Introducing WatchKit for watchOS 2

Session 105

Josh Shaffer watchOS

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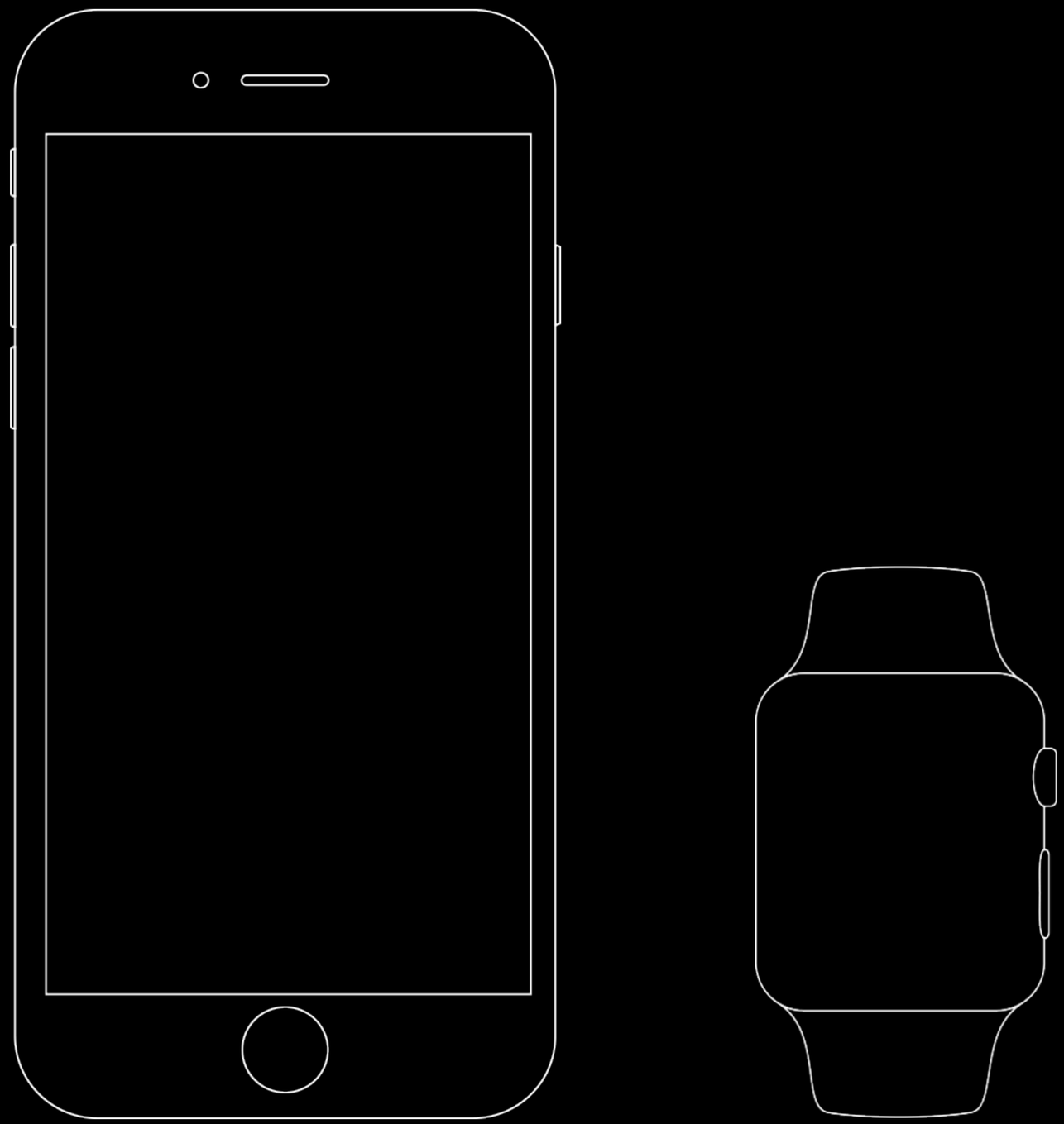
WatchKit

watchOS

10:09 AM
100%
Messages
Monday
8
Calendar
Photos
Camera
Weather
Clock
280
Maps
Videos
Wallet
Notes
Reminders
Stocks
iTunes Store
App Store
iBooks
News
Health
Settings
Phone
Safari
Mail
Music



iPhone App
WatchKit
Extension
WatchKit UI

iPhone App
WatchKit UI
WatchKit
Extension

WatchKit UI
WatchKit
Extension

WatchKit UI
WatchKit
Extension

WatchKit

WatchKit

Digital Crown

Layout and Animation

Taptic Engine

Audio and Video

Alerts

PassKit

CAPTION 1
ITEM 1
ITEM 2

CAPTION 1
ITEM 1
ITEM 2

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30
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Reset
Start

