Demystifying Views in ios

PRO

Oct 30 2018 · Video Course (1 hr, 59 mins) · Intermediate

Learn to organize your app ideas and designs in ways that work well with the latest versions of UIKit and Interface Builder. Eradicate View and View Controller confusion!



3.1/5 ★★★★★

Version

Swift 4, iOS 12, Xcode 10

User Interface

iOS & Swift Tutorials

26 Ratings



Nib Files

Introduction 3:04 | FREE

Get a little background on what these "views" are, that we'll be demystifying. Then find out the app you'll be building.

Creating Nib Files 8:35 Create a nib file: the predecessor to the storyboard, and still a great option for

Loading Nib Files 8:27

designing views in Interface Builder.

Use a Bundle to load a nib, and then integrate the nib into your storyboard – both at runtime, and in Interface Builder.

A nib file's owner allows it to connect to its external environment using the

File's Owner 6:19

convenience of Interface Builder outlets and actions. Challenge: File's Owner 3:43

You've got a view controller and a file's owner for your nib. If you can hook them

Nib Outlets 4:52

together, you'll have successfully integrated interactivity with your nib.

Owner to a view controller. But you can connect inter-nib objects too!

UINib 5:12 Sometimes you'll want to load objects from a nib multiple times. UINib is a better

match for those cases than instantiating repeatedly from a Bundle.

You know how to connect outlets from a nib, to its File's Owner, and from the File's

over, all within an entirely new nib!

Challenge: Reusing Nibs 2:19 You've used the nib you designed once in a storyboard. Now use it again four times

Conclusion 1:09

You've now learned all about a powerful tool: nib files! Let's review their similarities to storyboards and when nibs are more appropriate.

Temporary Subviews

Introduction 1:00

Part 1 is all about views, and Part 2, view controllers. This part will bridge the gap, with a focus on views that don't stay on-screen all the time.

Parent Views 8:28 Explore, in Swift, how you can take control over subviews (including ones loaded

from nibs!) without necessarily using a view controller.

Learn to integrate a parent view into a view controller. The view controller will have

Scene Dock 6:04

Controlling Parent Views 7:30

to do some coordination, but its subviews can take over from there.

temporary views that are associated with only one view controller.

Challenge: Scene Dock View 3:07 Combine the power of a custom UIView subclass and a Scene Dock object that uses

Get some experience designing a view in the Scene Dock. It's a great place to put

that class. Storyboard scenes are flexible!

Multiple Scene Dock Views 2:06 You're not limited to one temporary view in a scene. It's also possible to interact with

Challenge: Scene Dock Outlet & Action 2:21

Scene Dock views, and have them stick around until dismissed.

Although custom UIView subclasses for Scene Dock views are a helpful tool, they're not always necessary to get the job done. Go without, this time!

Conclusion 0:35

of a view controller and temporary, you've got them down.

Views in nibs, views in the scene dock, view in parent views: when they're subviews

Container View Controllers

Introduction 1:31

Before you can convert one of your views to be a controller, get an idea of what a container view controller is, and its role in dependency injection.

It's time to power up your view to become a view controller! You'll learn to convert from a nib to a storyboard, and get started coding it as well.

View to Controller Conversion 5:32

Adding Child View Controllers 5:38

There's a little bit more to worry about when adding a child view controller than

there is for just a subview. Let's sort out the extra requirements.

Embed Segues 8:27

Embed segues are an alternative to loading child view controllers in code, After this video, you'll be able to gauge which method is right for your needs.

Challenge: Container Subclasses 5:19 It's time to see how much of what you've created for your first contained view controller can be reused for your latest one.

Storyboard References 6:15

own container view controllers with it. Storyboard references make it easy!

You'll be making the final view controller for the course, and using one of Apple's

View Models 6:37 Come get acquainted with the basics of View Models. You'll define one for a custom

view lass, and then manage a collection of them with their view controller.

Challenge: Tab Control 2:51 You've been coordinating between two parts of the screen with one container view controller. Now coordinate between two screens, with another.

Conclusion 2:05

Review the big ideas of what you've learned in the course. Start considering how all of your new view-organizing skills can benefit you in a team environment.

Jessy Catterwaul Fascinated by technology consistently making learning easier, Jessy enjoys

EDITOR

Contributors

exploring new techniques involving creative software... **INSTRUCTOR**

Christine Sweigart Christine is Razeware's administrative assistant and video editor. For many years INSTRUCTOR

Catie Catterwaul

Catie makes things for, with, and about

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Apple tech in collaboration with her



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she fostered a strong dislike of green...

