

Chapter 1: UITableView Touch Up

Choose options for your new project:

Product Name:

Team:

Organization Name:

Organization Identifier:

Bundle Identifier:

Language:

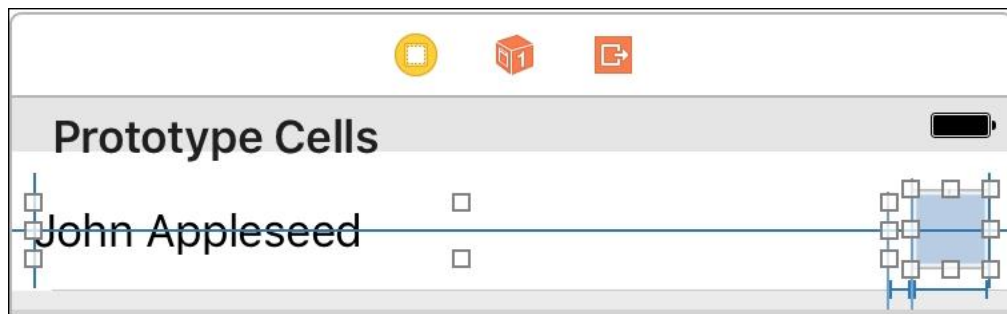
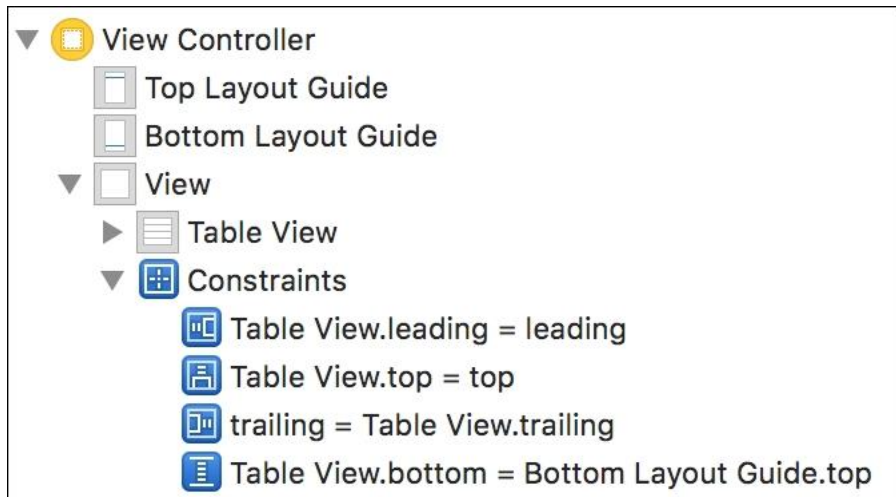
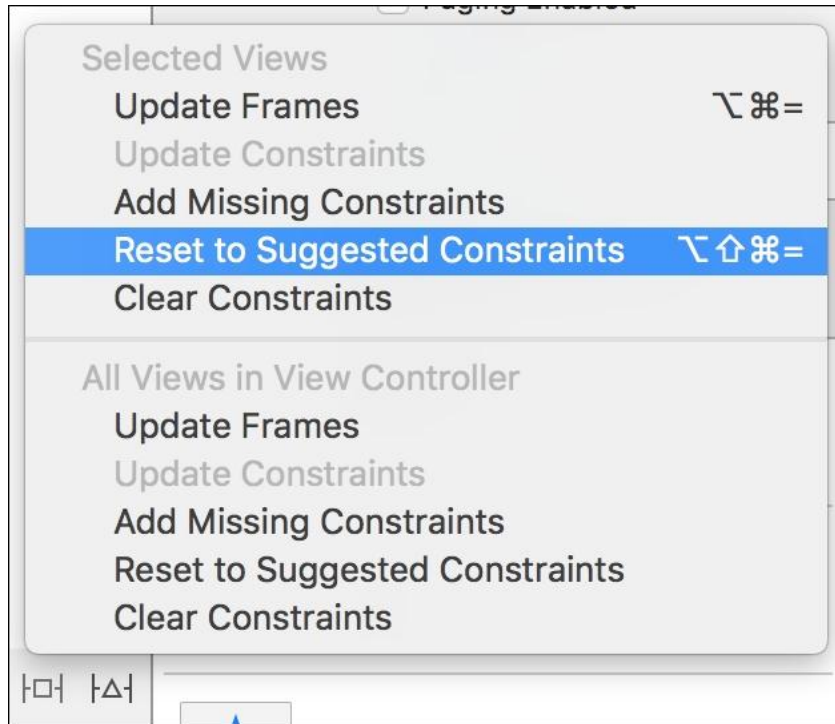
Devices:

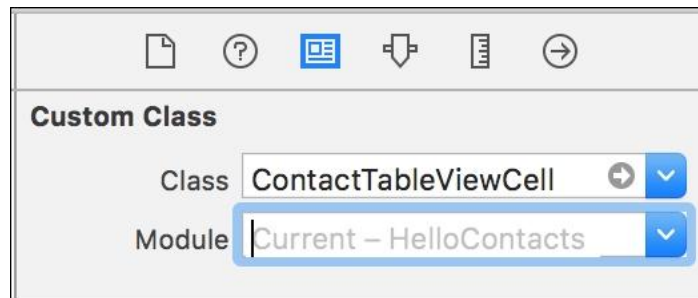
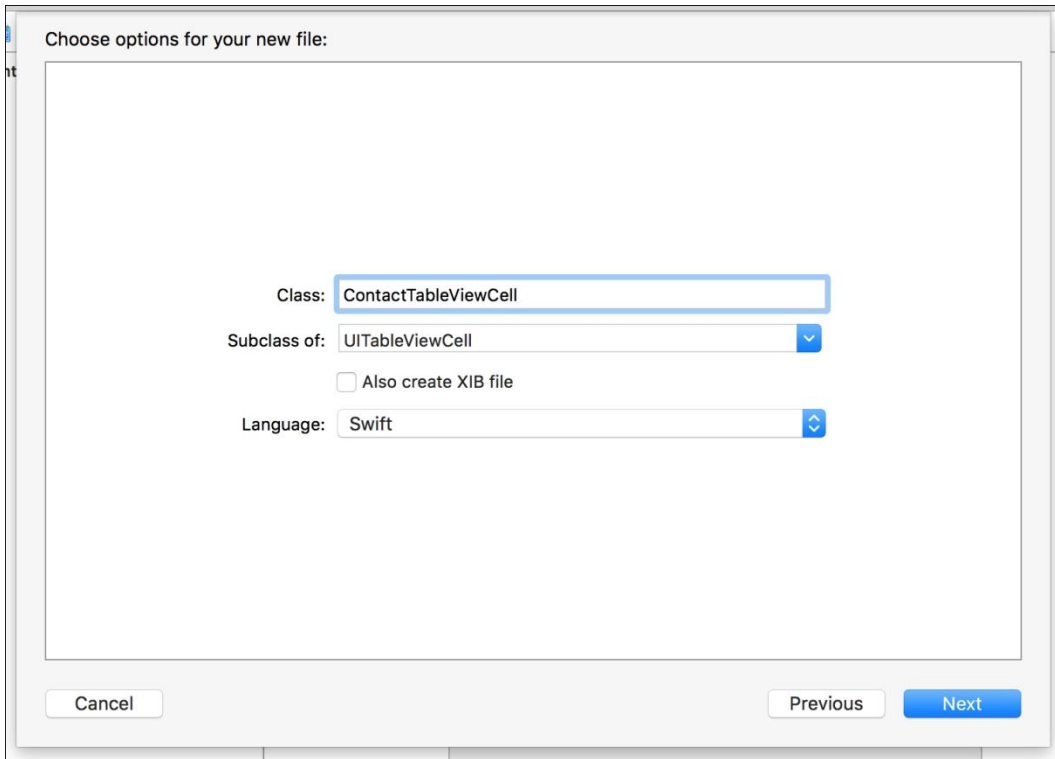
Use Core Data

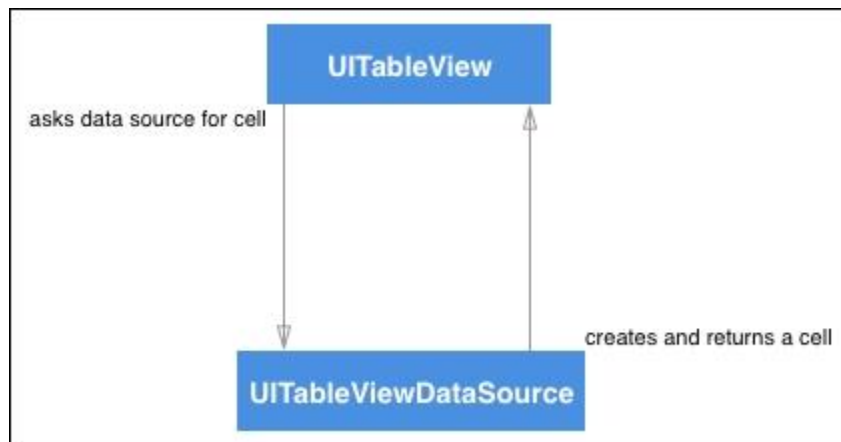
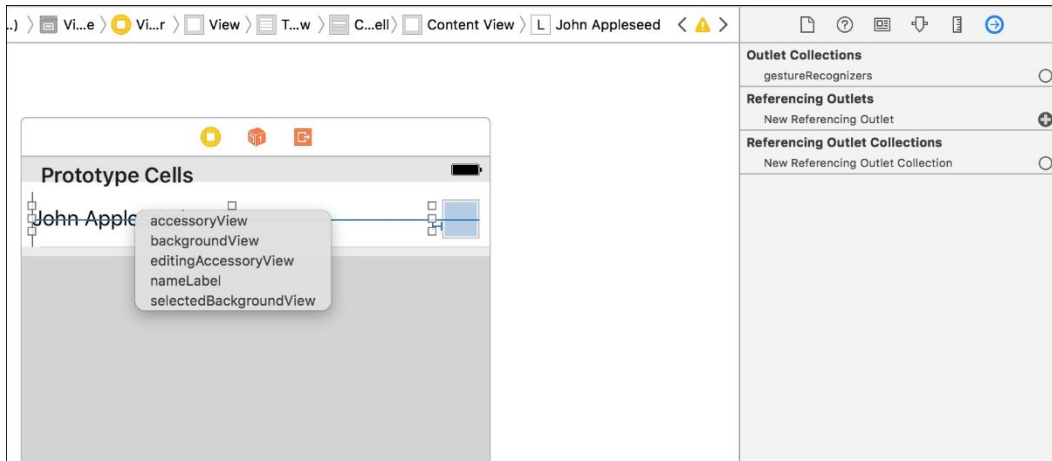
Include Unit Tests

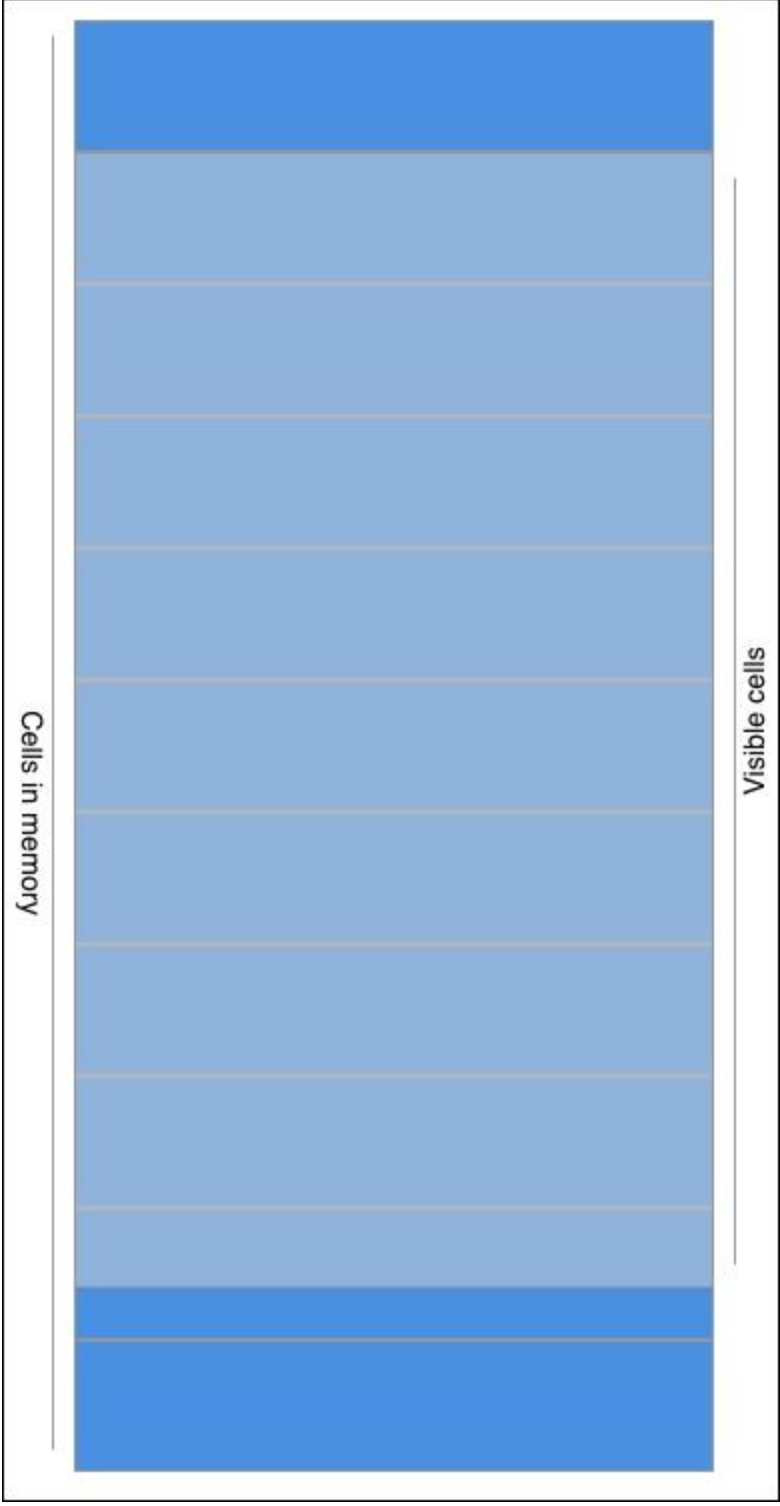
Include UI Tests



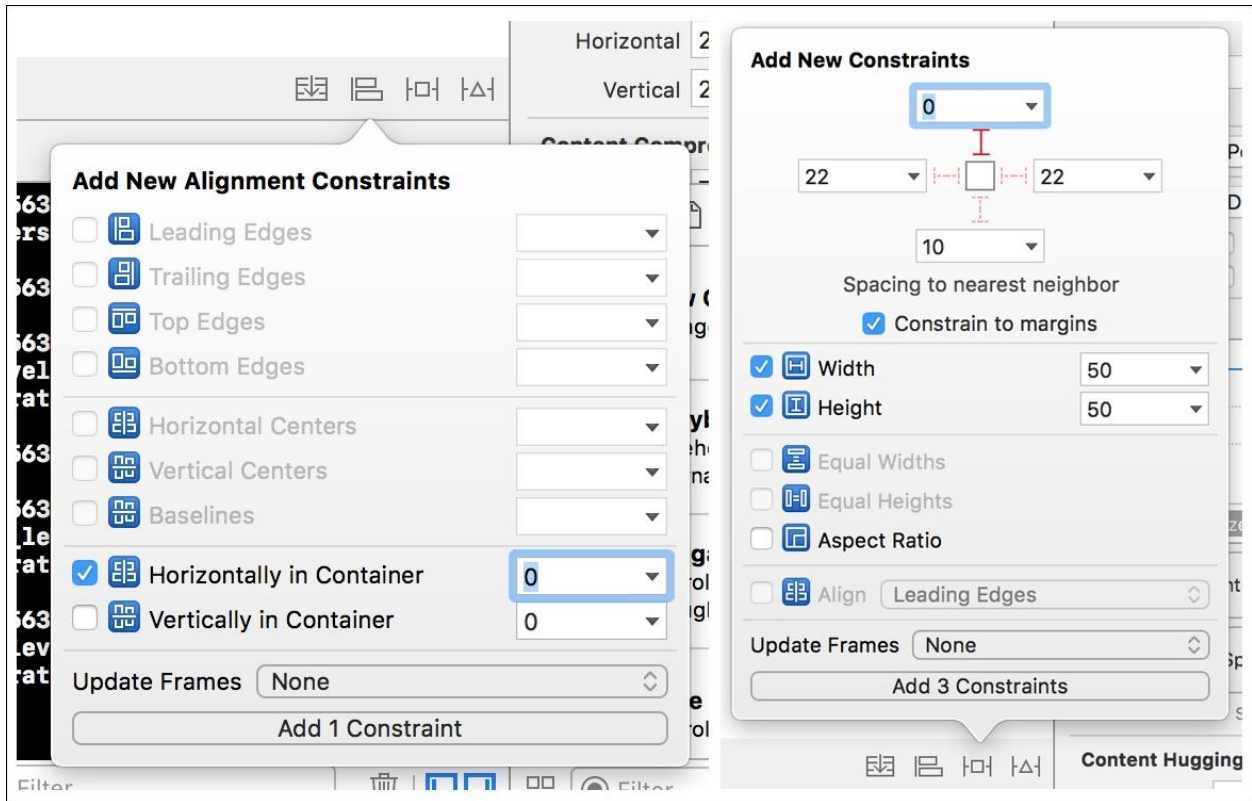
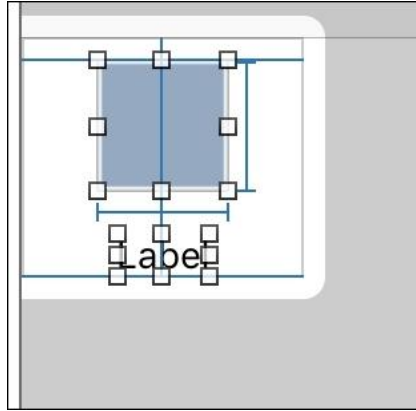