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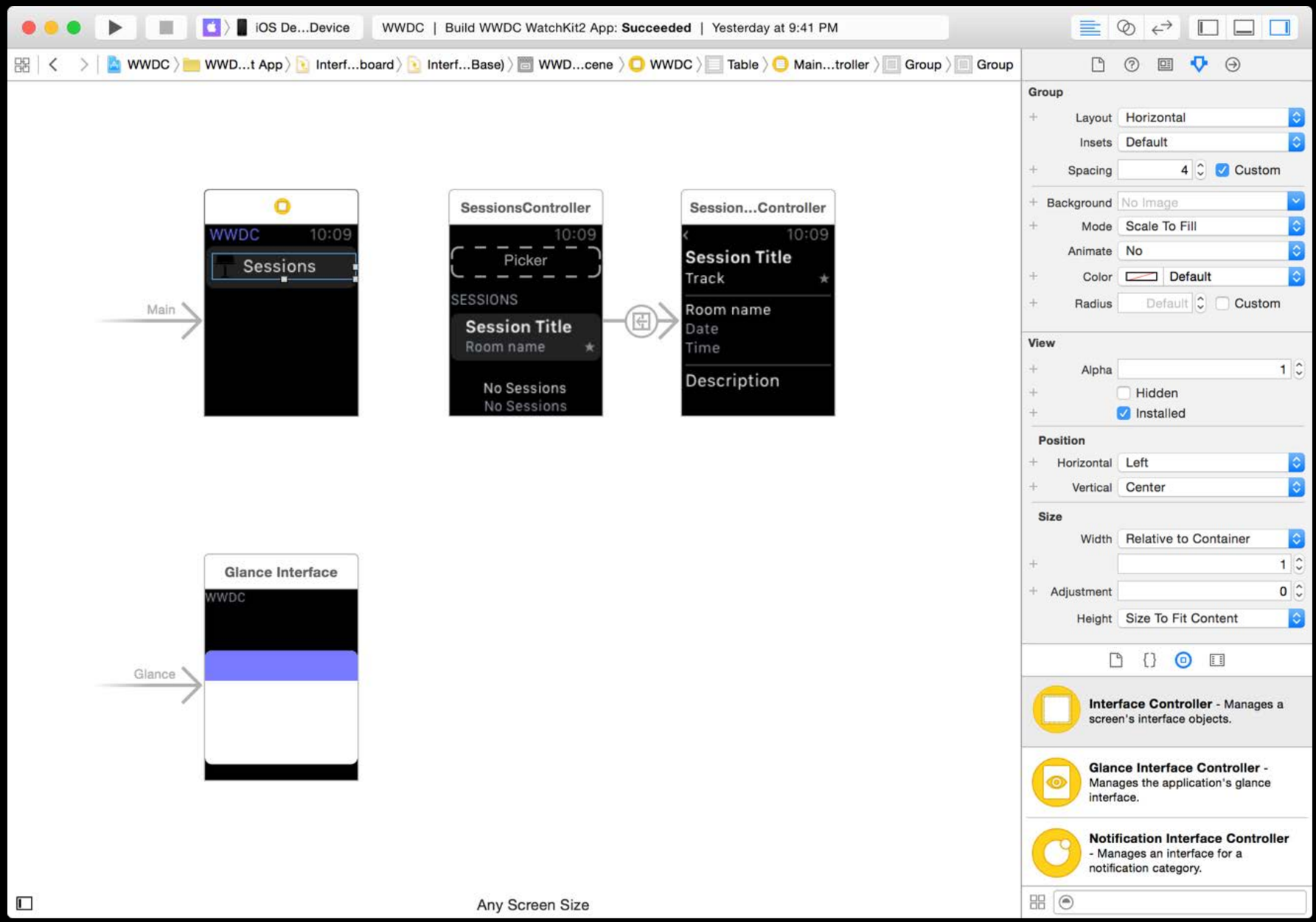
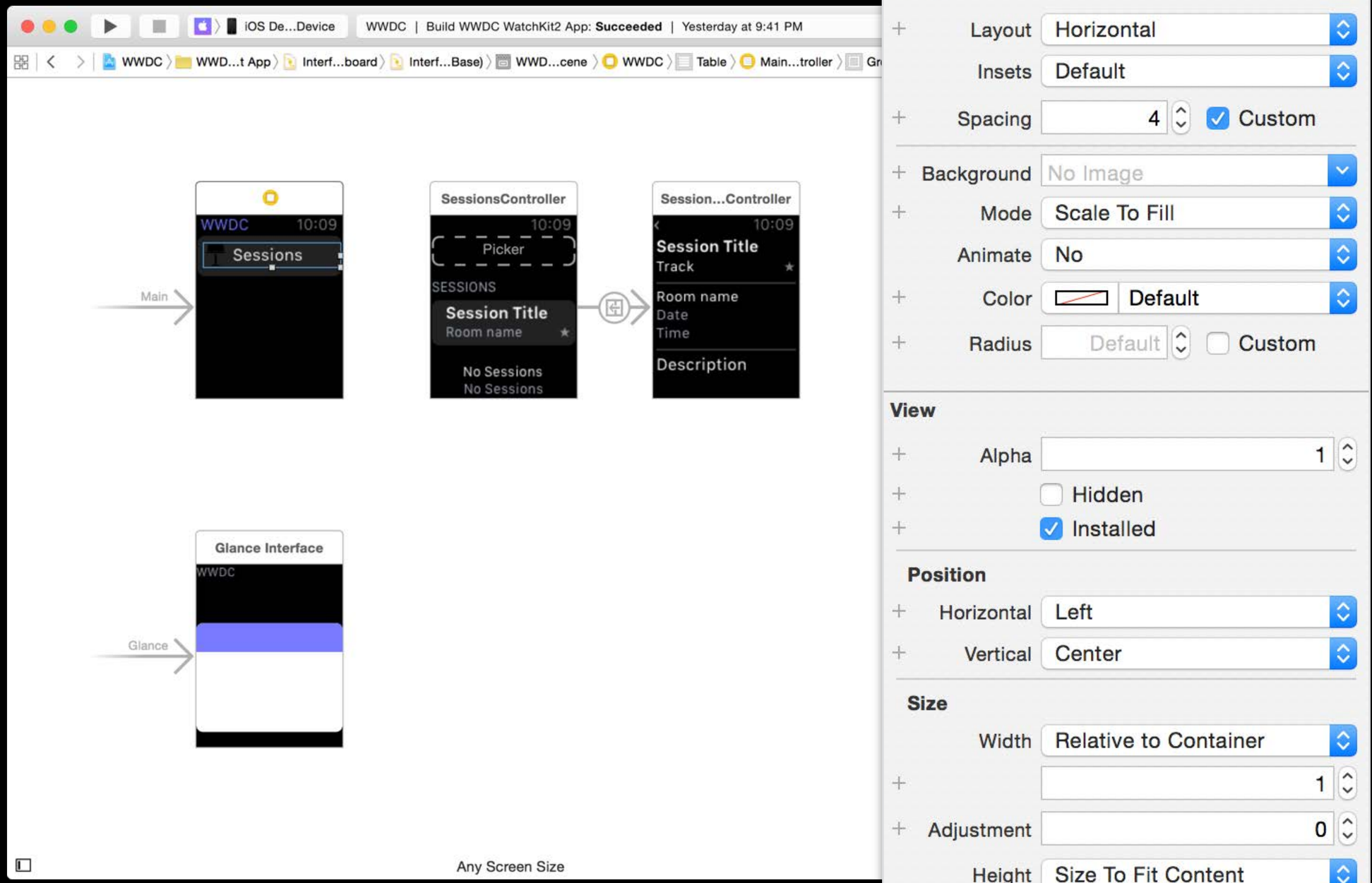
Reset
Start


iOS De...Device
WWDC | Build WWDC WatchKit2 App: Succeeded | Yesterday at 9:41 PM
WWDC
WWD...t App
Interf...board
Interf...Base)
WWD...cene
WWDC
Table
Main...troller
Group
Group
Main
WWDC
10:09
Sessions
SessionsController
10:09
Picker
SESSIONS
Session Title
Room name
No Sessions
No Sessions
Session...Controller
10:09
Session Title
Track
Room name
Date
Time
Description
Glance
Glance Interface
WWDC
Any Screen Size
Group
Layout
Horizontal
Insets
Default
Spacing
4
Custom
Background
No Image
Mode
Scale To Fill
Animate
No
Color
Default
Radius
Default
Custom
View
Alpha
1
Hidden
Installed
Position
Horizontal
Left
Vertical
Center
Size
Width
Relative to Container
1
Adjustment
0
Height
Size To Fit Content
Interface Controller - Manages a screen's interface objects.
Glance Interface Controller - Manages the application's glance interface.
Notification Interface Controller - Manages an interface for a notification category.


