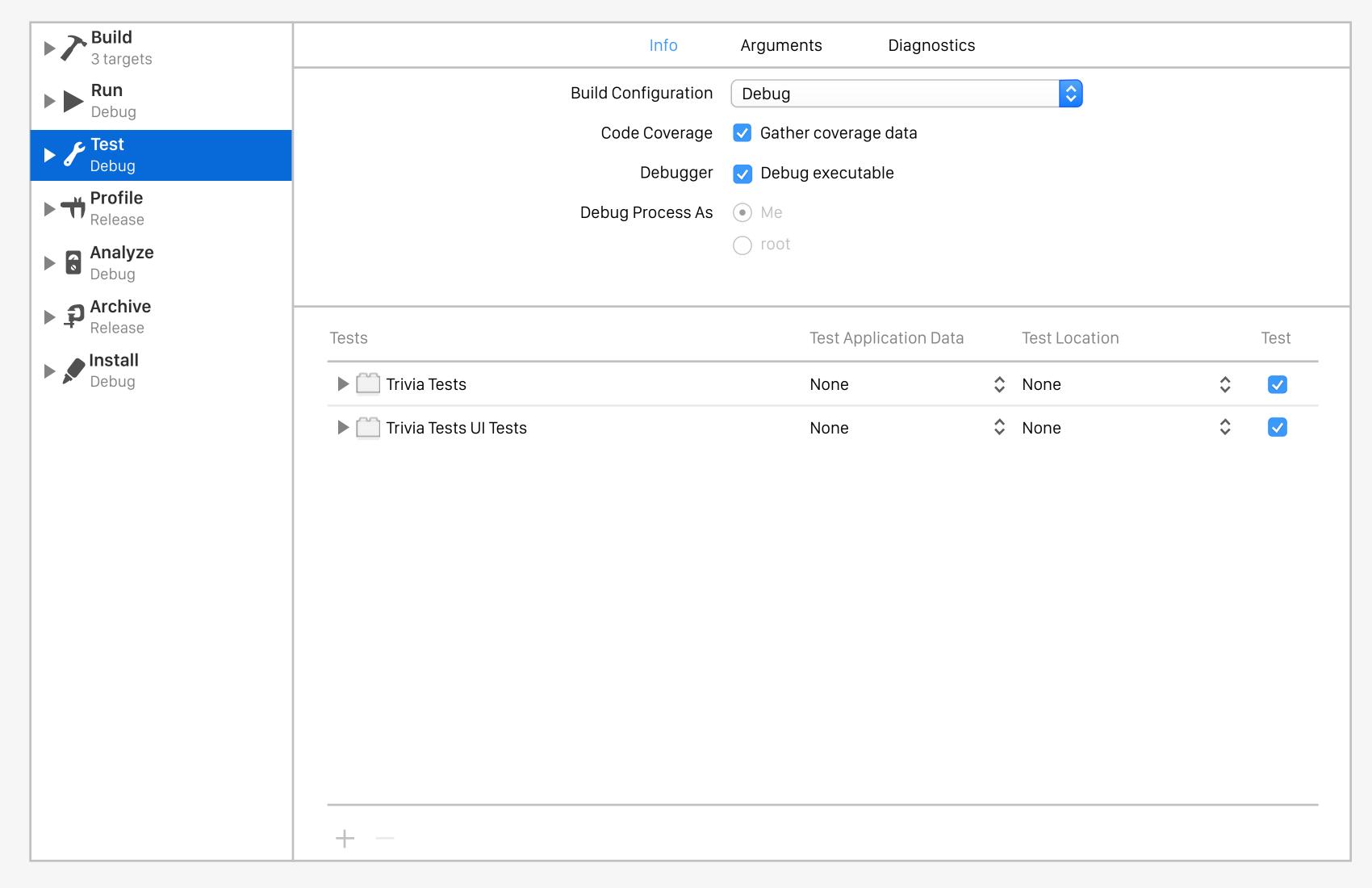
Duplicate Scheme

Manage Schemes...