Chapter 2: A Better Layout with UICollectionView





name goes here



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name goes here



name goes here



name goes here



name goes here



name goes here



name goes here



name goes here













name goes here













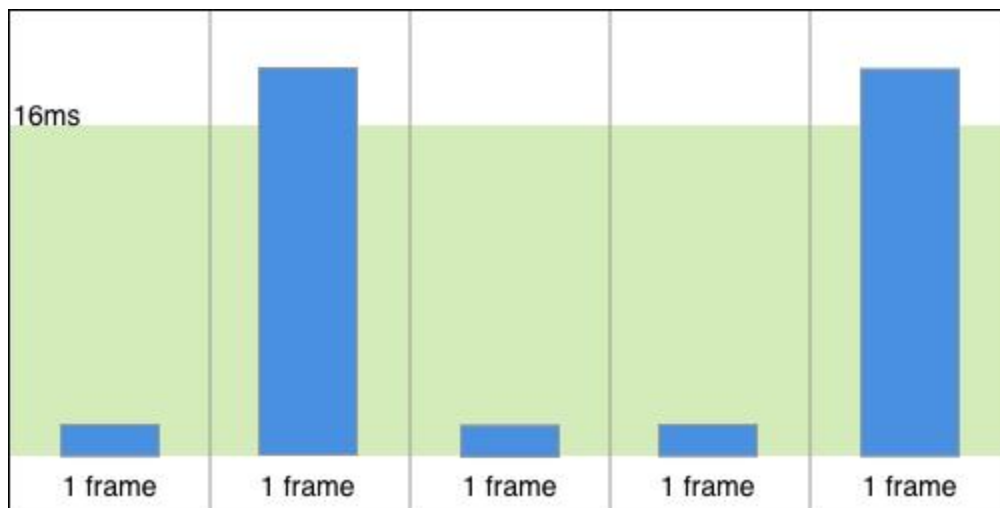
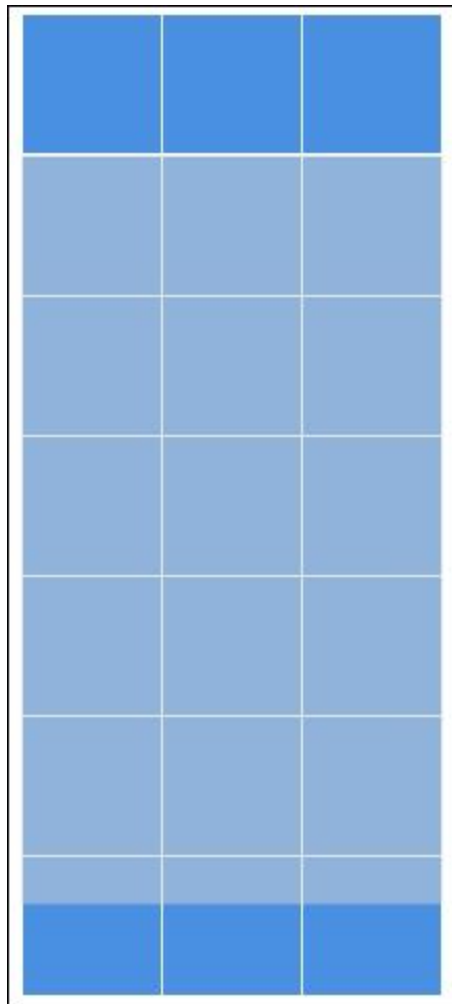
name goes here

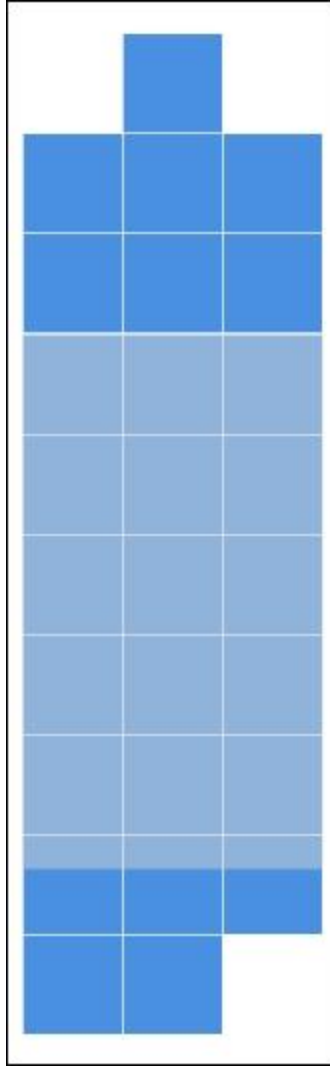
old bounds

 name here	 name here
 name here	 name here
 name here	 name here
 name here	 name here
 name here	 name here

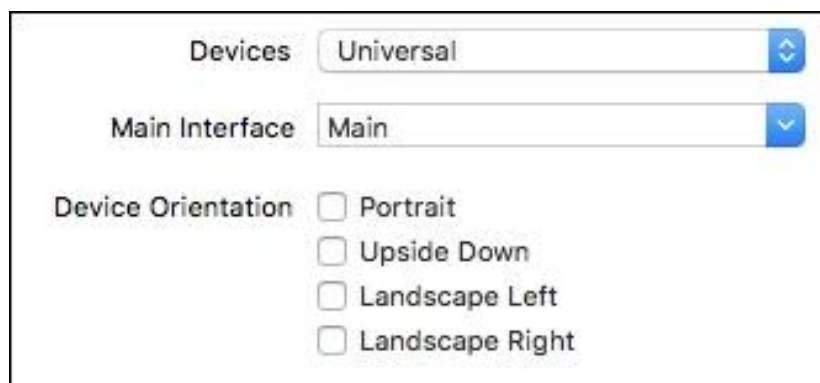
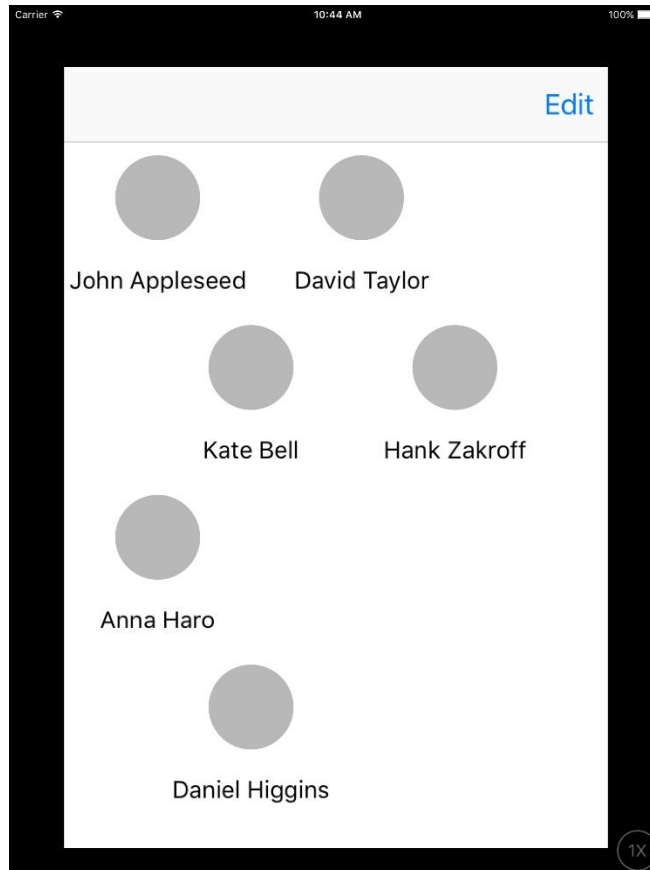
new bounds

 name here	 name here	
 name here	 name here	
 name here	 name here	
 name here	 name here	
 name here	 name here	

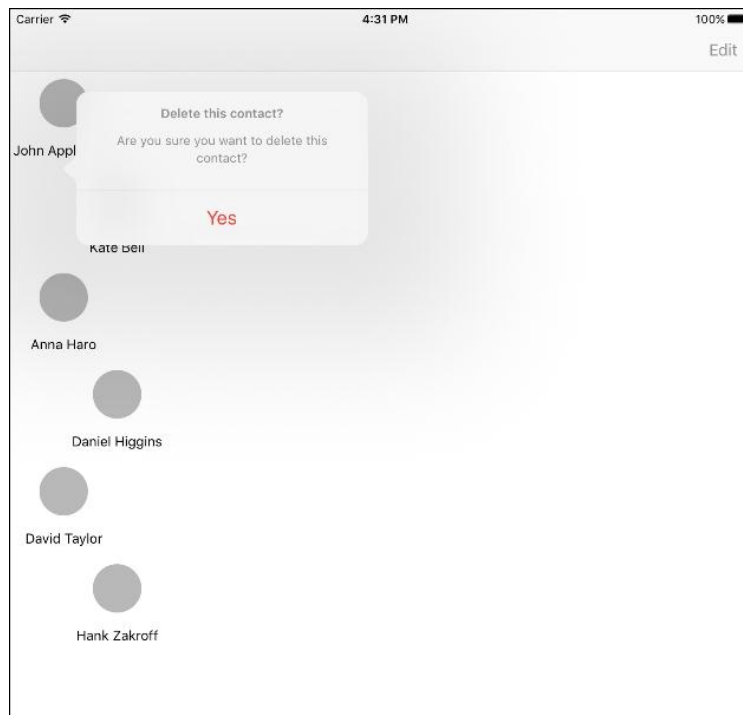




Chapter 3: Creating a Contact Detail Page



▼ Supported interface orientations (i... ⌵	Array	(3 items)
Item 0	String	Landscape (left home button)
Item 1	String	Landscape (right home button)
Item 2	String	Portrait (bottom home button)
▼ Supported interface orientations (i... ⌵	Array	(4 items)
Item 0	String	Landscape (right home button)
Item 1	String	Landscape (left home button)
Item 2	String	Portrait (bottom home button)
Item 3	String	Portrait (top home button)





Contact Name

notes

phone number

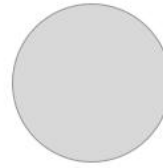
+31 6 12 34 56 78 90

email

+31 6 12 34 56 78 90

address

+31 6 12 34 56 78 90



Contact Name

phone number

+31 6 12 34 56 78 90

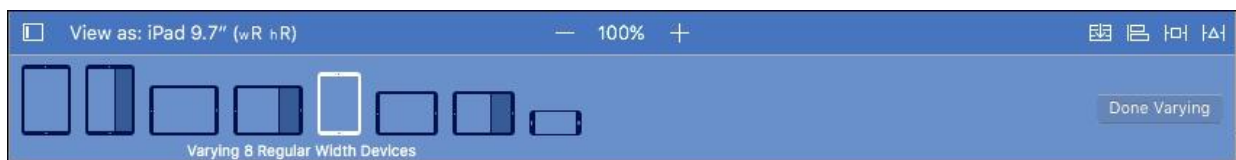
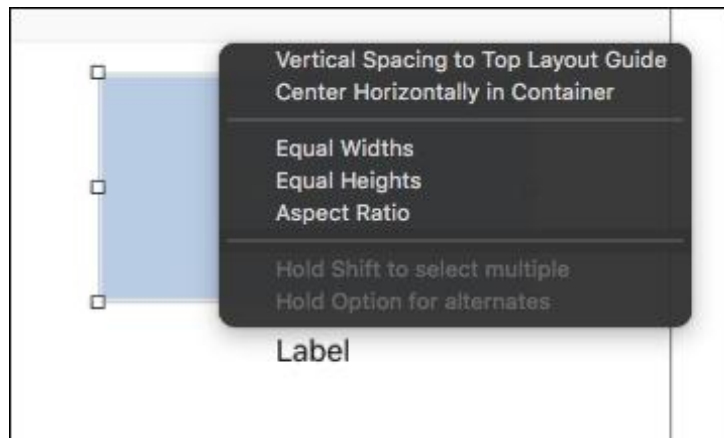
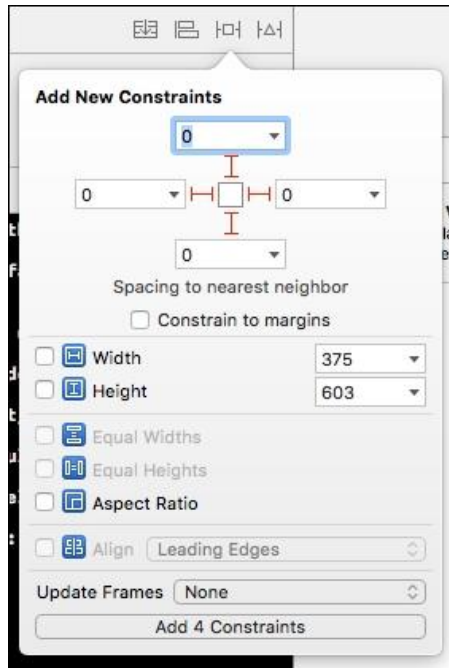
email