iOS De...Device
WWDC | Build WWDC WatchKit2 App: Succeeded | Yesterday at 9:41 PM
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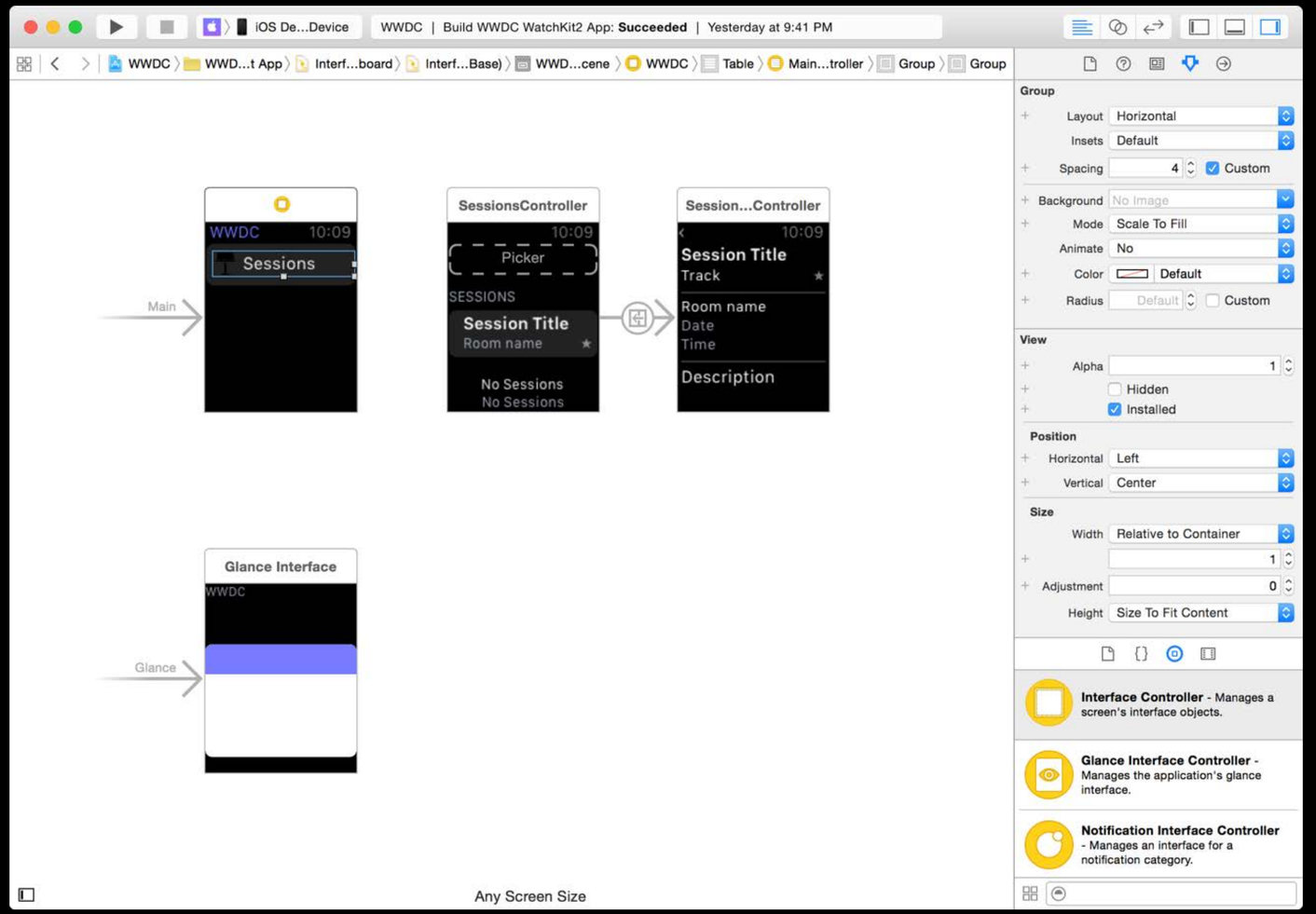
Height
Size To Fit Content



Layout and Animation Techniques for WatchKit

Pacific Heights Thursday 10:00AM

TAPTIC
ENGINE

TAPTIC
ENGINE

```
WKInterfaceDevice.currentDevice().playHaptic(.Click)
```

```
enum WKHapticType : Int {
    case Notification
    case DirectionUp
    case DirectionDown
    case Success
    case Failure
    case Retry
    case Start
    case Stop
    case Click
}
```

Designing for Apple Watch — Presidio — Wednesday 4:30PM

10:09

Cancel
00:00

Cancel
00:00

Cancel
00:00

10:09

10:09

0:03
The Blacker the Berr
Kendrick Lamar—To

Delete content?
This action cannot be undone.
Cancel
Delete

Delete content?
This action cannot be undone.
Cancel
Delete

10:09
Josh Shaffer
CALLING WORK

10:09

Cancel
10:09
UNITED
GATE C109
SFO
EWR
SAN FRANCISCO TO
NEWARK-LIBERTY INTL
BOARDS
7:05 AM
FLIGHT
UA 1065

Cancel
10:09
UNITED
GATE C109
SFO
EWR
SAN FRANCISCO TO
NEWARK-LIBERTY INTL
BOARDS
7:05 AM
FLIGHT
UA 1065

Cancel
10:09
Add

Add

WatchKit

WatchKit

WatchKit In-Depth, Part 1	Pacific Heights	Wednesday 9:00AM
WatchKit In-Depth, Part 2	Pacific Heights	Wednesday 10:00AM

ClockKit

NYC 1:09
8:21PM
11:00AM BRUNCH

NYC 1:09
8:21PM
11:00AM BRUNCH

NYC
1:09
57°
8:21

NYC
1:09
57°
8:21

MON
8
10:09
10:00AM
Keynote
8:21
65°
TOK
2:09

MON
8
10:09
10:00AM
Keynote
8:21
65°
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:30PM
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ne Union

4:30PM
Apple Design
Awards

10
Int
for

10:00AM
Keynote

:30PM
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wards

10:00AM
Intro to WatchKit
for watchOS 2

10:00AM
Keynote

2:30PM
Platforms State of the Union

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or watchOS 2

10:00AM
Keynote

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10:00AM
Intro to WatchKit
for watchOS 2