Shared

Close



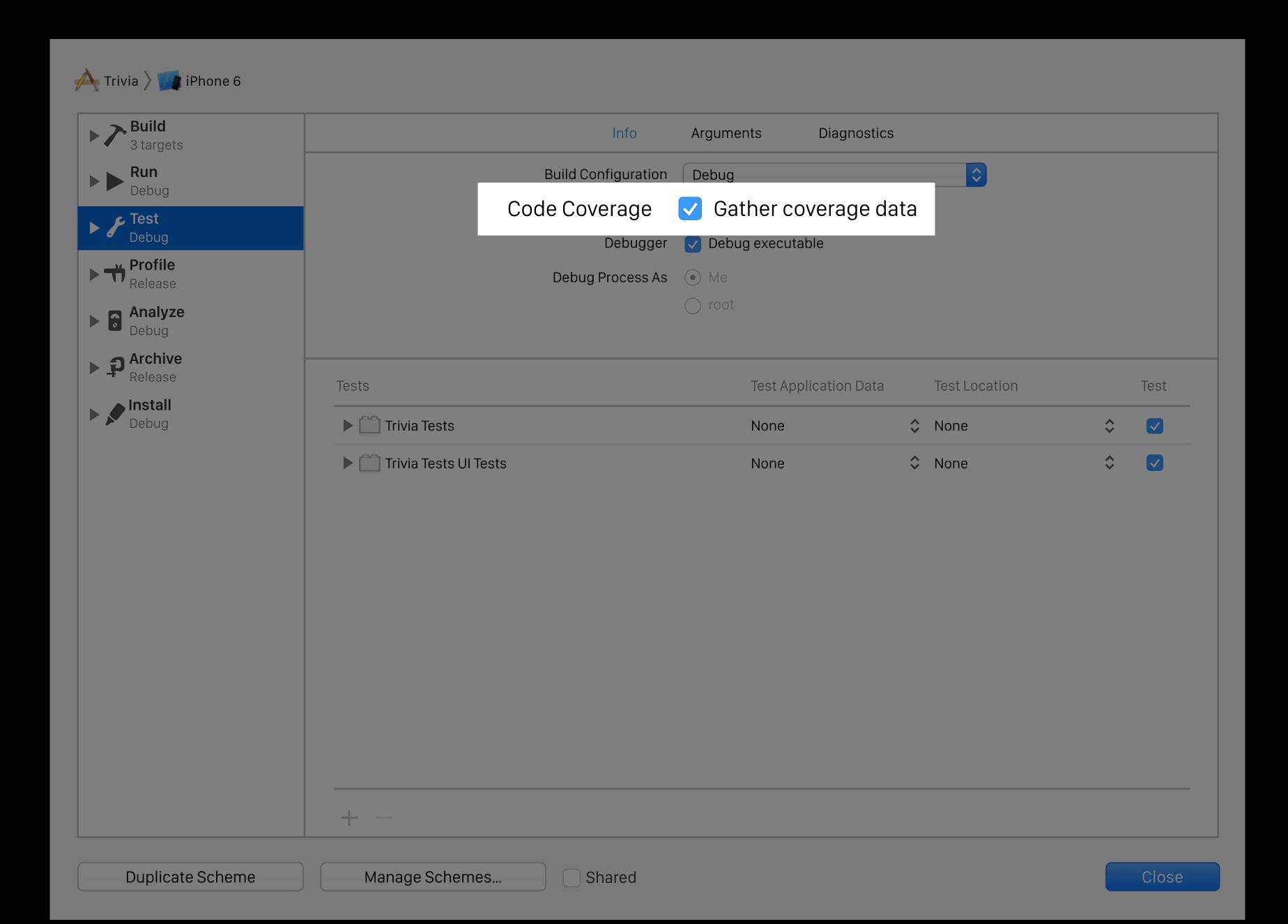