+31 6 12 34 56 78 90

address

+31 6 12 34 56 78 90

notes





Contact Name

phone number

+31 6 12 34 56 78 90

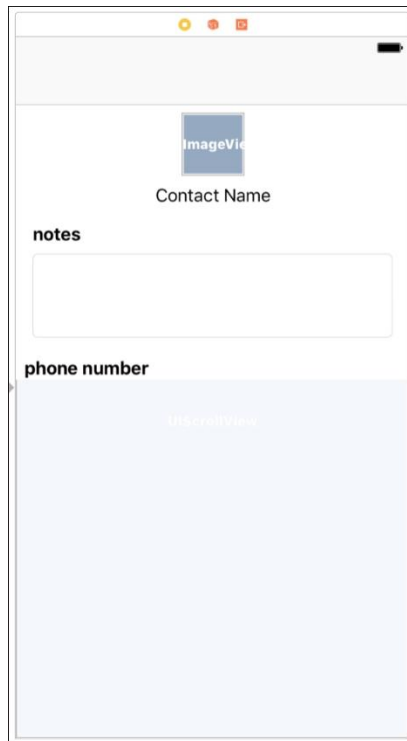
email

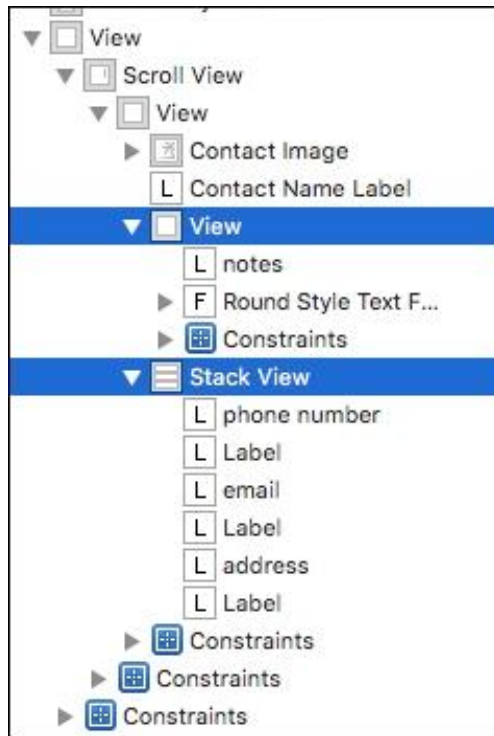
+31 6 12 34 56 78 90

address

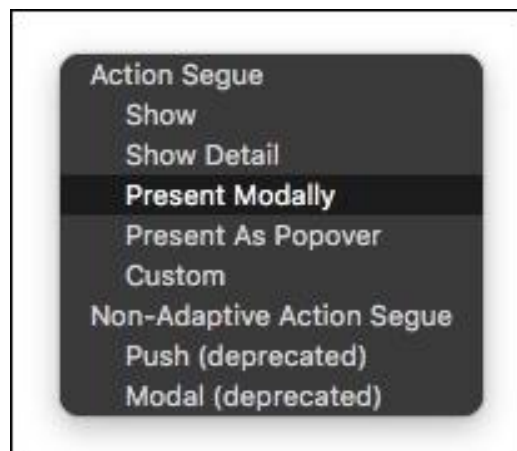
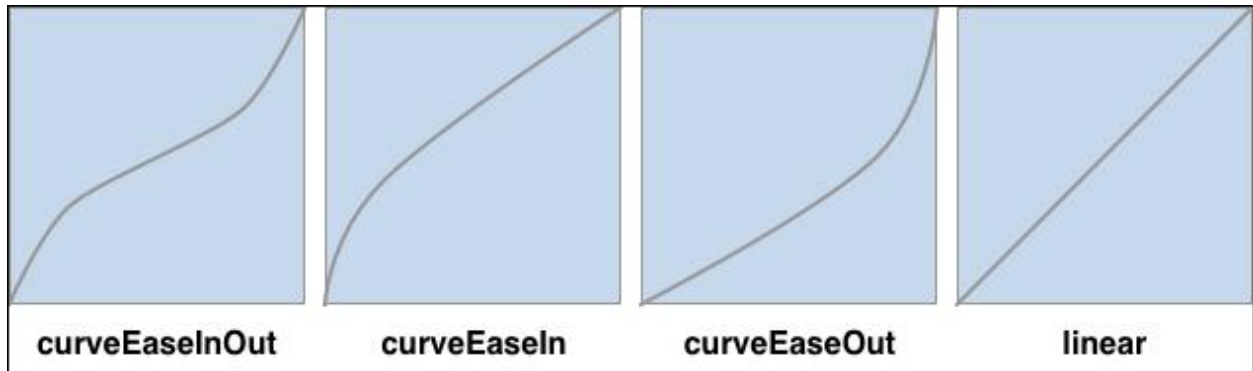
+31 6 12 34 56 78 90

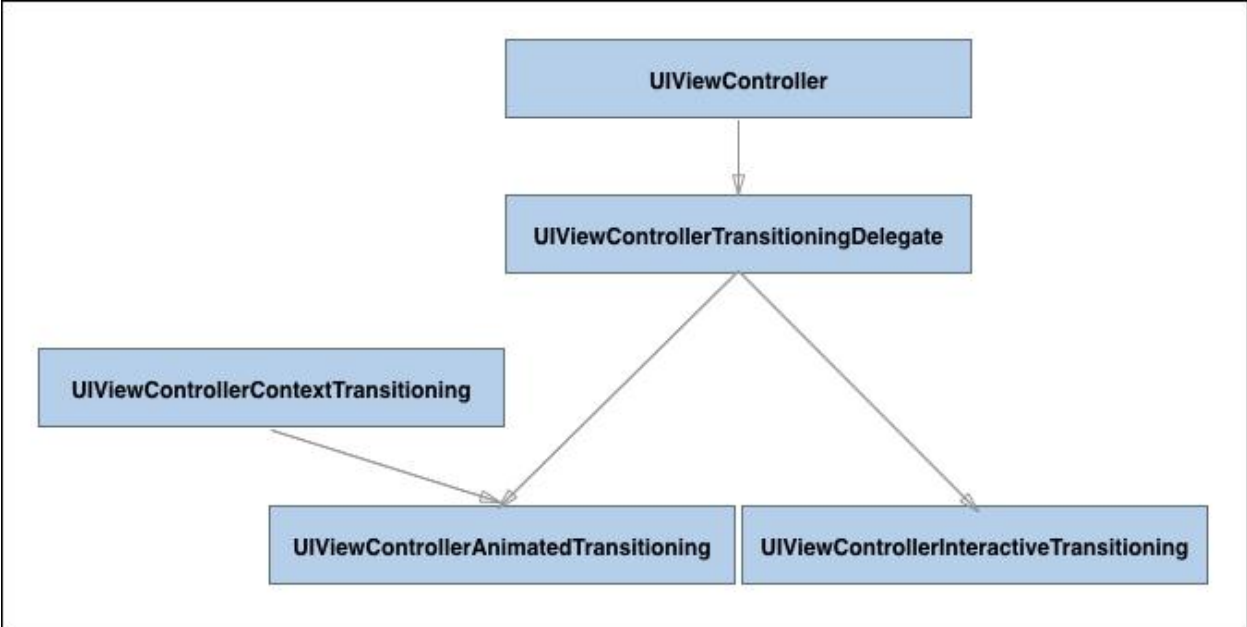
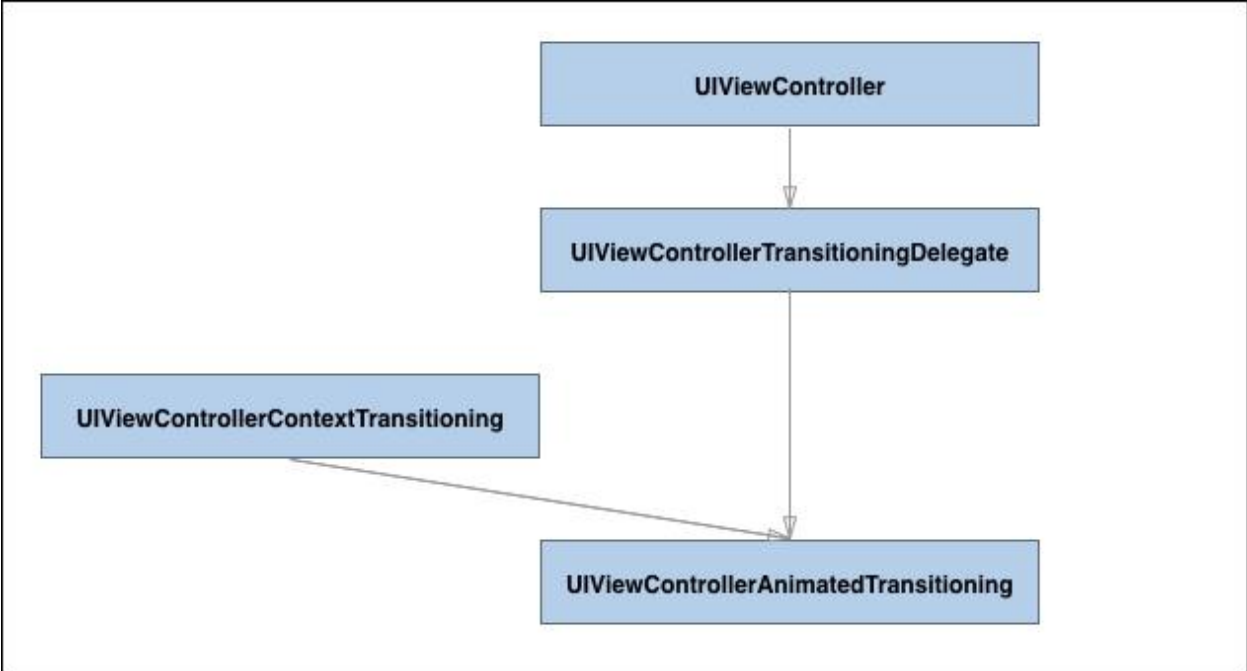
notes

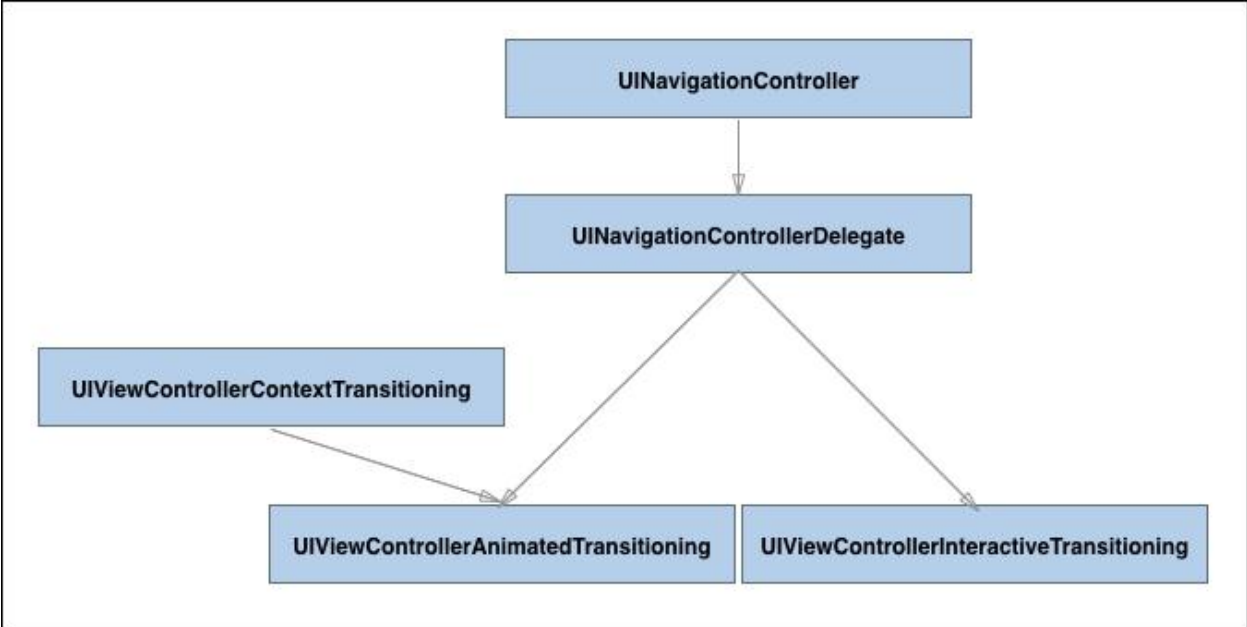




Chapter 4: Immersing Your Users With Animation



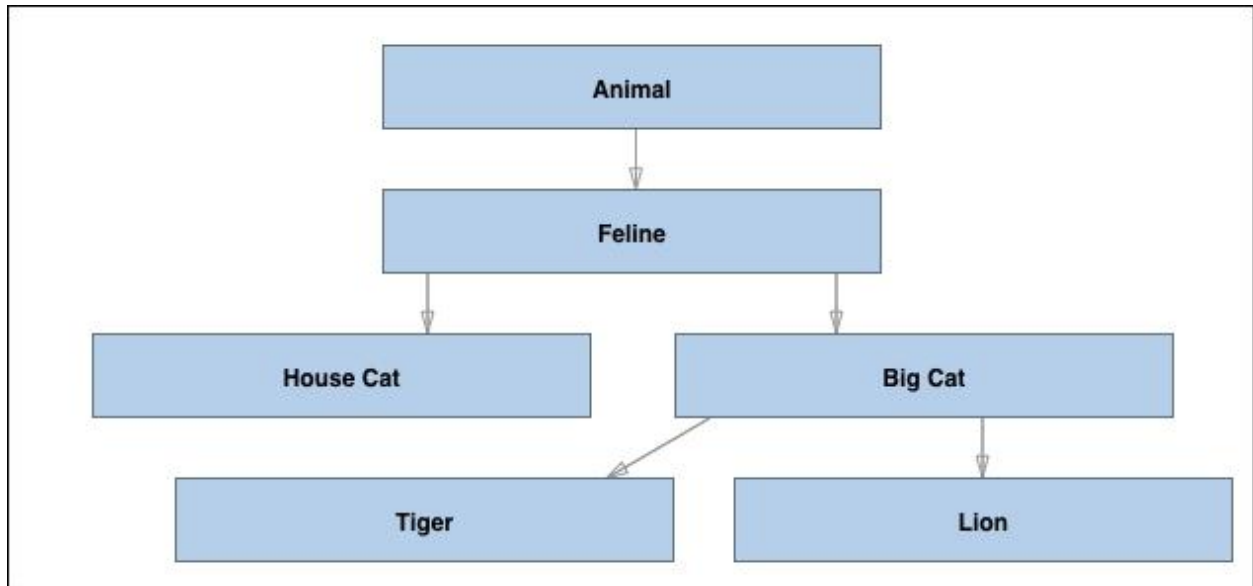




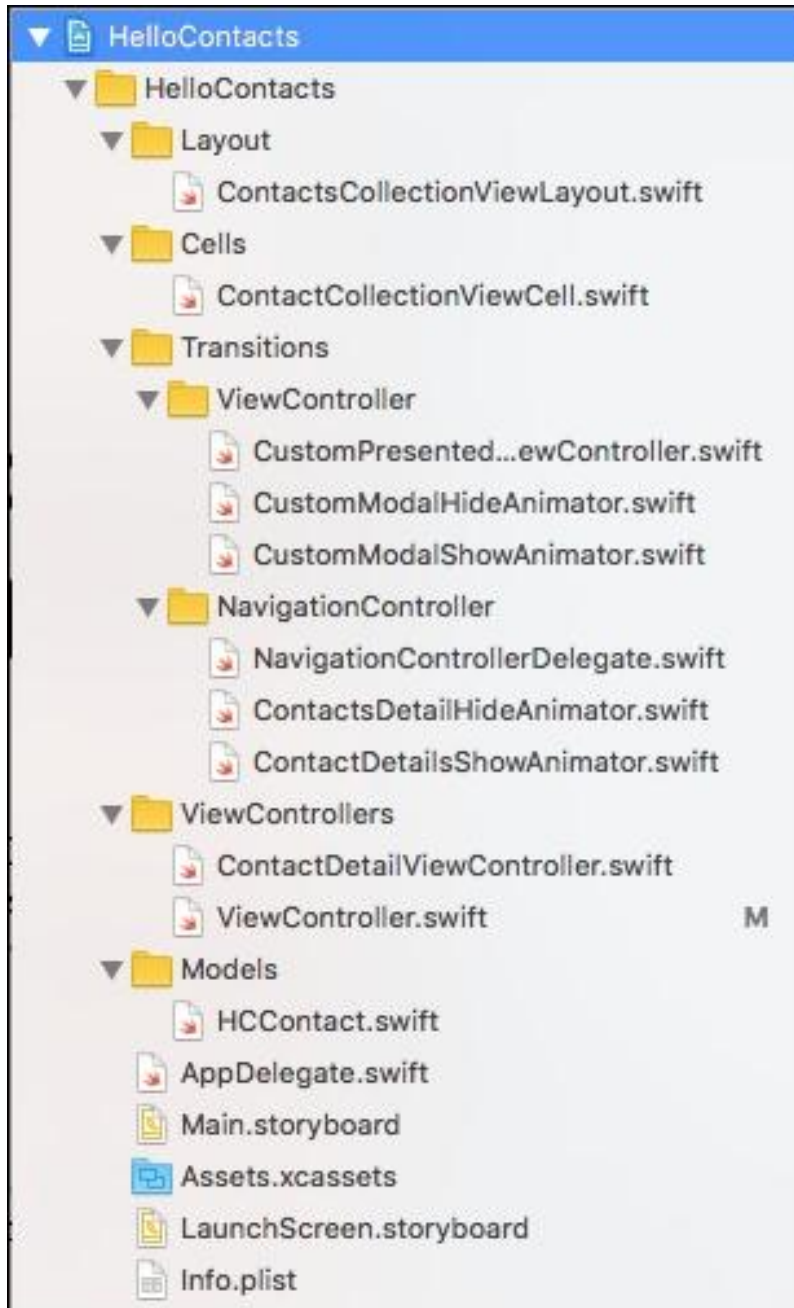
Chapter 5: Improving Your Code with Value Types