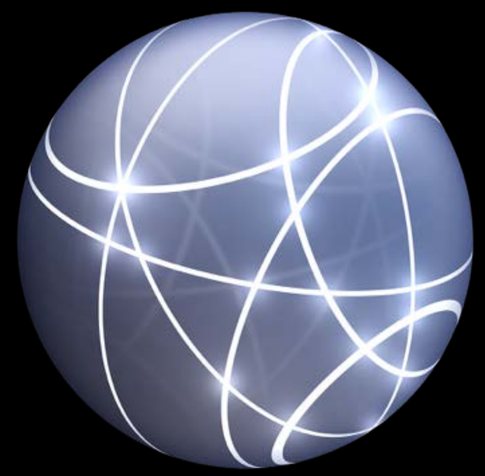
ClockKit

Creating Complications with ClockKit

Pacific Heights Wednesday 11:00AM

Networking

Mon
8

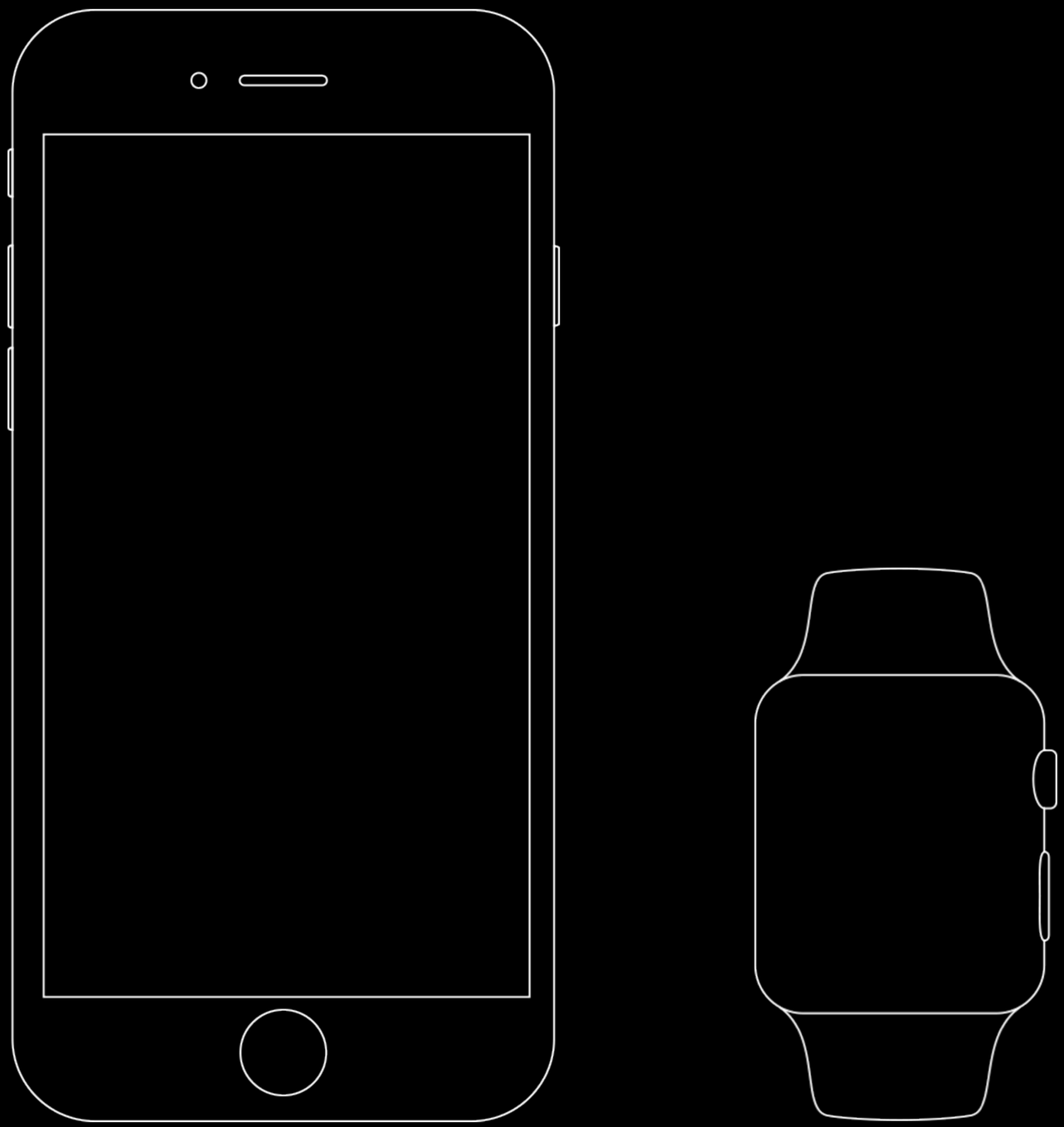


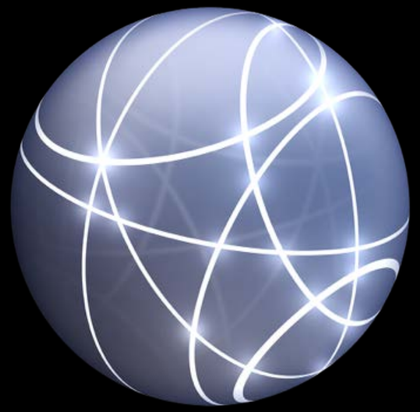
Networking with NSURLSession

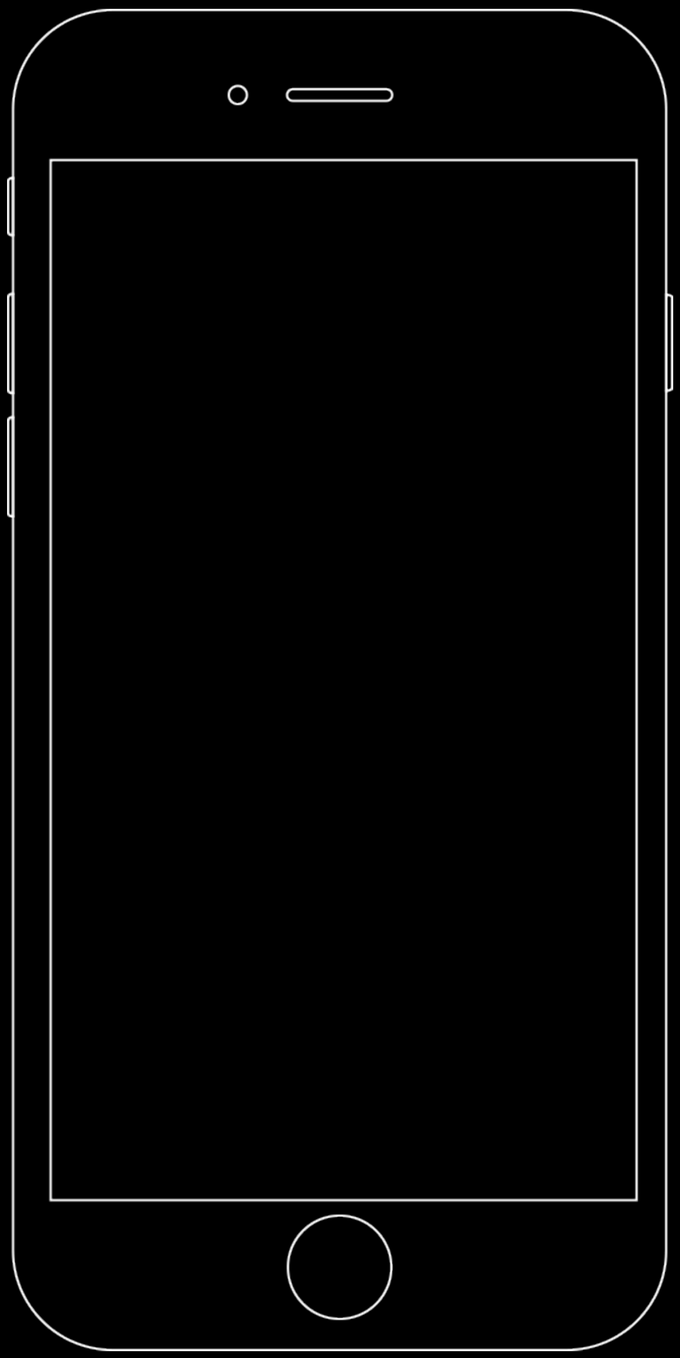
Pacific Heights

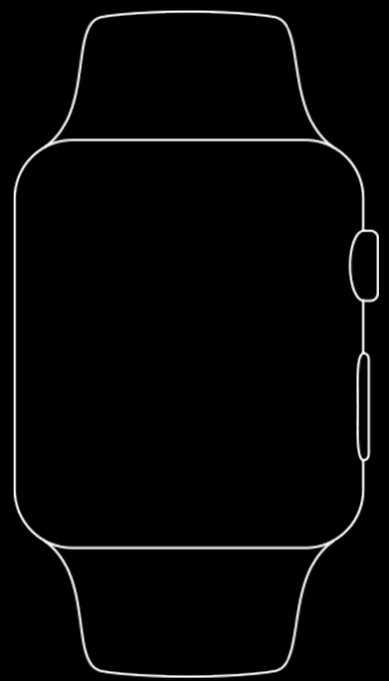
Thursday 9:00AM

10:09 AM
100%
Messages
Monday
8
Calendar
Photos
Camera
Weather
Clock
280
Maps
Videos
Wallet
Notes
Reminders
Stocks
iTunes Store
App Store
iBooks
News
Health
Settings
Phone
Safari
Mail
Music