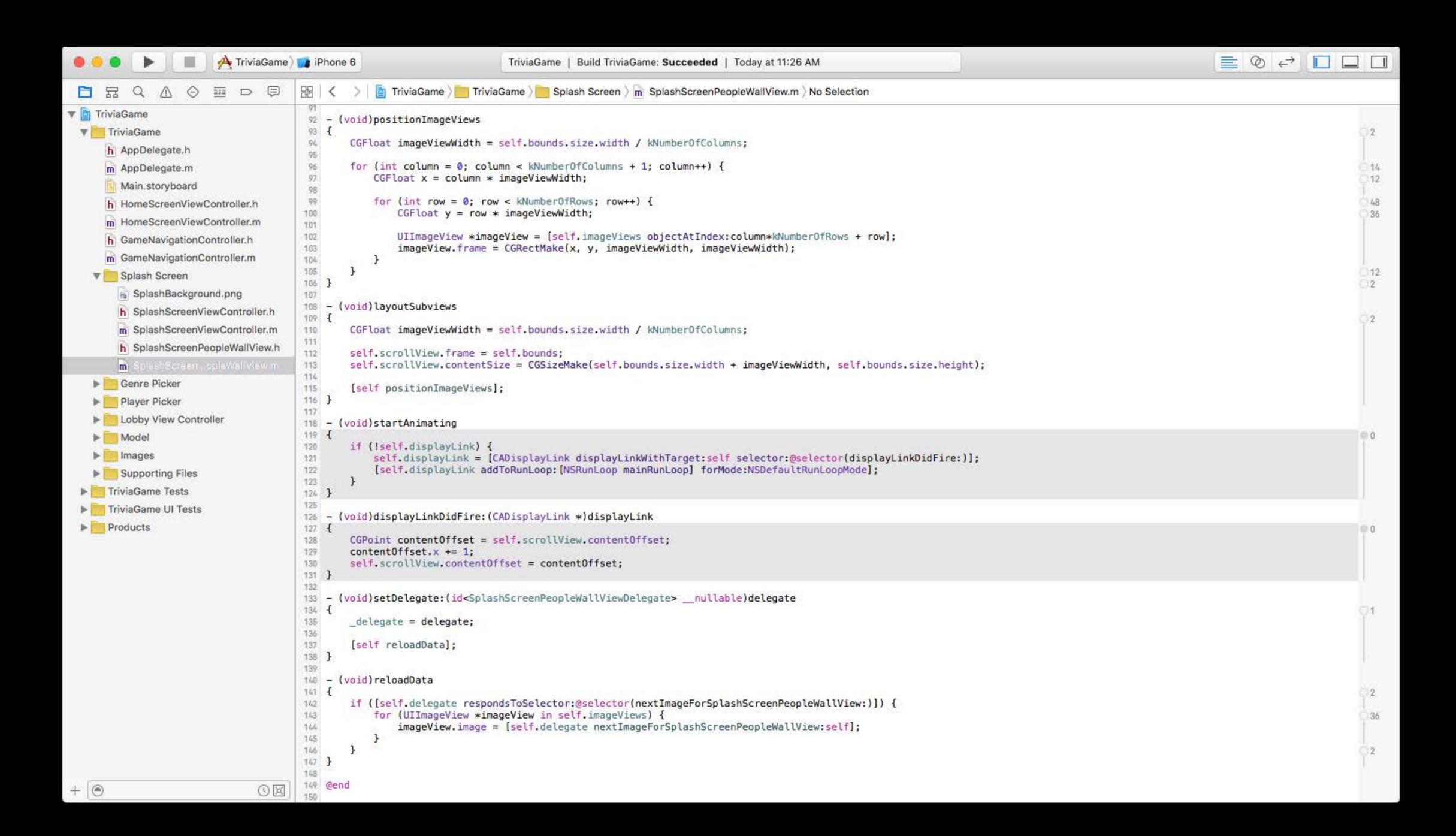
Duplicate Scheme