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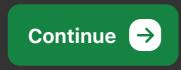
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This is part of the "iOS User Interfaces" learning path. View Path

Gesture Recognizers in ios

Nov 27 2018 · Video Course (48 mins) · Beginner

Touch interaction is a fundamental component of iOS and UIGestureRecognizer is the key to easy-to-use gestures beyond simple button taps. Learn about it here!



3.9/5 ★ ★ ★ ★ ★ <u> 8 Ratings</u>

Version

Swift 4, iOS 12, Xcode 10

User Interface

iOS & Swift Tutorials



Introduction 1:51 FREE

Learn a bit of the history of gesture recognizers in iOS, and what we will be covering in this course.



UIPanGestureRecognizer 4:02

Attach a UIPanGestureRecognizer to a view in Interface Builder, and write some Swift to have your pan gestures interact with that view.



Deceleration 6:24

Leverage UIKit's animation API, combined with information from your pan gesture recognizer, to decelerate a view you toss around the screen.



Pinch & Rotation 5:39

Manipulate the CGAffineTransform associated with a view based on pinch and rotation gestures. Also, learn to use multiple gesture recognizers at once!



Challenge: Multiple Views 2:32

Practice working with the types of gesture recognizers you've already learned about, resulting in simultaneous control of multiple views with multiple gestures.

Programmatic UIGestureRecognizers 5:17

Extend your knowledge of creating gesture recognizers, from Interface Builder, to Swift, and get introduced to UIGestureRecognizerDelegate.

Custom UIGestureRecognizers 9:58

Now that you're familiar with how to use existing gesture recognizers, you'll dive into

their inner workings, creating one of your own.

Even though the app you've made in this course is small, you've written quite a bit of

math-heavy code. simd can make that easier on you in the future!

Introduction to simd 7:20

Challenge: simd 3:40

With a primer to simd under your belt, see if you can finish tidying up the vector



Conclusion 1:34

Review all the types of UIGestureRecognizers you've learned about, and get a recommendation on where to learn more.

Contributors



Catie Catterwaul

Catie makes things for, with, and about Apple tech in collaboration with her husband, <u>Jessy!</u> She is inspired by everyone at...

INSTRUCTOR



Jessy Catterwaul

Fascinated by technology consistently making learning easier, Jessy enjoys exploring new techniques involving creative software...

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Christine Sweigart

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EDITOR

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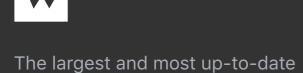
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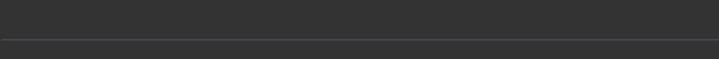
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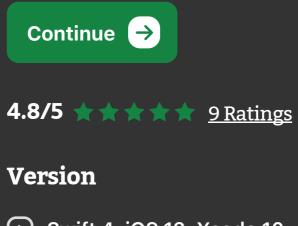
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Scroll View School



Nov 13 2018 · Video Course (1 hr, 18 mins) · Beginner

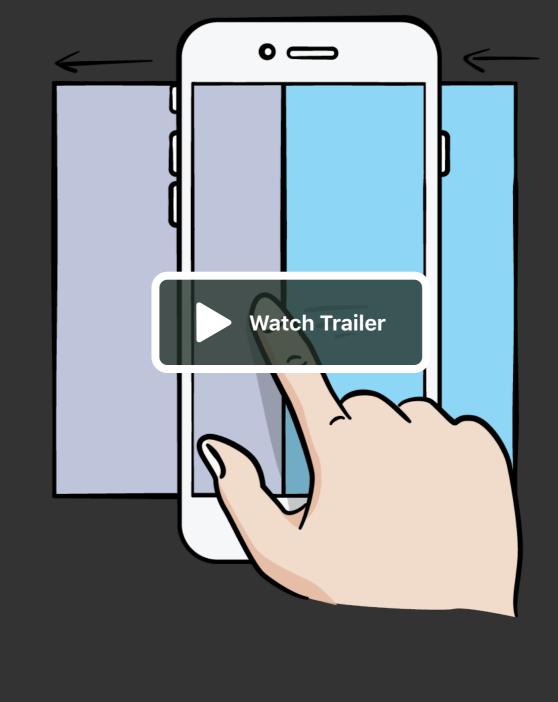
Scroll views are a means to provide a lot of content in a small amount of space, but unfortunately, they can be a bit tricky. This course will walk you through the basics of scroll views, showing you to use them in a variety of layouts. Once you get comfortable with them, you'll explore several scroll view recipes that have been inspired in some popular recipes.