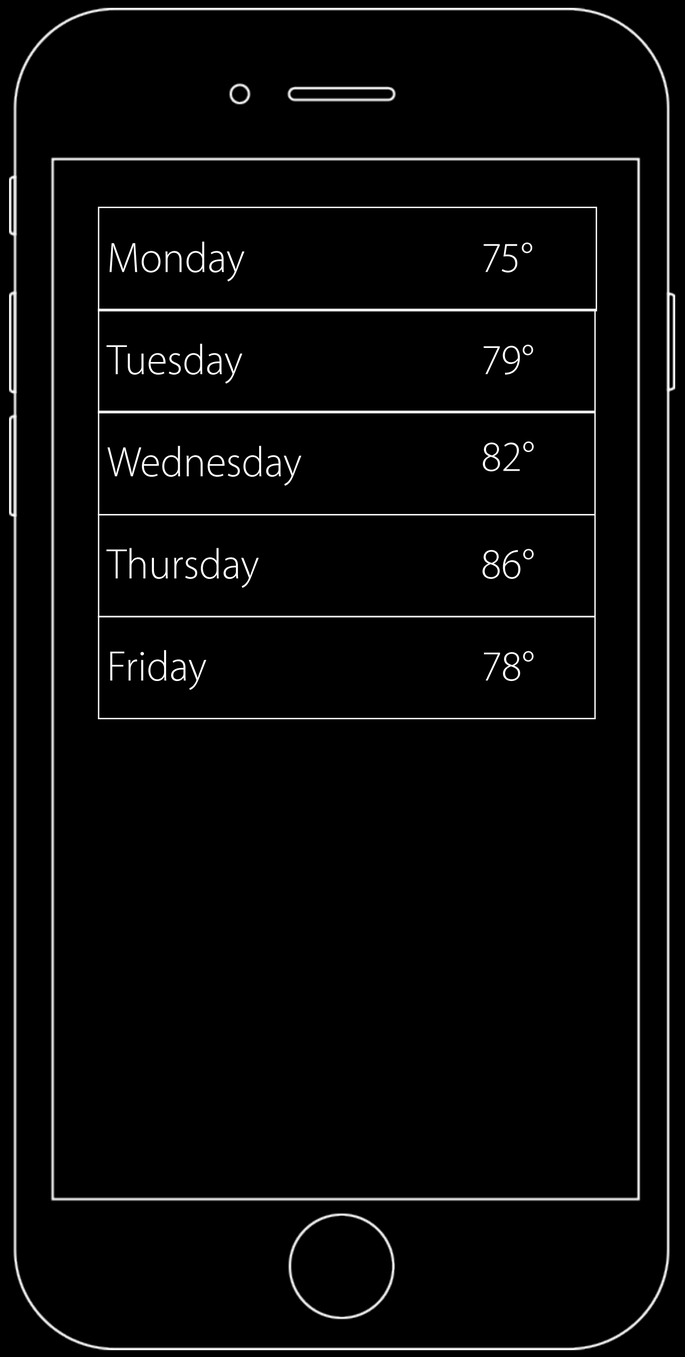






Monday 75°
Tuesday 79°
Wednesday 82°
Thursday 86°
Friday 78°

Monday 75°
Tuesday 79°
Wednesday 82°
Thursday 86°
Friday 78°


Monday 75°
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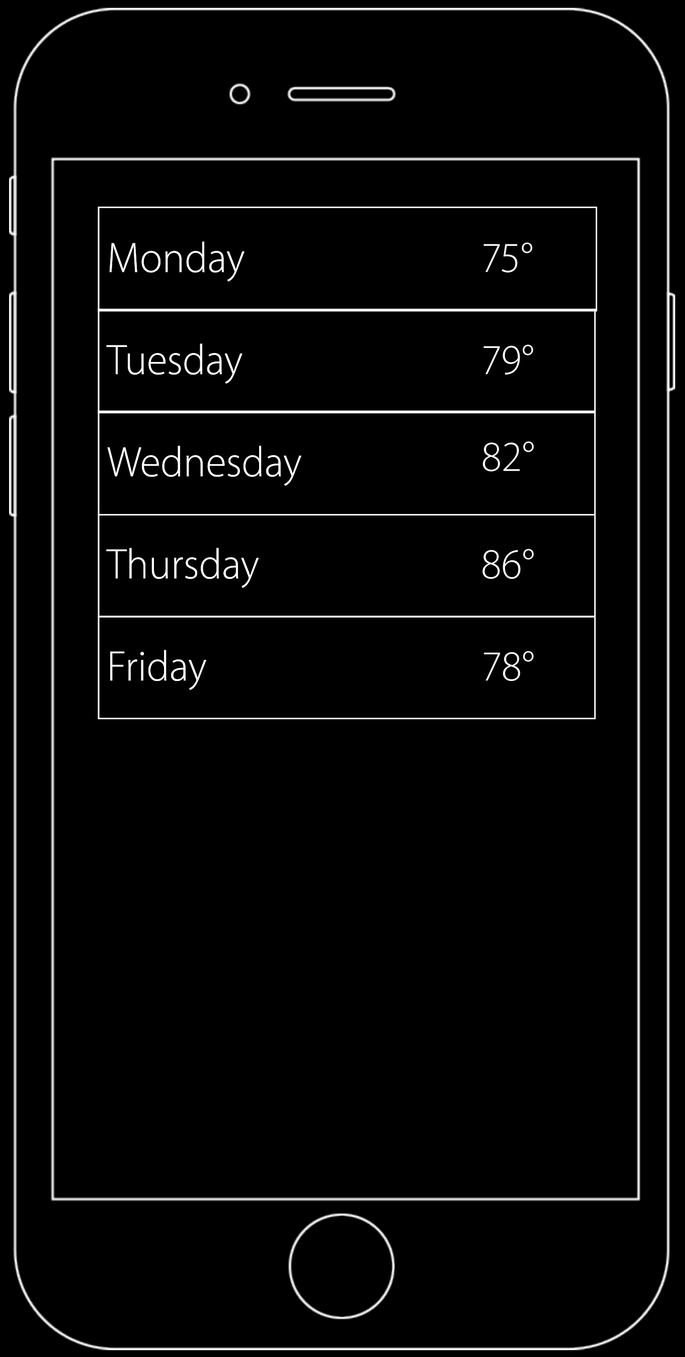