No images

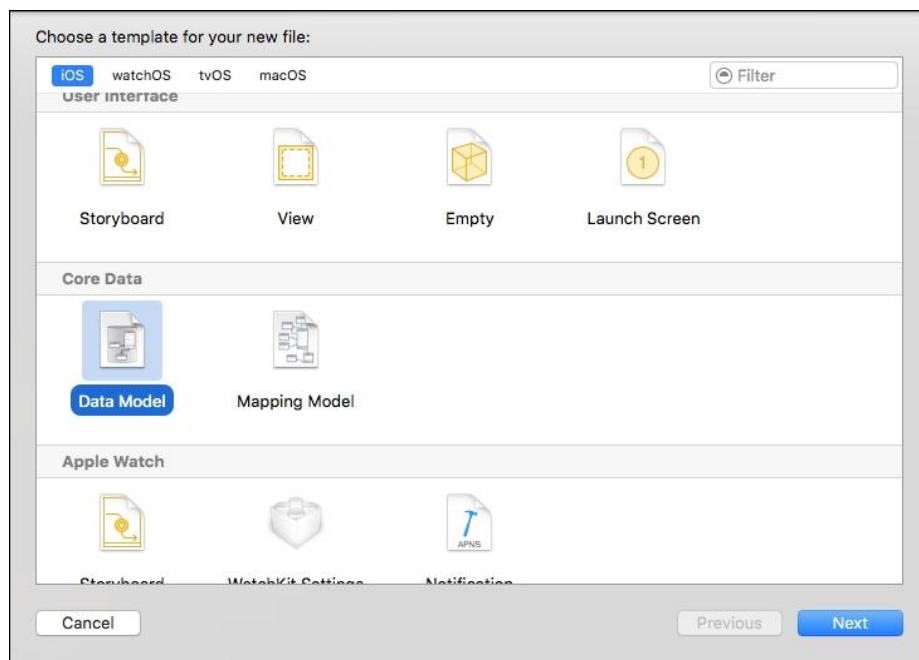
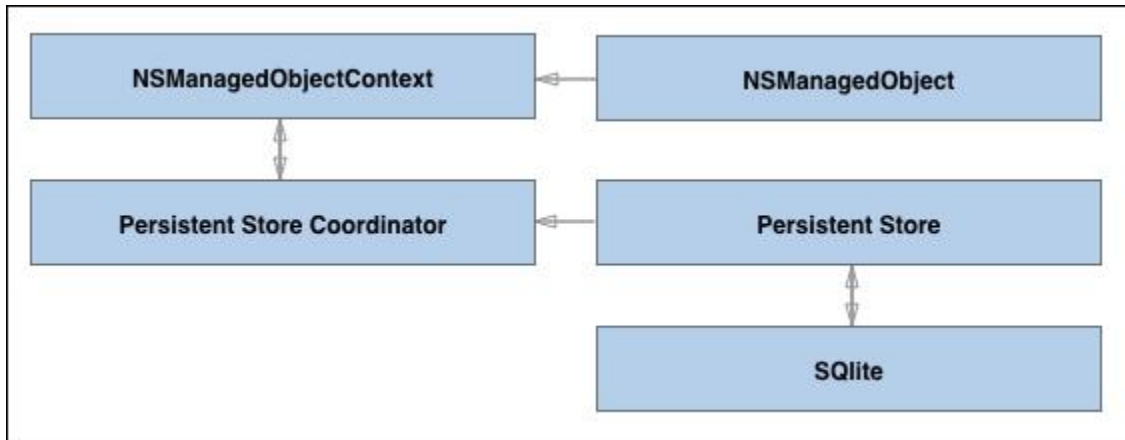
Chapter 6: Avoiding Complex Inheritance with Protocols



Chapter 7: Refactoring the HelloContacts Application



Chapter 8: Adding Core Data to your App



Attribute

Name

Properties Transient Optional
 Indexed

Attribute Type

Validation Min Length
 Max Length

Default Value

Reg. Ex.

Advanced Index in Spotlight
 Store in External Record File

Attributes		Relationship	
Attribute ^	Type	Name	Properties
S name	String	favoriteMovies	<input type="checkbox"/> Transient <input checked="" type="checkbox"/> Optional
+ -		Destination	Movie
		Inverse	familyMember
		Delete Rule	Cascade
		Type	To Many
		Arrangement	<input type="checkbox"/> Ordered
		Count	<input type="text" value="Unbounded"/> <input type="checkbox"/> Minimum
			<input type="text" value="Unbounded"/> <input type="checkbox"/> Maximum
		Advanced	<input type="checkbox"/> Index in Spotlight
			<input type="checkbox"/> Store in External Record File

Relationships		
Relationship	Destination ^	Inverse
M favoriteMovies	Movie	familyMember

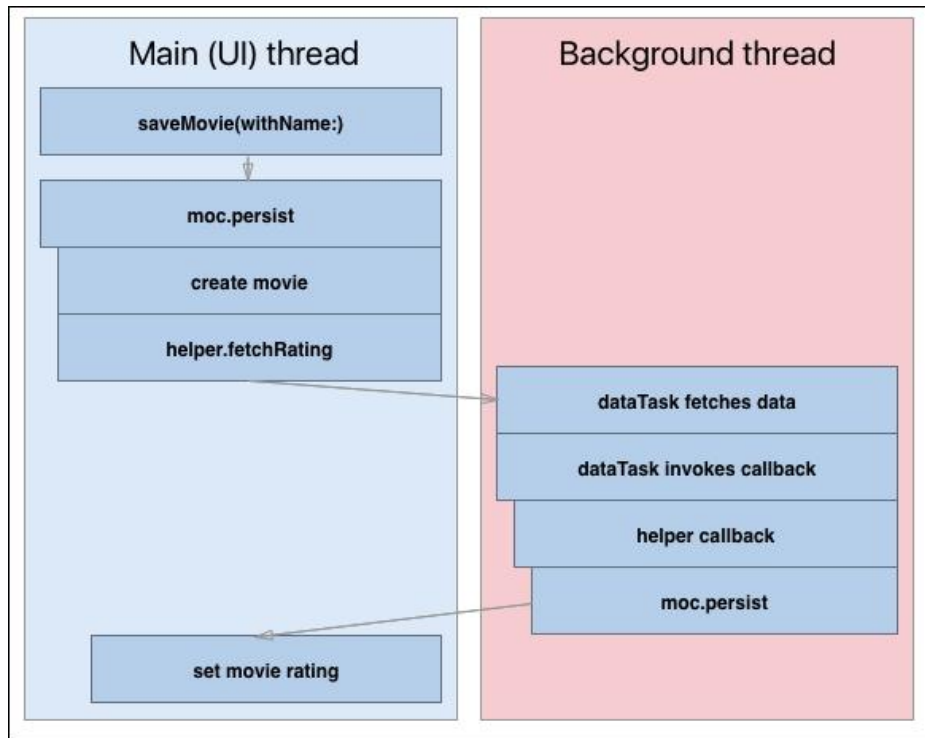
Chapter 9: Storing and Querying Data in Core Data

No images

Chapter 10: Fetching and Displaying Data from the Network


Attributes		Attribute	
Attribute	Type	Name	Properties
N popularity	Double	popularity	<input type="checkbox"/> Transient <input checked="" type="checkbox"/> Optional
S name	String		<input type="checkbox"/> Indexed

Attribute Type	Double
Validation	<input type="checkbox"/> No Value <input type="checkbox"/> Minimum <input type="checkbox"/> Maximum



▼ App Transport Security Settings	▲	Dictionary	(1 item)
▼ Exception Domains	▲	Dictionary	(1 item)
▼ themoviedb.org	▲	Dictionary	(2 items)
NSIncludesSubdomains		Boolean	YES
NSTemporaryExceptionAllow...		Boolean	YES

Chapter 11: Being Proactive with Background Fetch

▼  **Background Modes** OFF

Modes:

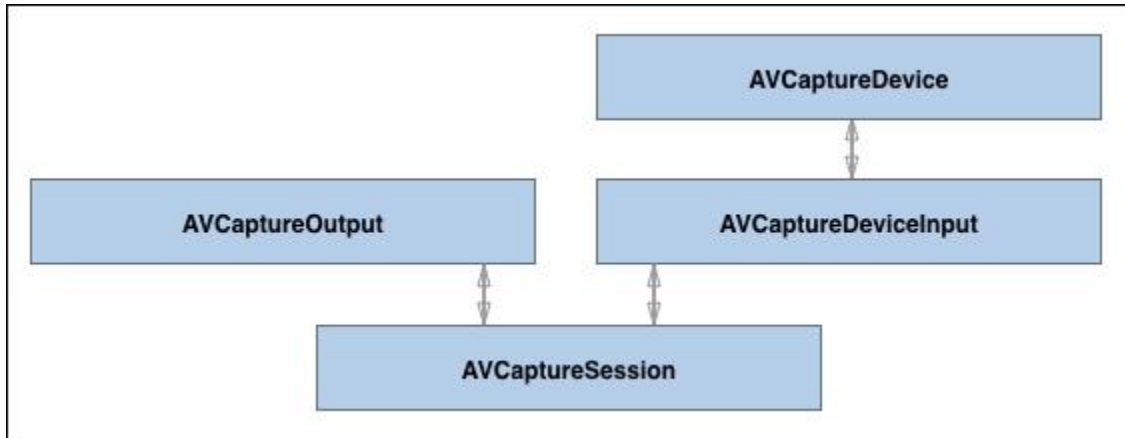
- Audio, AirPlay and Picture in Picture
- Location updates
- Voice over IP
- Newsstand downloads
- External accessory communication
- Uses Bluetooth LE accessories
- Acts as a Bluetooth LE accessory
- Background fetch
- Remote notifications

Steps: ✓ Add the Required Background Modes key to your info plist file

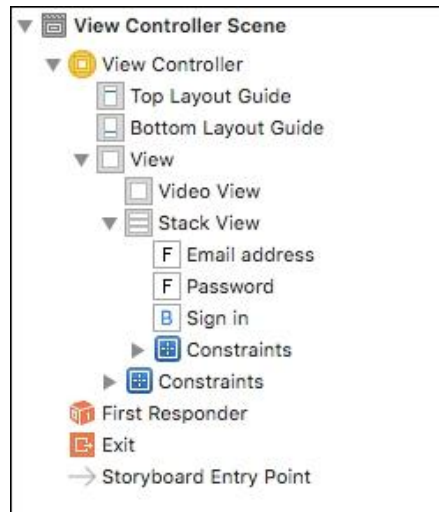
▼ Required background modes	▲	Array	(1 item)
Item 0		String	App downloads content from the network

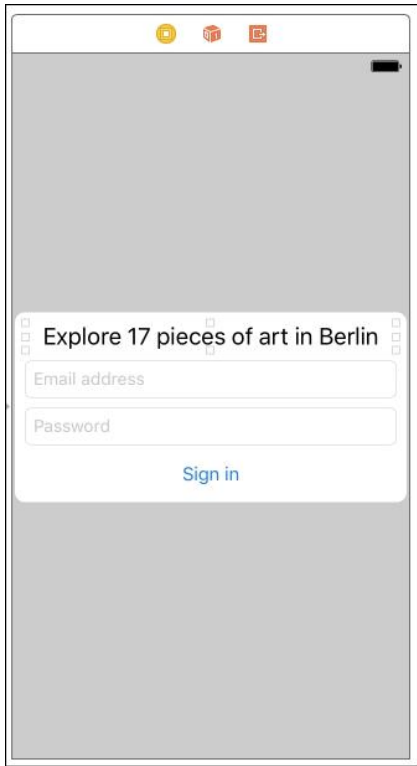
<p>▼ Attributes</p> <table border="1"><thead><tr><th>Attribute</th><th>Type</th></tr></thead><tbody><tr><td>remoteld</td><td>Integer 64</td></tr><tr><td>popularity</td><td>Double</td></tr><tr><td>name</td><td>String</td></tr></tbody></table> <p>+ -</p> <p>▼ Relationships</p> <table border="1"><thead><tr><th>Relationship</th><th>Destination</th><th>Inverse</th></tr></thead><tbody><tr><td>familyMembers</td><td>FamilyMember</td><td>favoriteMovies</td></tr></tbody></table>	Attribute	Type	remoteld	Integer 64	popularity	Double	name	String	Relationship	Destination	Inverse	familyMembers	FamilyMember	favoriteMovies	<p>Relationship</p> <p>Name: familyMembers</p> <p>Properties: <input type="checkbox"/> Transient <input checked="" type="checkbox"/> Optional</p> <p>Destination: FamilyMember</p> <p>Inverse: favoriteMovies</p> <p>Delete Rule: Nullify</p> <p>Type: To Many</p> <p>Arrangement: <input type="checkbox"/> Ordered</p> <p>Count: Unbounded <input type="checkbox"/> Minimum Unbounded <input type="checkbox"/> Maximum</p> <p>Advanced: <input type="checkbox"/> Index in Spotlight <input type="checkbox"/> Store in External Record File</p>
Attribute	Type														
remoteld	Integer 64														
popularity	Double														
name	String														
Relationship	Destination	Inverse													
familyMembers	FamilyMember	favoriteMovies													

Chapter 12: Enriching Apps with the Camera, Motion and Location

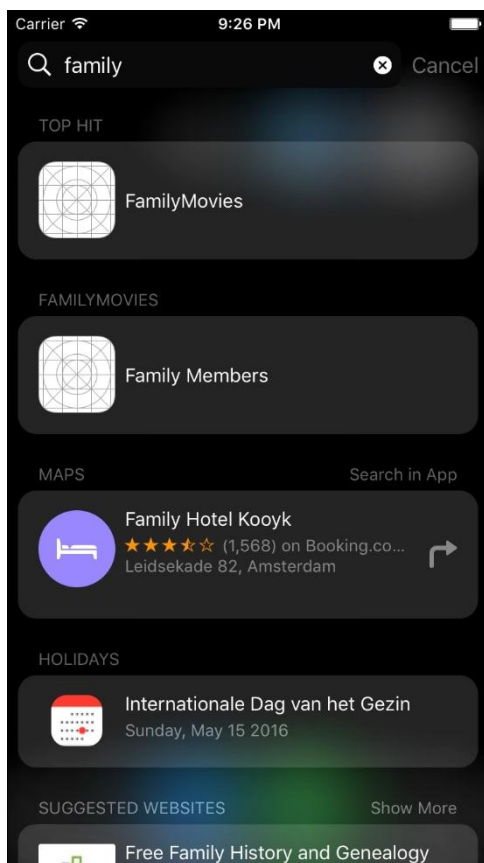


Information Property List	Dictionary	(14 items)
Privacy - Camera Usage Description	String	Provides a live camera view on the login page





Chapter 13: Displaying Contents of your App in Spotlight



Chapter 14: Making the Web and your App Meet through Universal Links


WWDC
Apple
GEÏNSTALLEERD
OPEN

WWDC16


```

print("Hello, WWDC!")
Hello love at first swipe.
Hello other side of the road.
Hello yogi on my wrist.
Hello driver, fast as you can.
Hello workout in my living room.
Hello every pitch, every highlight.
Hello self-combusting selfies.
Hello double tap heart.
Hello rain in five minutes.
Hello 6 seconds of fame.
Hello big idea.