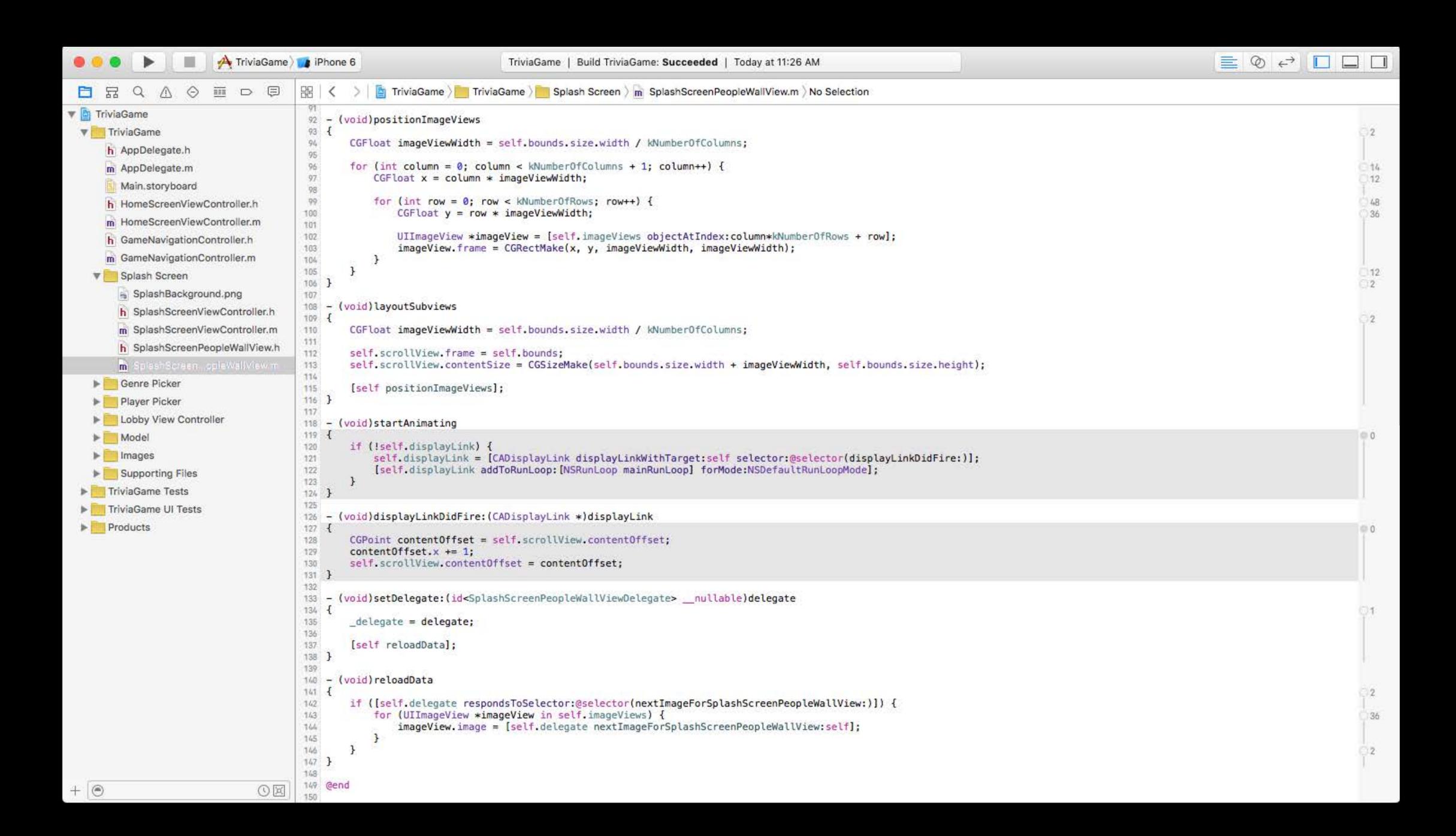
Manage Schemes...