Monday 75°
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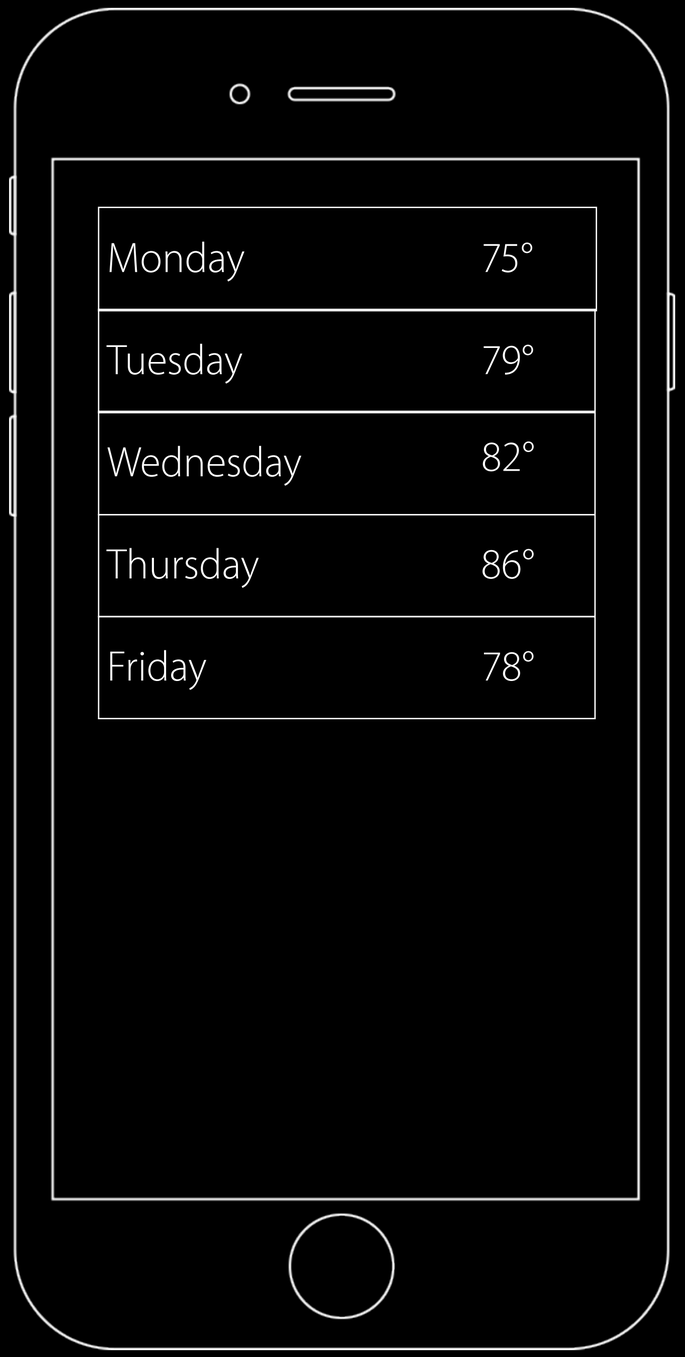

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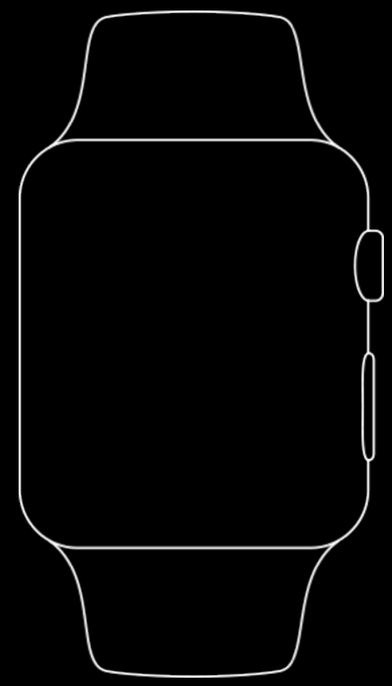
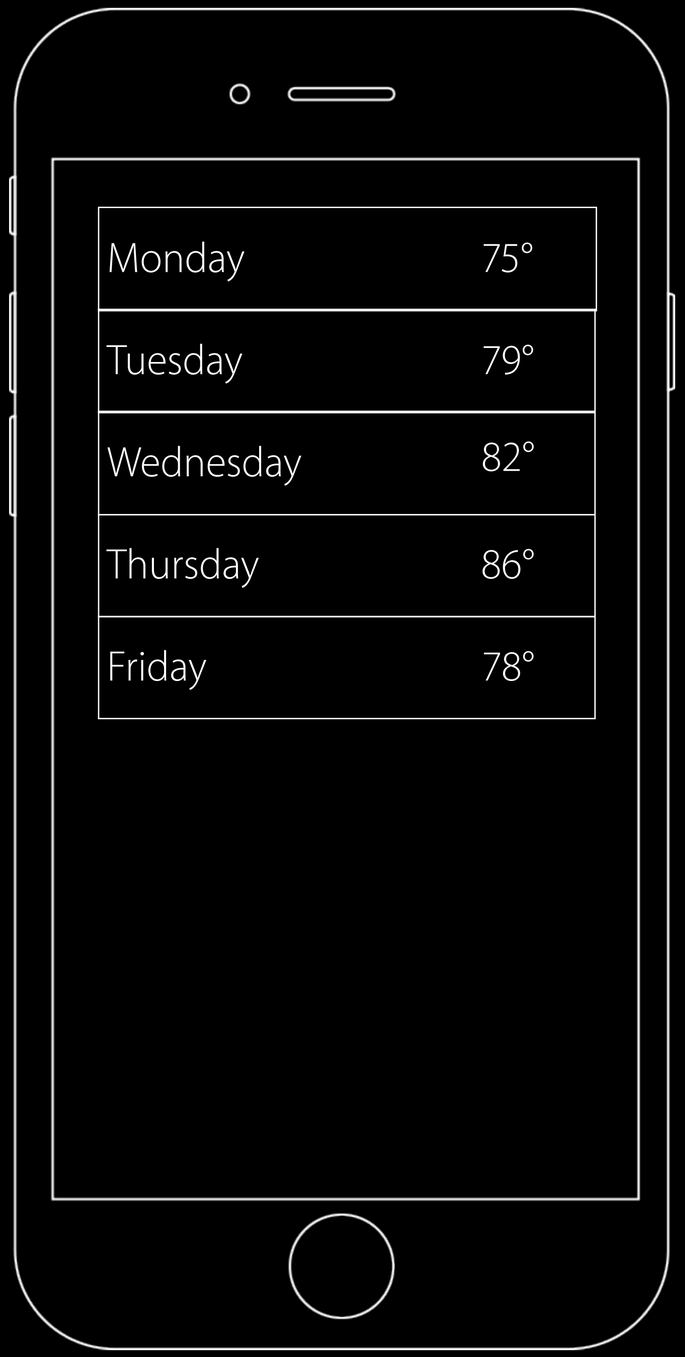
Thursday	86°
Friday	78°