```

```
/* San Francisco, June 13-17. */
```

learnMore()

▼  **Associated Domains**

Domains:

+ -

- Steps: Add the Associated Domains entitlement to your entitlements file
 Add the Associated Domains feature to your App ID.

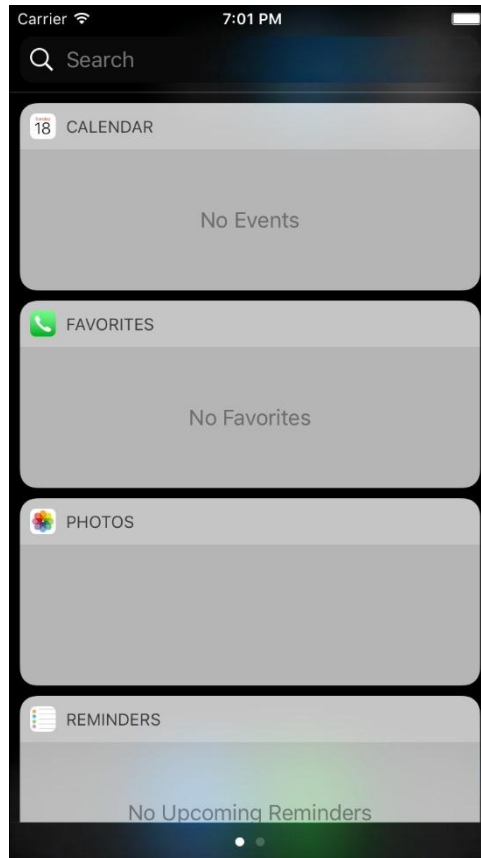
▼  **Associated Domains**

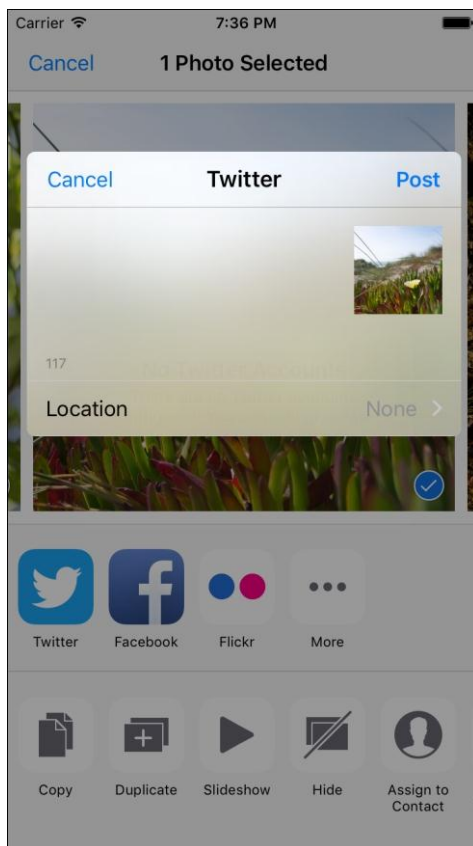
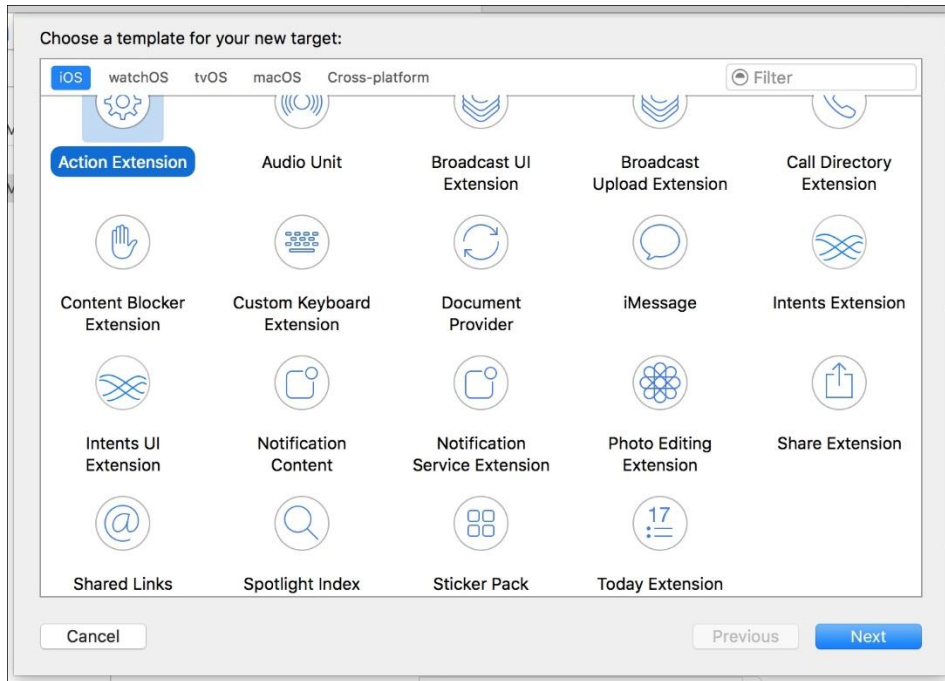
Domains:

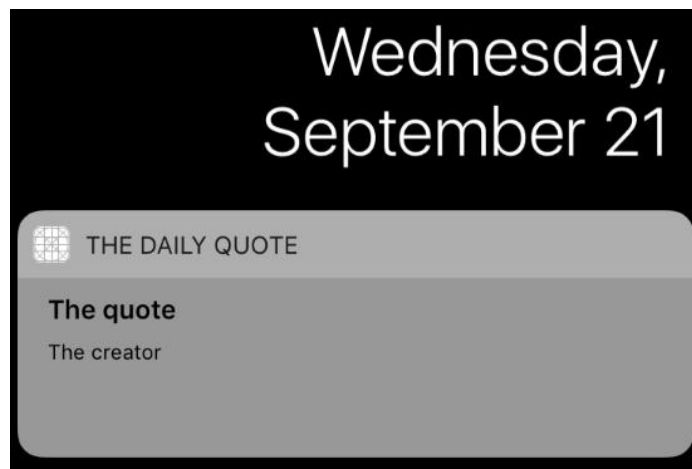
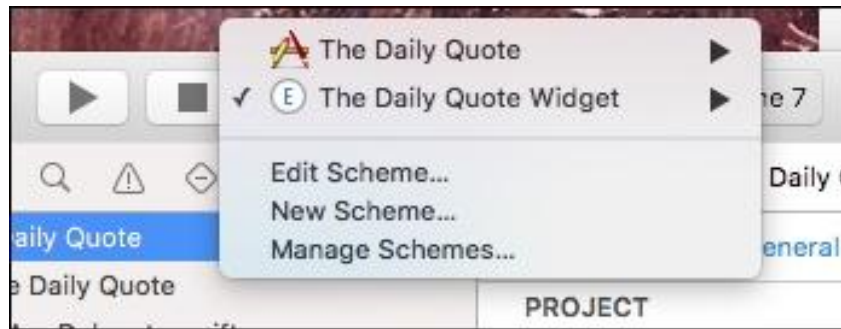
+ -

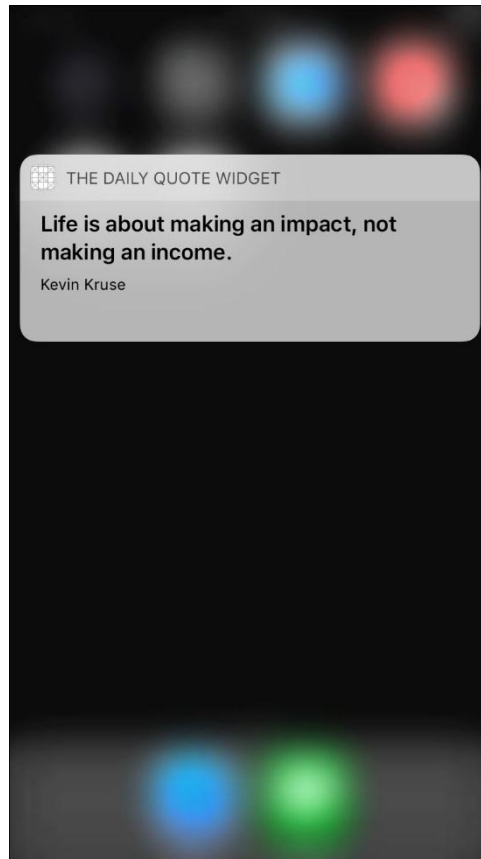
- Steps: Add the Associated Domains entitlement to your entitlements file
 Add the Associated Domains feature to your App ID.


Chapter 15: Instant Information with a Notification Center Widget











▼  **App Groups**

App Groups: group.donnywals.quotetoday

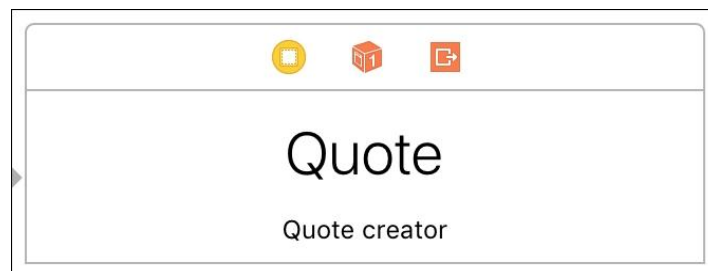
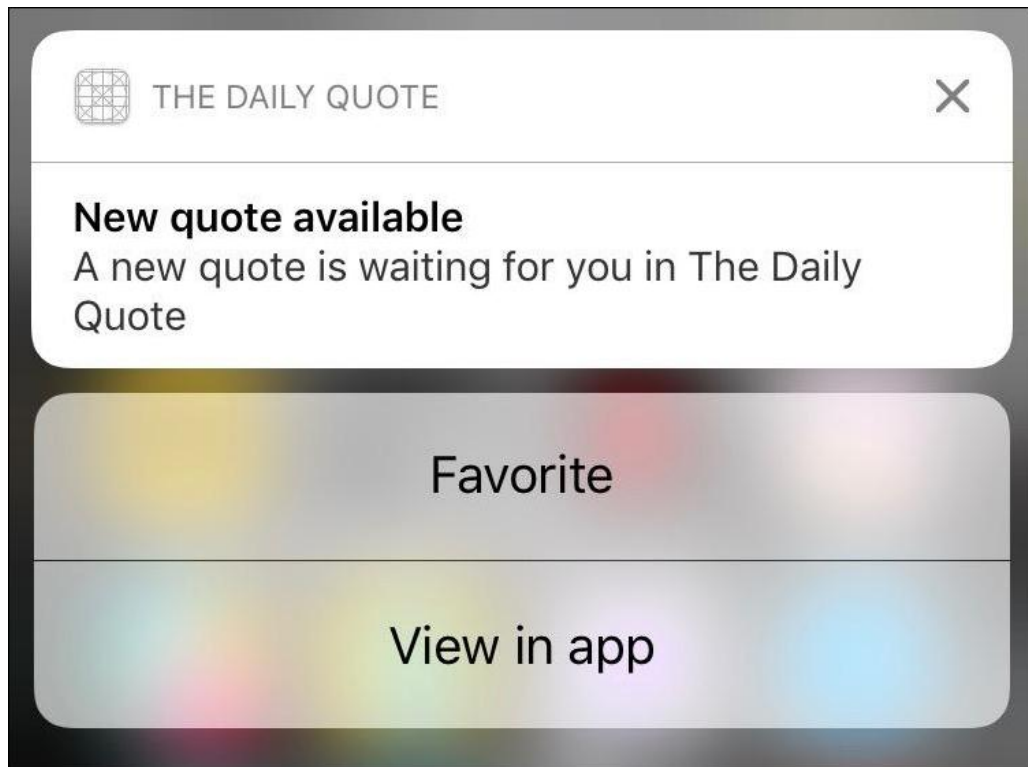
 

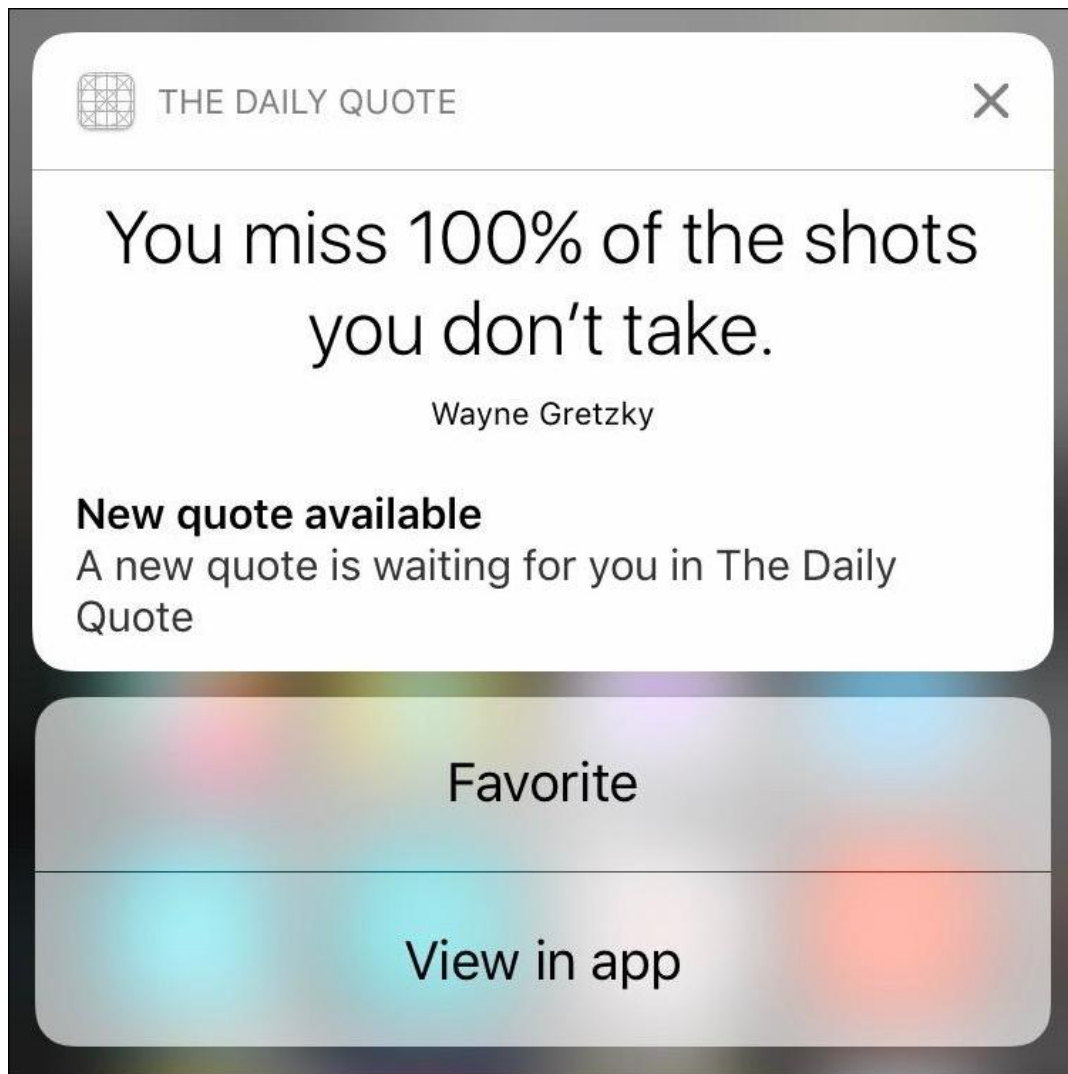
Steps: ✓ Add the App Groups entitlement to your entitlements file
✓ Add the App Groups feature to your App ID.
✓ Add App Groups to your App ID