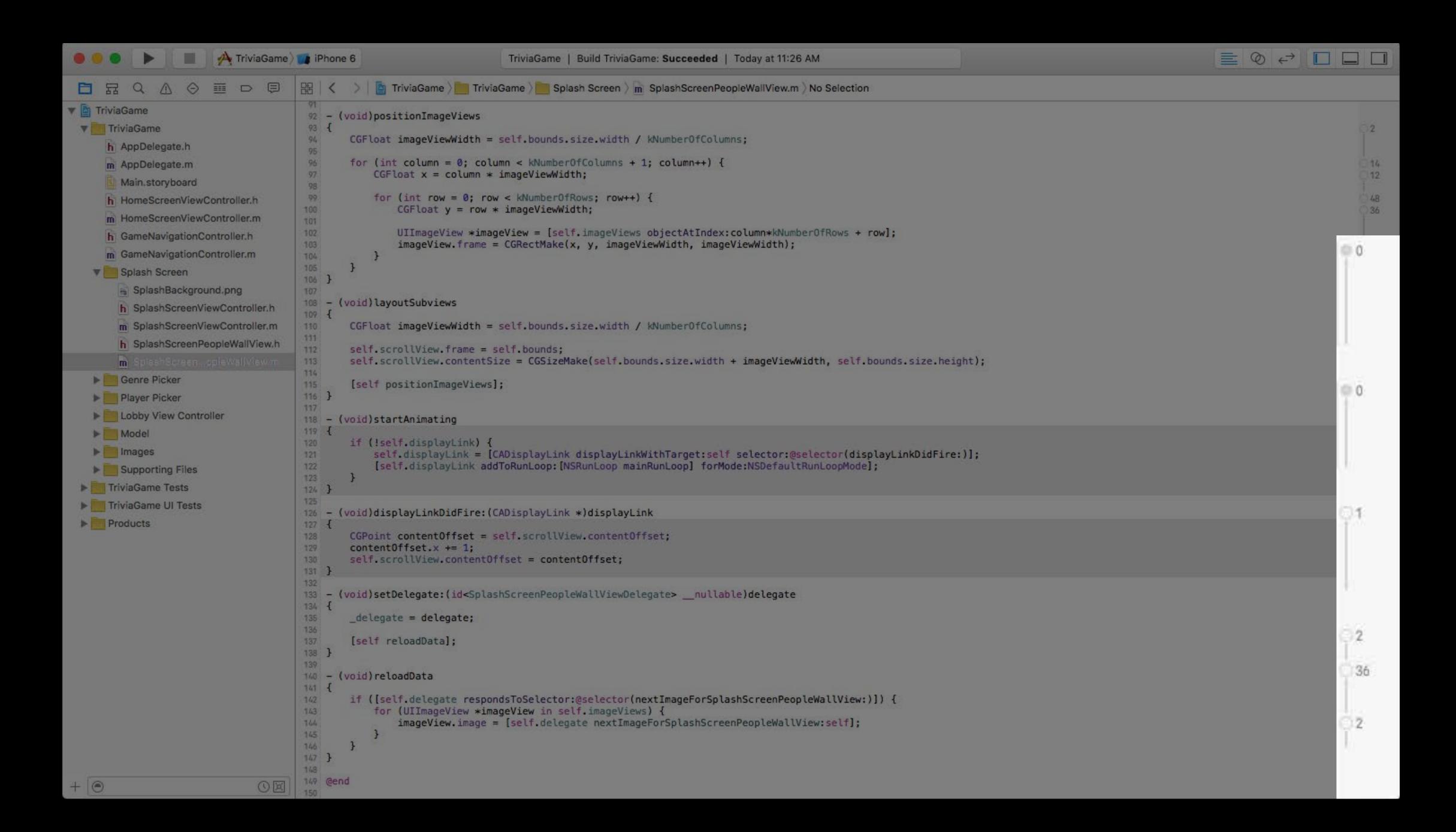
Shared

Close









Joar Wingfors Developer Tools

Ul Testing in Xcode	Nob Hill	Wednesday 11:00AM
Continuous Integration and Code Coverage in Xcode	Presidio	Thursday 10:00AM

Texture Atlas Support

Incremental SCM Logs

GPU System Trace

Bitcode

User Interface Testing

Instruments Track View

SCM with ssh Level Editor

Action Editor

Local ODR hosting

Data Sets Code Coverage

App Extension Crash Logs

Stack View

Playground Pages

Address Sanitizer

App Slicing

ODR Resource Tagging

Global Illumination

XCODE

ODR Debug Gauge

Storyboard References

OS X Crash Logs

View Debugger Focus

SCM On-Ramp



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