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Tuesday 79°
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Friday 78°

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Tuesday 79°
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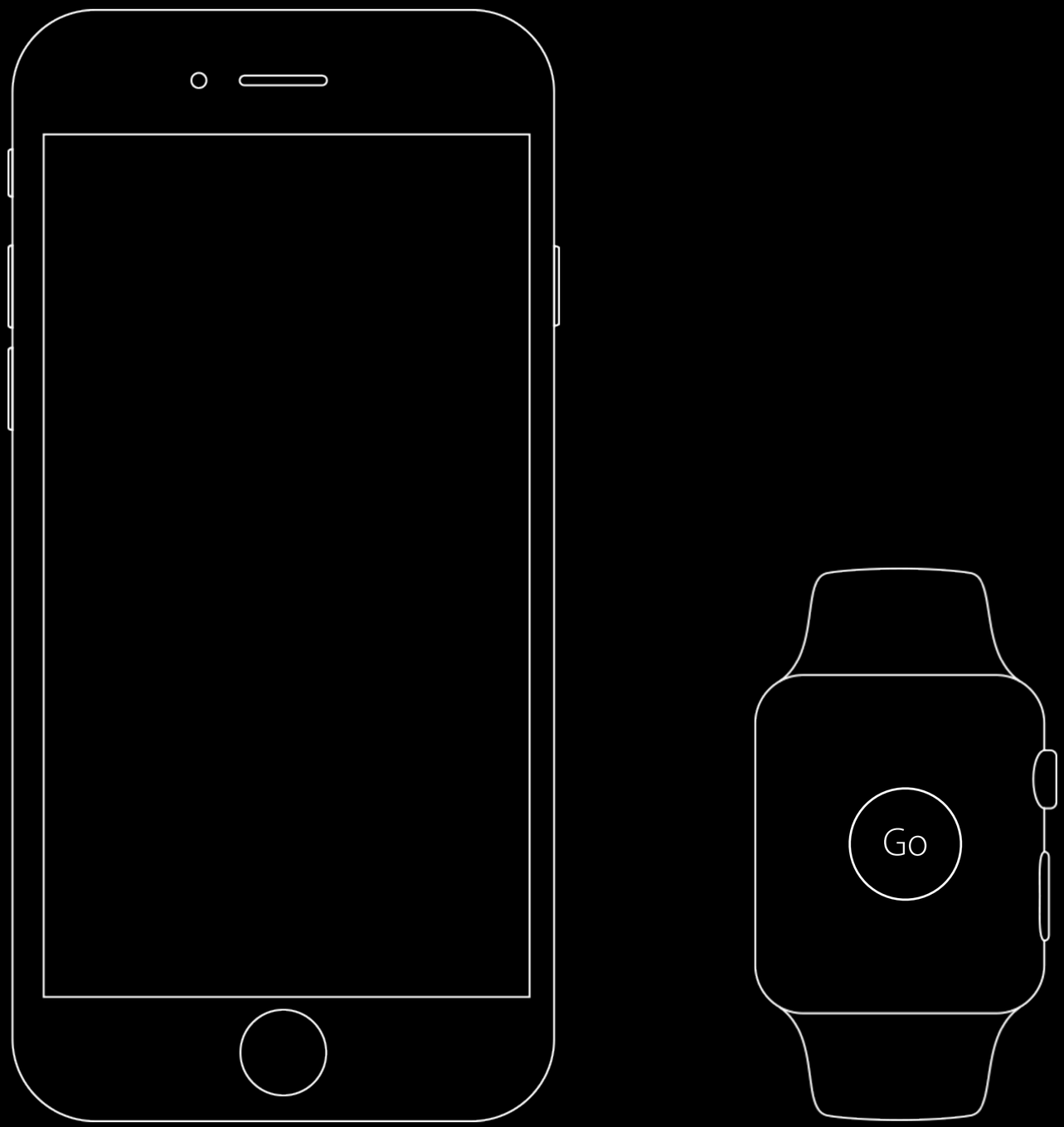
Friday 78°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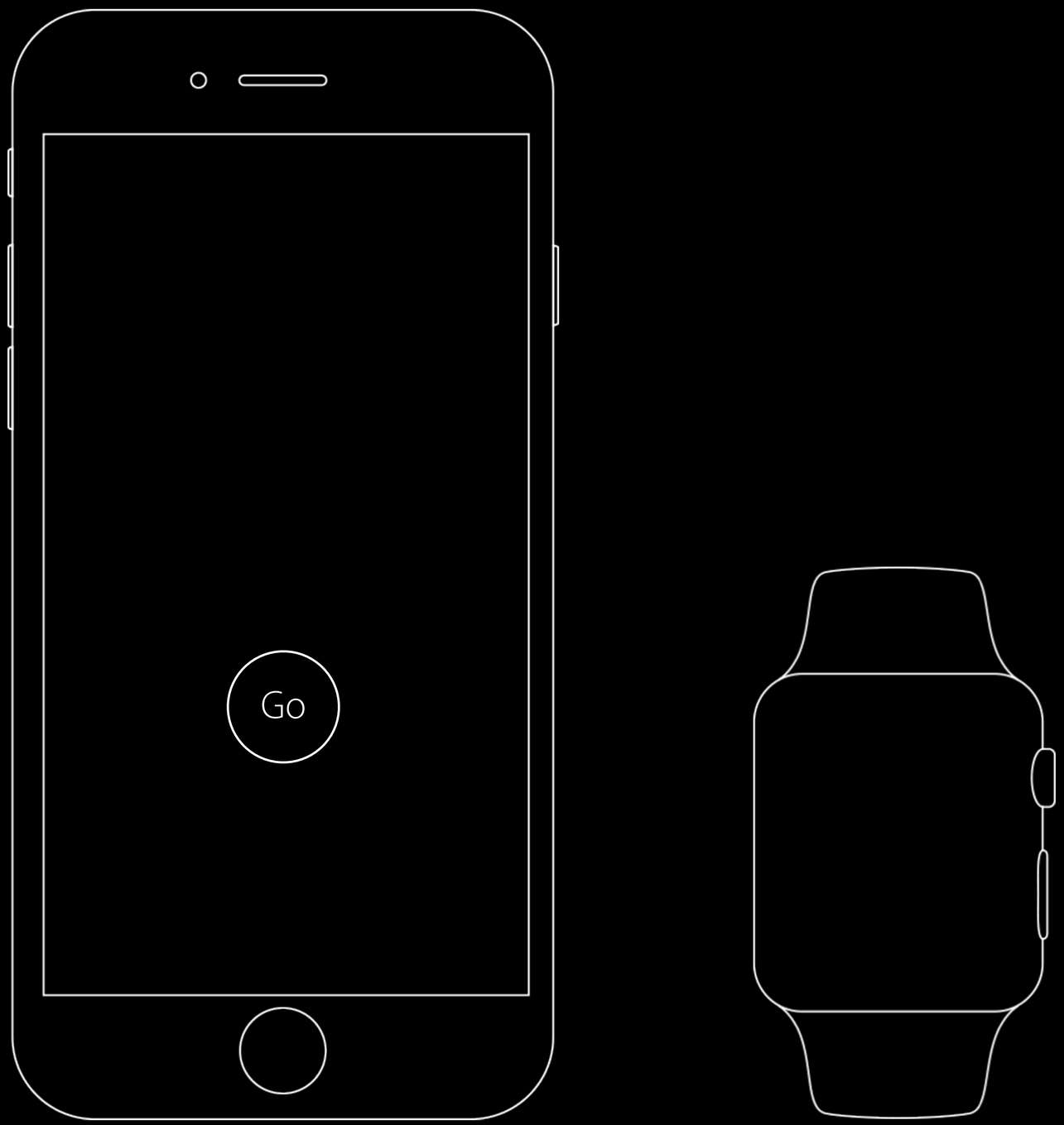
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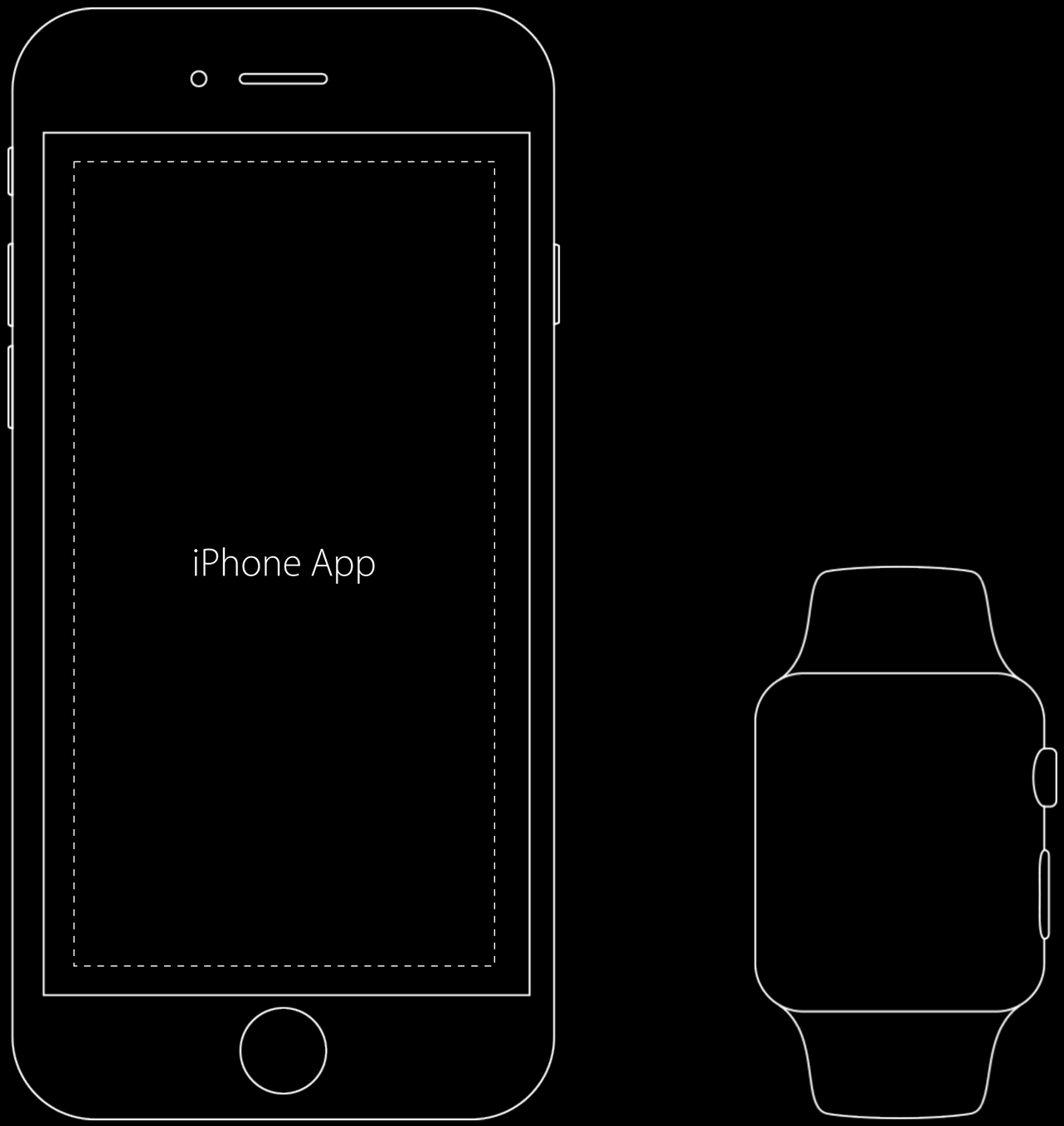
iPhone App