Chapter 16: Implementing Rich Notifications

Enable notifications to receive a daily notification containing the latest quote

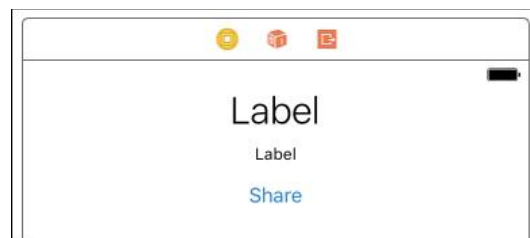
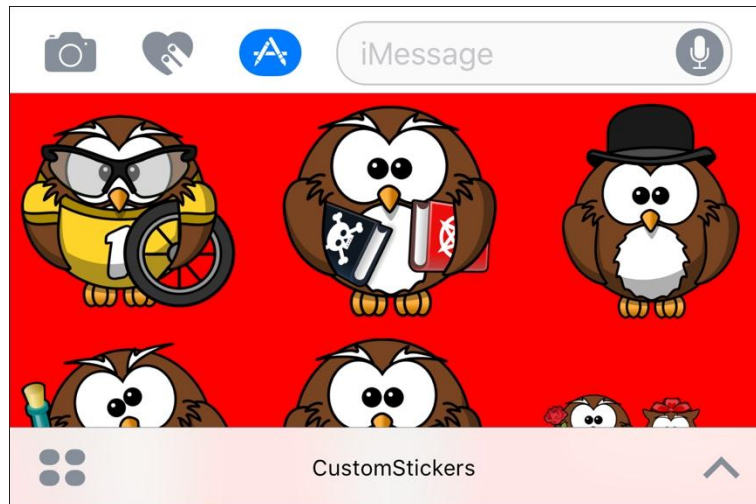
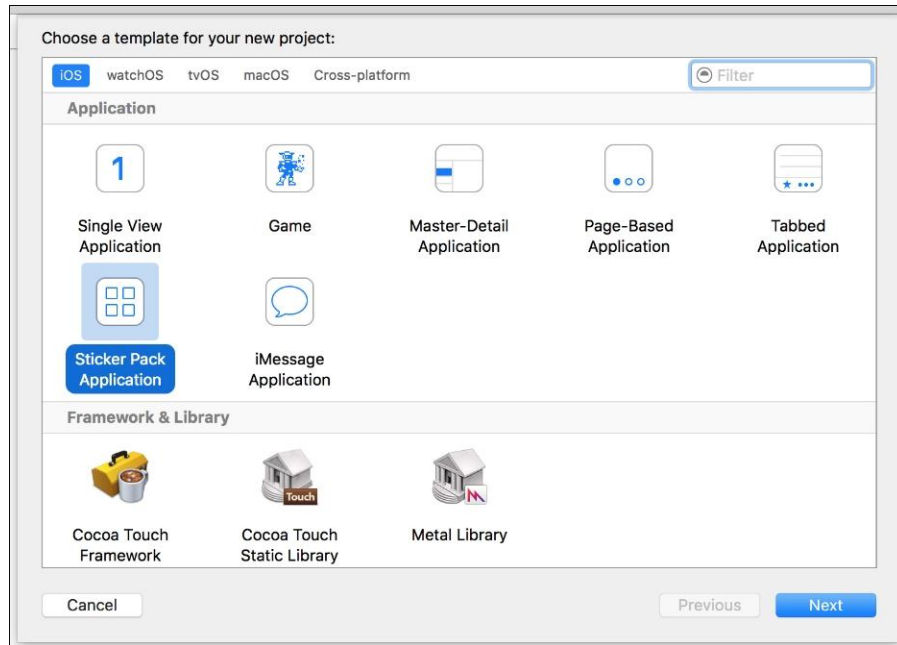
[Enable notifications](#)








▼ NSExtension	◇	Dictionary	(3 items)
▼ NSExtensionAttributes		Dictionary	(3 items)
UNNotificationExtensionDefaultContentHidden		Boolean	YES
UNNotificationExtensionCategory		String	quote
UNNotificationExtensionInitialContentSizeRatio		Number	0.3
NSExtensionMainStoryboard		String	MainInterface
NSExtensionPointIdentifier		String	com.apple.usernotifications.content-extension

Chapter 17: Extending iMessage



Custom Class Hide

Class  

Module 

Identity

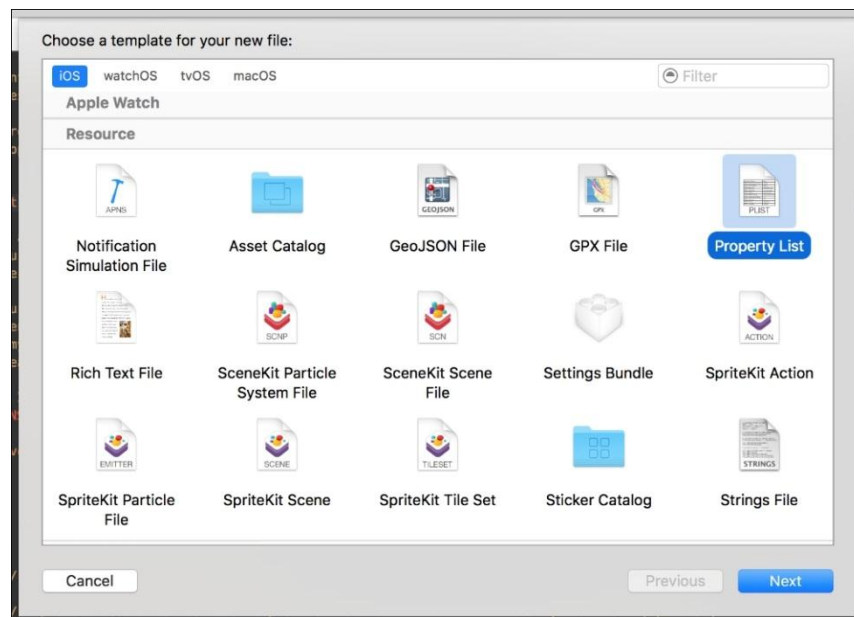
Storyboard ID

Restoration ID

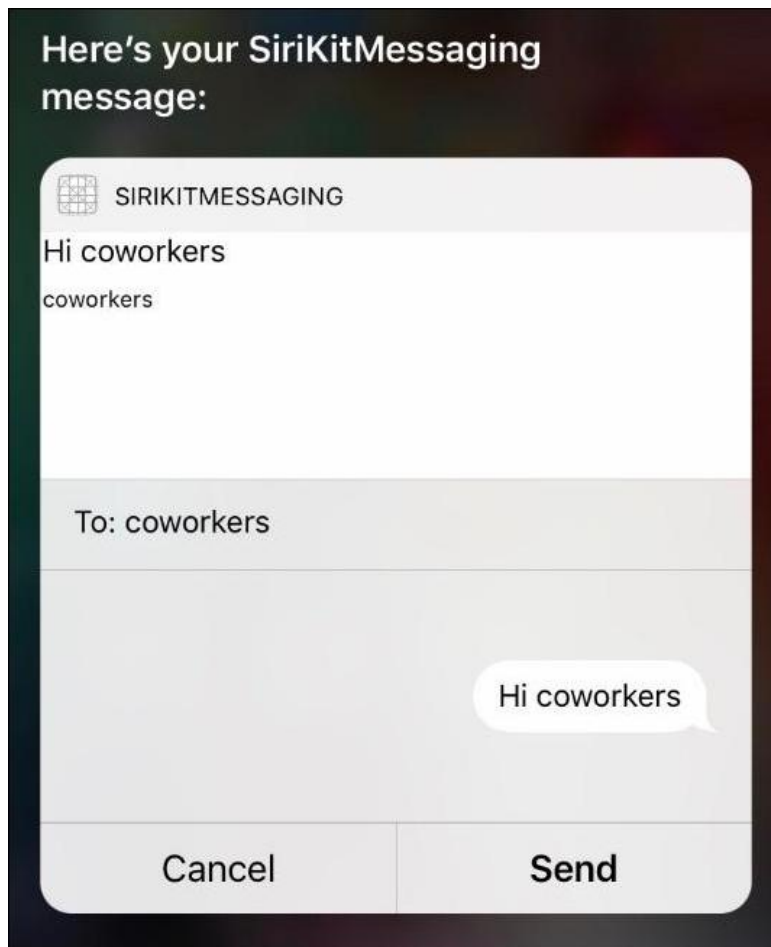
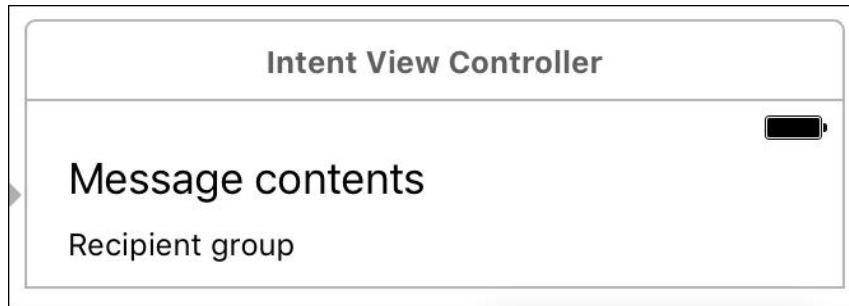
Use Storyboard ID

Chapter 18: Integrating Your App with Siri

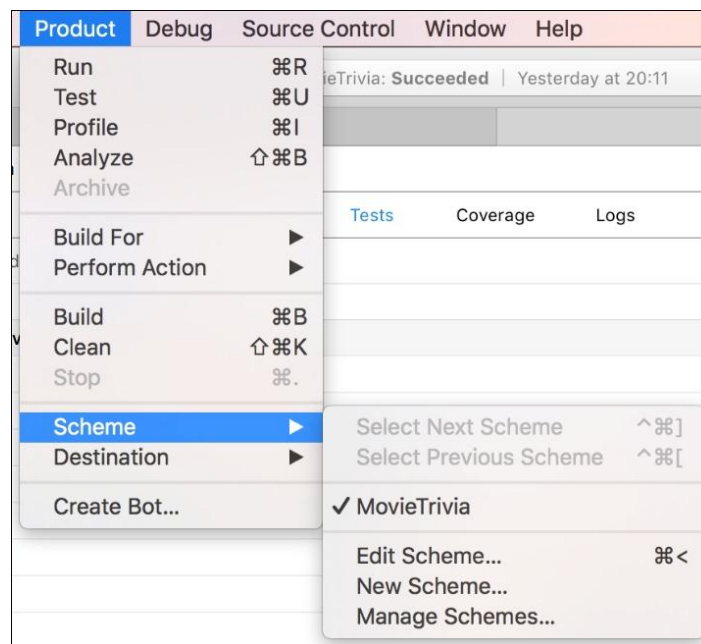
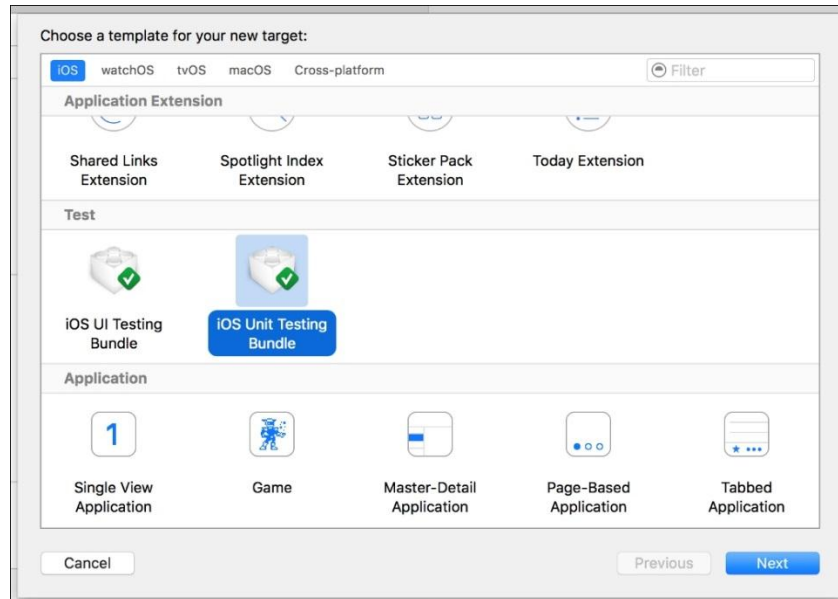
▼ NSExtension	↕	Dictionary	(3 items)
▼ NSExtensionAttributes		Dictionary	(2 items)
▼ IntentsRestrictedWhileLocked		Array	(0 items)
▼ IntentsSupported		Array	(3 items)
Item 0		String	INSendMessageIntent
Item 1		String	INSearchForMessagesIntent
Item 2		String	INSetMessageAttributeIntent



▼ App Intent Vocabulary Property List		Dictionary	(1 item)
▼ Parameter Vocabularies	↕	Array	(1 item)
▼ Item 0 (Parameter Vocabulary)		Dictionary	(2 items)
▼ Parameter Names	↕	Array	(1 item)
Item 0 (Parameter Name)		String	INStartWorkoutIntent.workoutName
▼ Parameter Vocabulary	↕	Array	(1 item)
▼ Item 0 (Parameter Vocabulary)		Dictionary	(2 items)
Vocabulary Item Identifier	↕	String	ultimate run
▼ Vocabulary Item Synonyms	↕	Array	(1 item)
▼ Item 0 (Vocabulary Item Synonym)		Dictionary	(3 items)
▼ Vocabulary Item Examples	↕	Array	(1 item)
Item 0 (Vocabulary Item Example)		String	Start an Ultimate Run with RunPotato
Vocabulary Item Phrase	↕	String	Ultimate Run
Vocabulary Item Pronunciation	↕	String	ultemit run



Chapter 19: Ensuring App Quality with Tests



The screenshot shows the Xcode interface with the **Test** menu selected. The menu options are:

- Build (2 targets)
- Run (Debug)
- Test (Debug)**
- Profile (Release)
- Analyze (Debug)
- Archive (Release)

The configuration panel on the right shows the following settings:

- Build Configuration: Debug
- Code Coverage: Gather coverage data
- Debugger: Debug executable
- Debug Process As: Me (donnywals), root

At the bottom, there are tabs for Tests, Test Application Data, and Test Location.