WatchConnectivity

Introducing Watch Connectivity — Pacific Heights — Thursday 11:00AM

Activity
10:09
MOVE
EXERCISE
STAND

Activity
10:09
MOVE
EXERCISE
STAND

CoreMotion

What's New in Core Motion	Nob Hill	Tuesday 3:30PM

Cupertino
71
71
58
71
°F
58
71
60
70
62
67
68

CoreLocation

What's New in Core Location | Pacific Heights | Thursday 1:30PM

Workout
10:09
Outdoor Walk
Outdoor Run
Outdoor Cycle
Indoor Walk

HealthKit

What's New in HealthKit | Pacific Heights | Tuesday 11:00AM

Security

Security and Your Apps	Mission	Tuesday 4:30PM

11:50 ETA
1 Infinite Loop
0.5 miles
10 minutes

MapKit

What's New in MapKit	Nob Hill	Tuesday 4:30PM

Contacts
10:09
K
Frank Kelly
P
Emily Parker
Andrew Penick

Contacts

Introducing the Contacts Framework for iOS and OS X	Pacific Heights	Thursday 3:30PM

Today
10:09
Keynote
Presidio
10 AM – 12 PM
Platforms State of the Union
Presidio
2:30 PM – 4 PM
Apple Design Awards

EventKit

watchOS

More Information

Documentation
watchOS 2 Transition Guide
WatchKit Programming Guide

Sample Code
Lister
WatchKit Catalog

developer.apple.com/watchOS

developer.apple.com/library/

Technical Support
Apple Developer Forums
developer.apple.com/forums

Developer Technical Support
developer.apple.com/support/technical

General Inquiries
Jake Behrens, watchOS Frameworks Evangelist
behrens@apple.com

Related Sessions

Apple Watch Accessibility	Pacific Heights	Tuesday 1:30PM
Privacy and Your App	Pacific Heights	Tuesday 2:30PM
Building Watch Apps	Pacific Heights	Tuesday 4:30PM
Designing for Apple Watch	Presidio	Wednesday 4:30PM
WatchKit Tips and Tricks	Presidio	Friday 10:00AM
Performance on iOS and watchOS	Presidio	Friday 11:00AM
Apple Watch Design Tips and Tricks	Presidio	Friday 3:30PM

WWDC15