The screenshot shows the Test Navigator in Xcode, sorted by group. The list contains:

- MovieTrivia Today, 20:16
 - Test Today, 20:16
 - Build Today, 20:16

The screenshot shows the Test Results view for MovieTrivia.app. The test cases and their statuses are:

- AppDelegate.swift
- LoadTriviaViewController.swift
 - MovieTrivia.LoadTriviaViewController.prepare (for :
 - MovieTrivia.LoadTriviaViewController.viewDidAppe:
- Question.swift
 - MovieTrivia.Question.init (json : Swift.Dictionary<S:
- QuestionsLoader.swift
 - MovieTrivia.QuestionsLoader.loadQuestions (callba
- QuestionViewController.swift
- TriviaAPI.swift
 - MovieTrivia.TriviaAPI.loadTriviaQuestions (callback

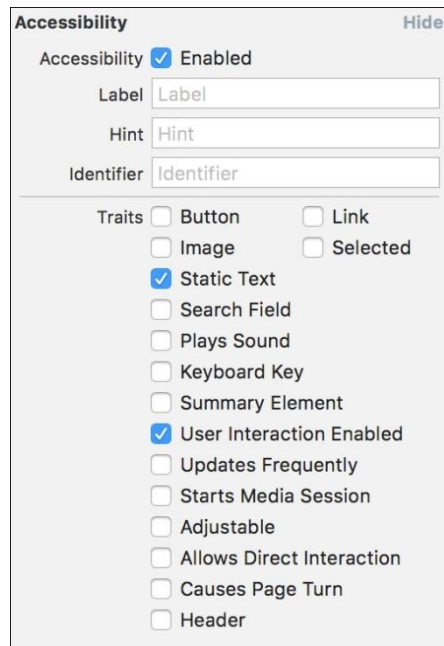
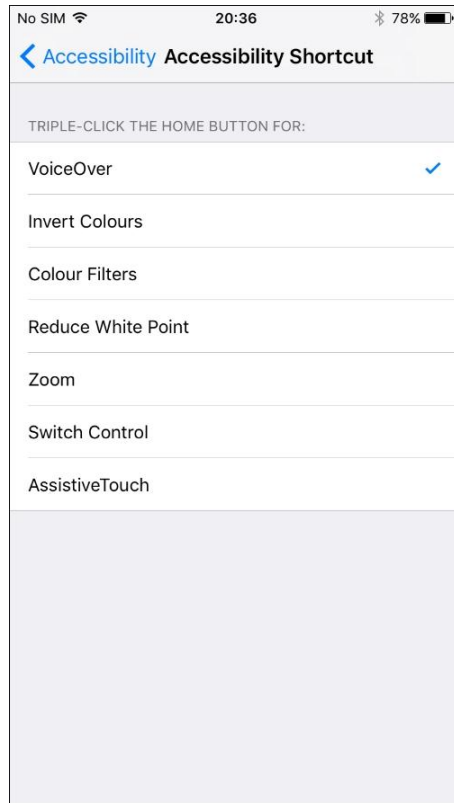
```

func loadQuestions(callback: @escaping QuestionsLoadedCallback) {
    apiProvider.loadTriviaQuestions { json in
        guard let jsonQuestions = json["questions"] as? [JSON]
        else { return }


        let questions = jsonQuestions.map { jsonQuestion in
            return Question(json: jsonQuestion)
        }.flatMap { $0 }

        callback(questions)
    }
}

```

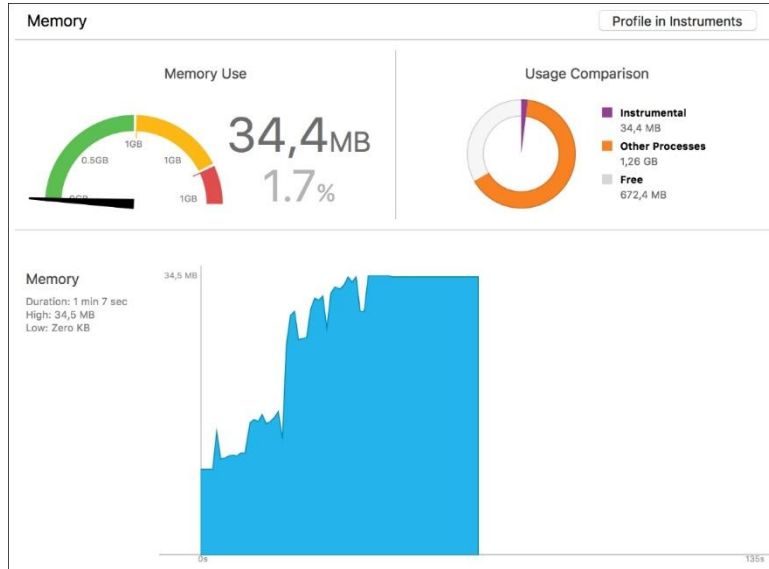


```
31 func testExamplo
32 // Use reco
33 // Use XCTA
```




















<p>How may oscars has leonardo dicaprio won in his career?</p>	<p>Accessibility</p> <p>Accessibility <input checked="" type="checkbox"/> Enabled</p> <p>Label <input type="text" value="Label"/></p> <p>Hint <input type="text" value="Hint"/></p> <p>Identifier <input type="text" value="QuestionTitle"/></p>
--	---

Chapter 20: Discovering Bottlenecks with Instruments



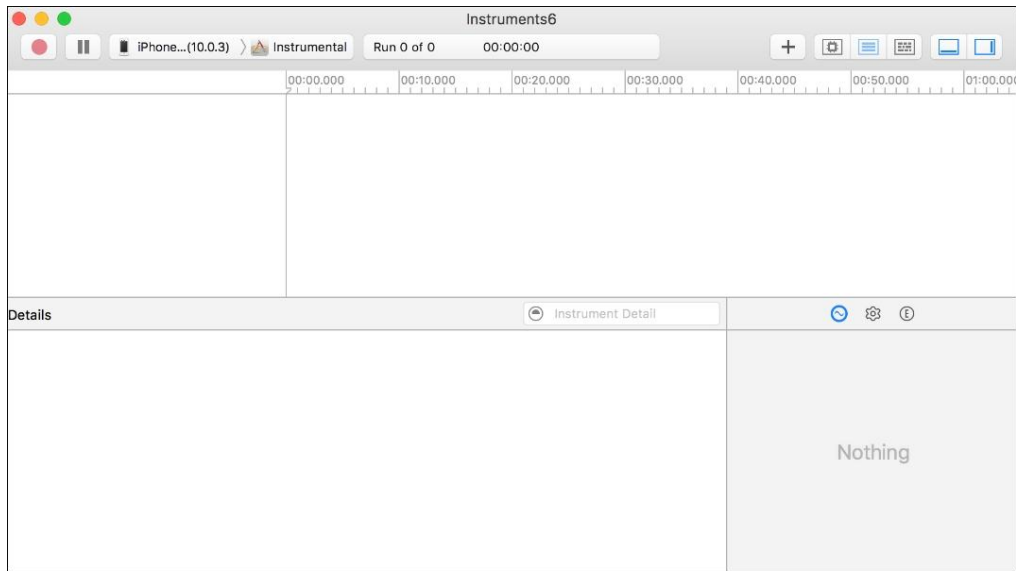
Choose a profiling template for: iPhone7 van Donny (10.0.3) > Instrumental

Standard Custom Recent Filter

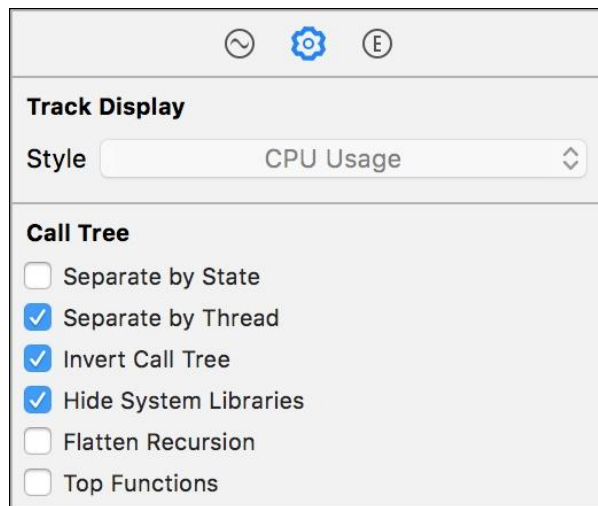
 Blank	 Activity Monitor	 Allocations	 Cocoa Layout	 Core Animation	 Core Data
 Counters	 Energy Log	 File Activity	 Leaks	 Metal System Trace	 Network
 ES	 Phone	 I/O	 Time Profiler		

Time Profiler
Performs low-overhead time-based sampling of processes running on the system's CPUs.

Cancel Choose

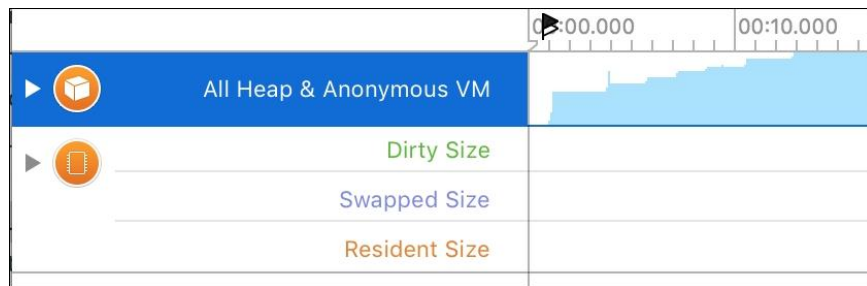


Symbol Name
▼ Instrumental (2085)
▼ Main Thread 0xa8890
▼ start libdyld.dylib
▼ main Instrumental
▼ UIApplicationMain UIKit
▼-[UIApplication _run] UIKit
▶GSEventRunModal GraphicsServices
▶CFRunLoopRunSpecific CoreFoundation
▶_UIAccessibilityInitialize UIKit
objc_msgSend libobjc.A.dylib
▶_UIApplicationMainPreparations UIKit
▼_dyld_start dyld
▶dyld::_main(macho_header const*, unsigned long, int, char const**, char const**, char const**, unsigned long*) dyld
▶dyldbootstrap::start(macho_header const*, int, char const**, long, macho_header const*, unsigned long*) dyld

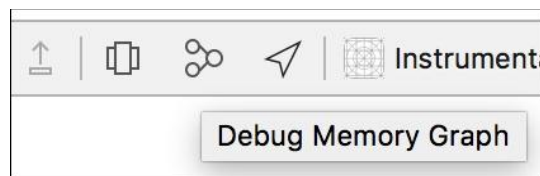


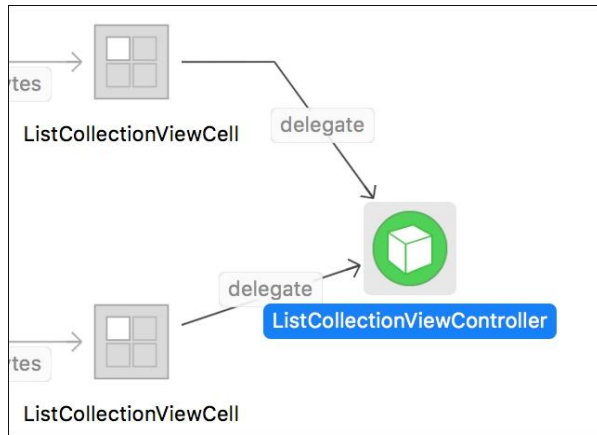
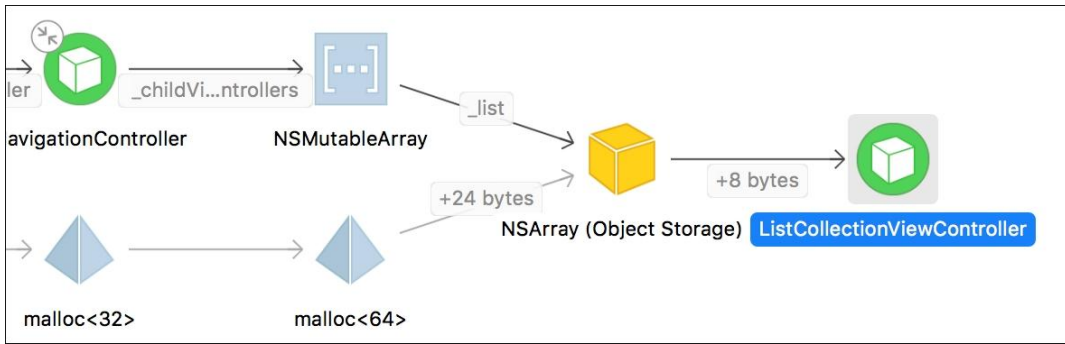
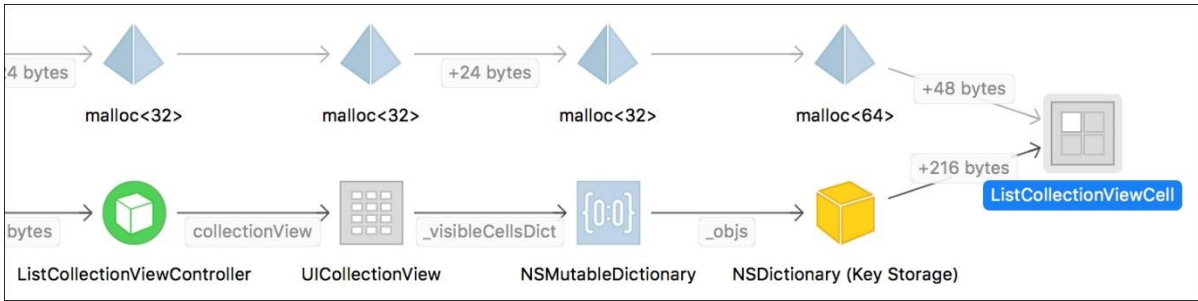
Symbol Name
▼Instrumental (2085) +
▼Main Thread 0xa8890
▶specialized _VariantDictionaryStorage.nativeUpdateValue(B, forKey : A) -> B? Instrumental
main Instrumental
▶ListCollectionViewLayout.createSizeLookup() -> () Instrumental
▶specialized _VariantDictionaryStorage.ensureUniqueNativeStorage(Int) -> (reallocated : Bool, capacityChanged : Bool) Instrumental
▶specialized ListCollectionViewController.collectionView(UICollectionViewController, cellForItemAt : IndexPath) -> UICollectionViewCell Instrumental
▶specialized _squeezeHashValue(Int, Range<UInt>) -> UInt Instrumental
▶@objc ListCollectionViewController.scrollViewDidScroll(UIScrollView) -> () Instrumental
▶ListCollectionViewLayout.prepare() -> () Instrumental

Symbol Name
▼Instrumental (2248) +
▼Main Thread 0xb45bc
main Instrumental
▶specialized ListCollectionViewController.collectionView(UICollectionViewController, cellForItemAt : IndexPath) -> UICollectionViewCell Instrumental
▶@objc ListCollectionViewCell.init(coder : NSCoder) -> ListCollectionViewCell? Instrumental
▶@objc ListCollectionViewController.scrollViewDidScroll(UIScrollView) -> () Instrumental
▶ListCollectionViewLayout.prepare() -> () Instrumental
▶@objc ListCollectionViewLayout.shouldInvalidateLayout(forBoundsChange : CGRect) -> Bool Instrumental

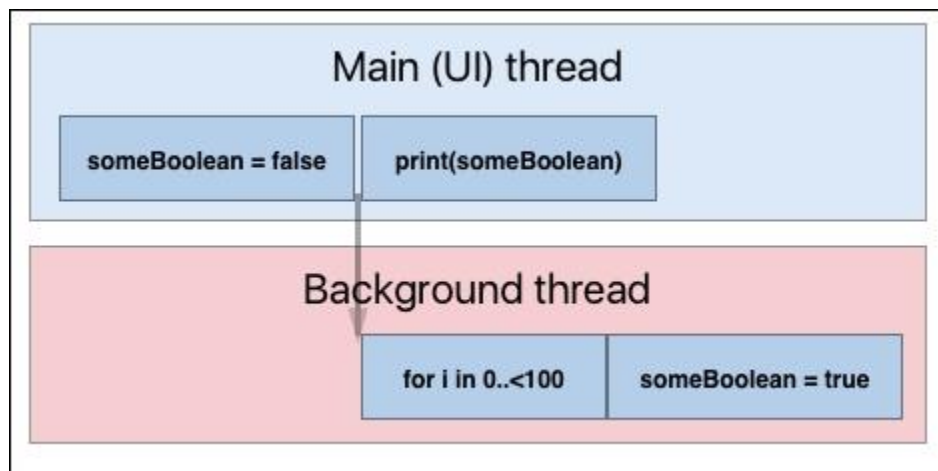
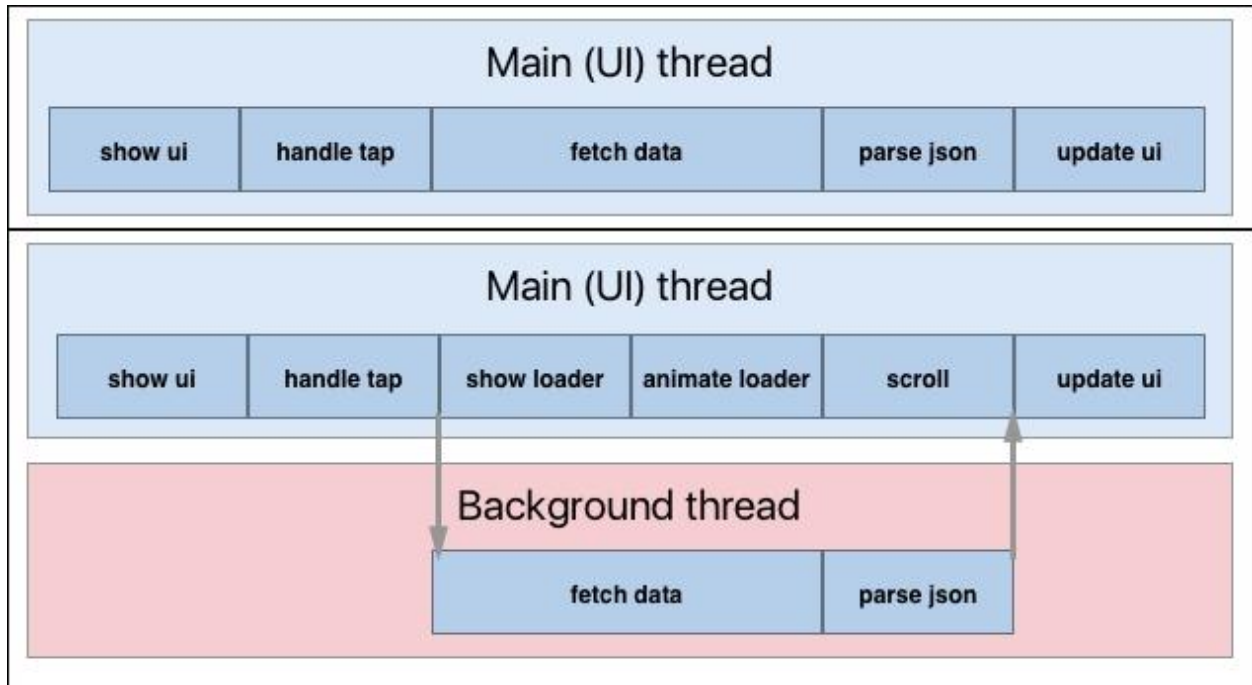


Graph	Category	Persistent B...	# Persistent
<input type="checkbox"/>	Instrumental.ListCollectionViewCell	50,62 KiB	90
<input type="checkbox"/>	Instrumental.ListCollectionViewController	4,97 KiB	6
<input type="checkbox"/>	Instrumental.ListCollectionViewLayout	1,97 KiB	6
<input type="checkbox"/>	Instrumental.ListViewController	800 Bytes	1
<input type="checkbox"/>	Instrumental.AppDelegate	32 Bytes	1

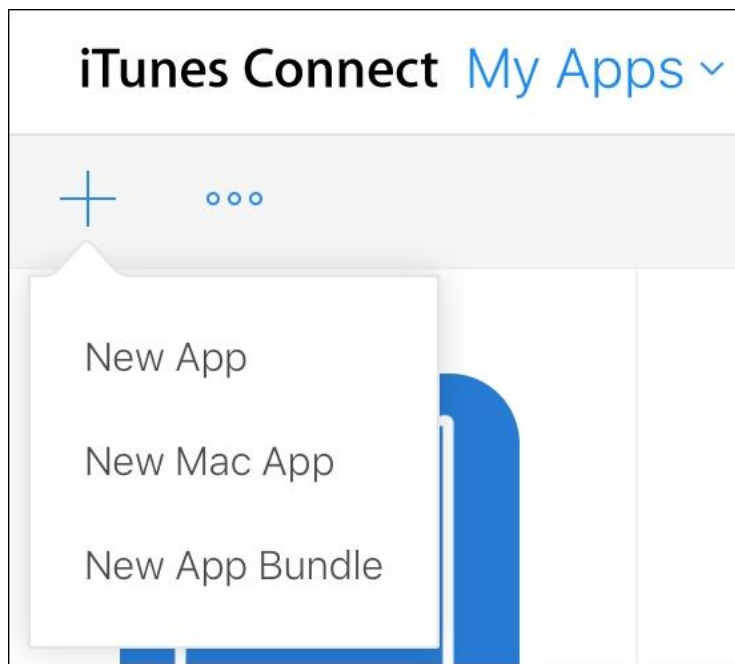
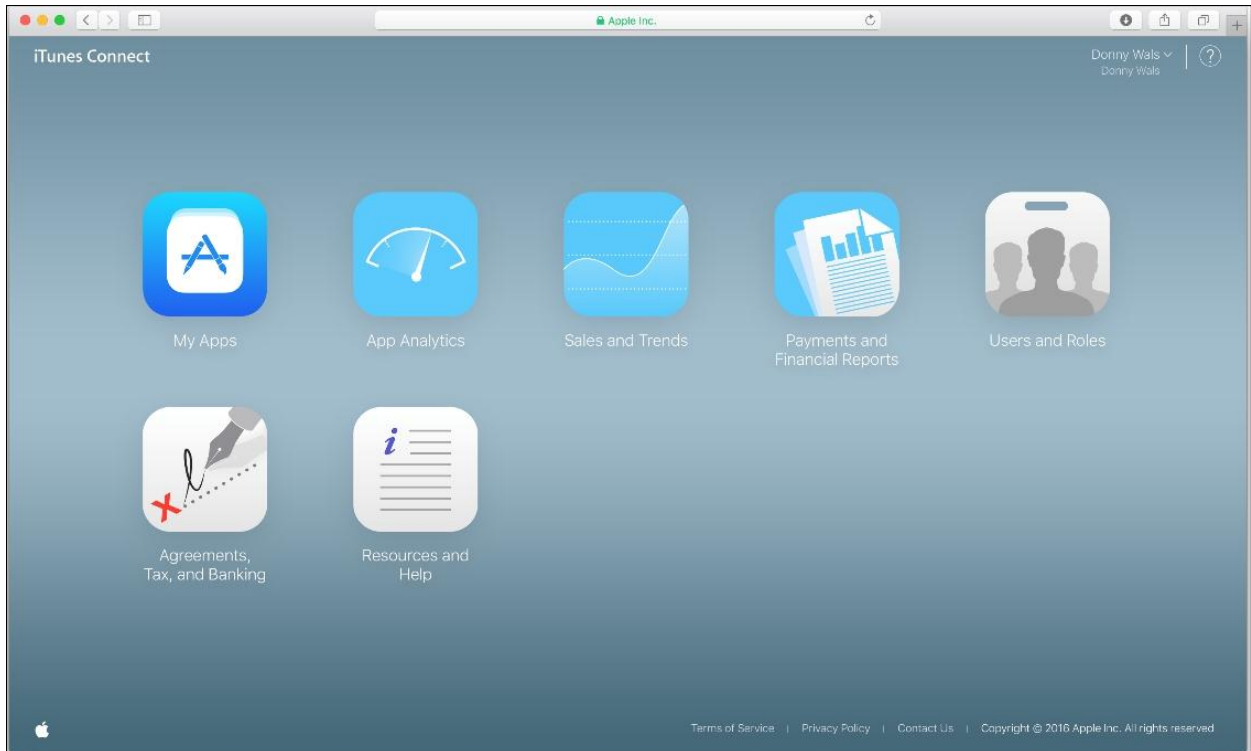




Chapter 21: Offloading Tasks with Operations and GCD



Chapter 22: Wrapping Up the Development Cycle and Submitting to the App Store



New App

Platforms ?
 iOS tvOS

Name ?

Primary Language ?

Bundle ID ?

SKU ?

The screenshot shows the Apple Developer account interface. At the top, it says "Developer" and "Account" with the user's name "Donny Wals". A sidebar on the left lists navigation options: Overview, Membership, Certificates, IDs & Profiles, iTunes Connect, CloudKit Dashboard, and Code-Level Support. The main content area features the name "Donny Wals" and "Apple Developer Program". Below this are two main sections: "Certificates, Identifiers & Profiles" with a sub-description "Manage the certificates, identifiers, profiles, and devices you need to develop and distribute apps.", and "iTunes Connect" with a sub-description "Publish and manage your apps on the App Store with iTunes Connect."

Registering an App ID

The App ID string contains two parts separated by a period (.) — an App ID Prefix that is defined as your Team ID by default and an App ID Suffix that is defined as a Bundle ID search string. Each part of an App ID has different and important uses for your app. [Learn More](#)

App ID Description

Name:

You cannot use special characters such as @, &, *, ', "

App ID Prefix

Value: 4JMM8JMG3H (Team ID)

App ID Suffix

- Explicit App ID**
If you plan to incorporate app services such as Game Center, In-App Purchase, Data Protection, and iCloud, or want a provisioning profile unique to a single app, you must register an explicit App ID for your app.

To create an explicit App ID, enter a unique string in the Bundle ID field. This string should match the Bundle ID of your app.

Bundle ID:

iTunes Connect My Apps ▼ Apple Inc. The Daily Quote ▼ Donny Wals ▼ Donny Wals ?

App Store Features TestFlight Activity

APP STORE INFORMATION

- App Information
- Pricing and Availability

IOS APP

- 1.0 Prepare for Submissi...

+ VERSION OR PLATFORM

App Information

This information is used for all platforms of this app. Any changes will be released with your next app version. Save

Localizable Information English (U.S.) ▼ ?

Name ?
The Daily Quote

Privacy Policy URL ?
http://example.com (optional)

General Information

Bundle ID ? [Register a new bundle ID.](#)
XC com donnywals TheDailyQuote - ct ▼

Your Bundle ID com.donnywals.TheDailyQuote



SKU ?
com.donnywals.TheDailyQuote

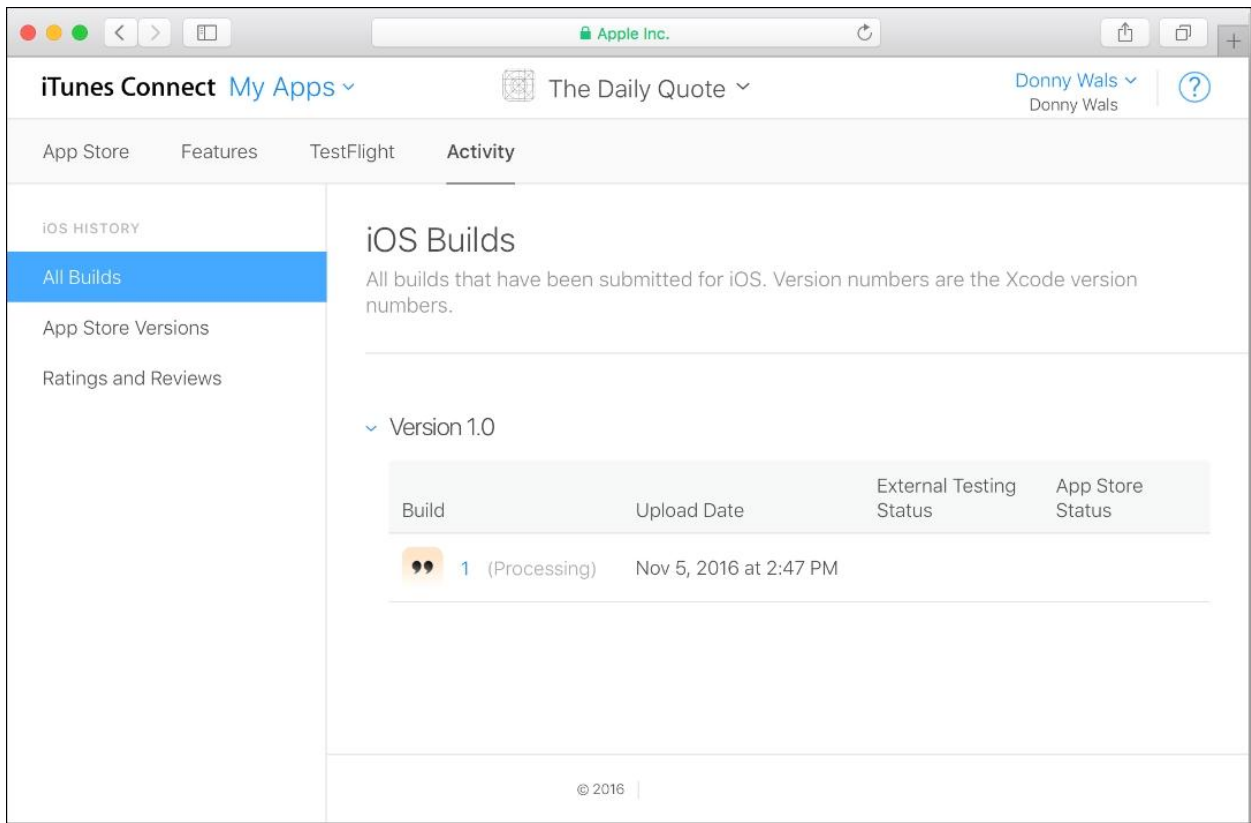
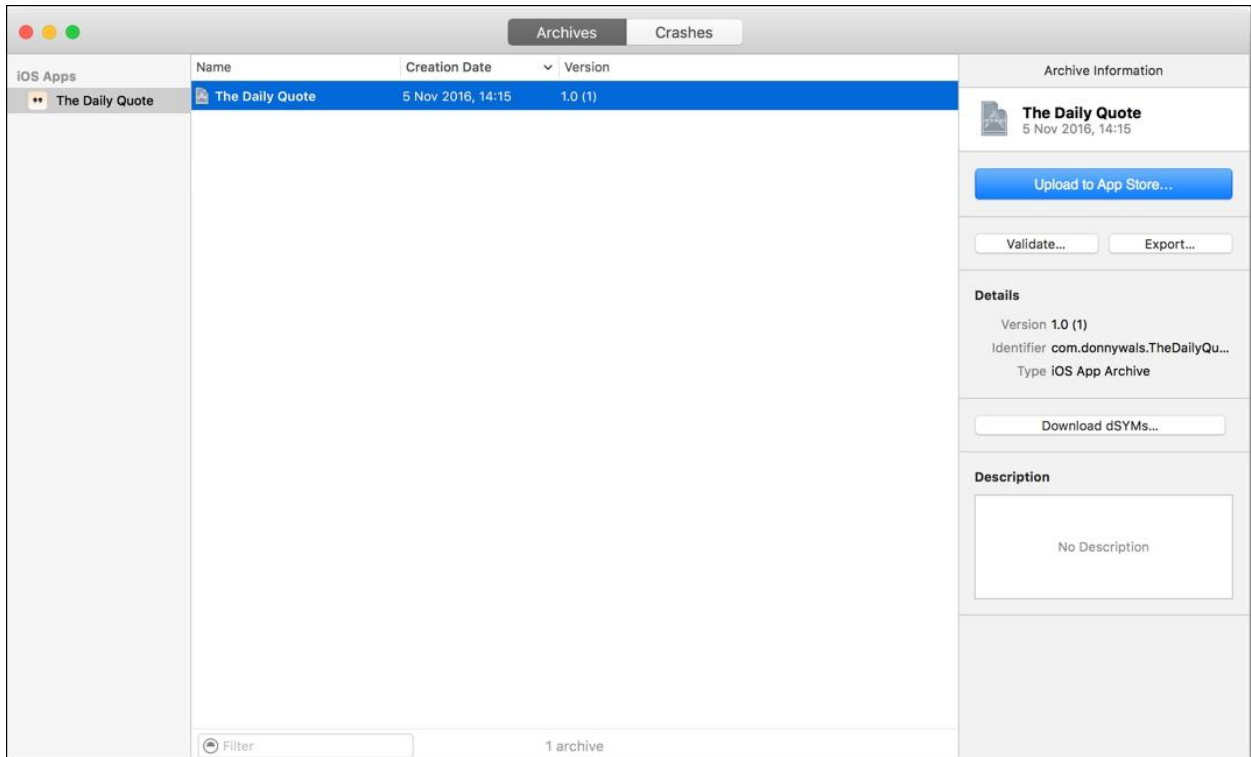
Apple ID ?

Primary Language ?
English (U.S.)

Category ?
Primary ▼
Secondary (optional) ▼


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▶ ■  The Daily Quote >  Generic iOS Device



Select an iOS version to test.

Internal testers have access to the latest build for the selected version. They'll also have access to any new builds that you upload for this version.

Version	Latest Build	Upload Date	Export Compliance
<input type="radio"/> 1.0	 1	Nov 5, 2016 at 2:47 PM	Missing

Cancel

OK

5.5-Inch Display



0/1 App Preview and 1/5 Screenshots | [Media Manager](#) | [Choose File](#) | [Delete All](#)