> Swift 4, iOS 12, Xcode 10

Core Concepts

iOS & Swift Tutorials



Beginning Scroll Views



Introduction 1:51 | FREE

Frames and Bounds 1:45

Scroll views are used everywhere in iOS. In this video, you'll learn where they are used and why they are important to learn.

Every view has a frame and bounds. This video introduces these concepts and how they relate to scroll views.

DIY Scroll View 4:19 By writing a little code, you can write your own Do-It-Yourself custom scroll view!

these properties.

Learn how in this video.

Challenge: Update Frame and Bounds 2:38

In this challenge video, you will get to see how frames and bounds work by altering

Your First Scroll View 4:44

Challenge: Set Content Size 2:33

Now that you have an idea of how a scroll view works, you'll be introduced to using the UIScrollView that is included with iOS.

Setting the content size determines the scrolling size of scroll view. In this video,

you'll learn how to set it.

Zooming 6:46

Pinch to zoom is a great way to increase or decrease the size of a view. In this video, you'll learn how to implement it.

Centering Content 3:29 In this video tutorial you will learn about the process of centering the content by way

Auto Layout 8:46

of adding padding.

In this video tutorial you will learn how to use Auto Layout and stack views to create layouts inside of scroll views.

In this video challenge, you'll create a simple layout in a scroll view, using constraints

Conclusion 0:24

and a stack view.

This video wraps up the first part of the course! Review what you learned and find out what's up next.

Intermediate Scroll Views

Challenge: Auto Layout 5:14

Introduction 0:40

This video provides an overview of some of the topics that will be covered in this part of the course.

Embedding Layouts 3:03

In this video you'll learn how to move an existing layout into a scroll view without ruining all of your constraints!

Nesting Scroll Views 4:01 Often times, you'll want to nest a scroll view inside of a scroll view. Find out how to

Content Insets 4:05

avoid common Auto Layout issues and employ a container view!

checkboxes in Interface Builder can help, and how to customize content insets.

Challenge: Nesting & Insets 4:25 Now that you understand how to nest scroll views and add insets, try this challenge in which you'll do both!

Content insets are one way to add padding to a scroll view. Find out how a few

Keyboard Insets 7:36

When a keyboard appears, you don't want your text field to be hidden behind it! Find how how to adjust a scroll view to account for keyboards.

Challenge: Adding Keyboard Insets 2:23 In this video challenge, your task is to add some keyboard insets to a new sample

project. Give it a try! Paging Scroll Views 8:16

add a page control to find out which page you're on. Conclusion 0:59

> This video concludes this part, and the course! Review what you've learned and find out where to go next.

Use a scroll view to page through full-screen views laid out next to each other, and

Contributors



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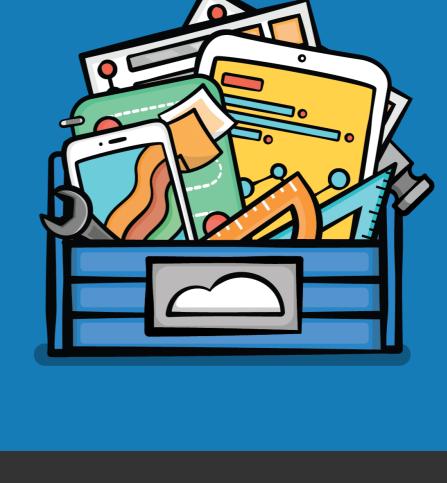


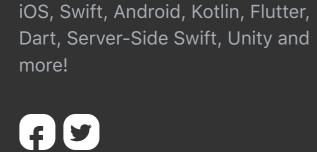
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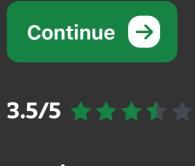


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Beginning Core Data

Oct 2 2018 · Video Course (1 hr, 41 mins) · Beginner

Learn the basics of using Core Data in this beginning series! You'll learn how to model your data with attributes and relationships; add and update records; and then fetch your data with sorting and filtering options.



Version

> Swift 4, iOS 12, Xcode 10

Saving Data / Persistence

iOS & Swift Tutorials

21 Ratings



Part 1

Introduction 6:10

What is Core Data? What does it bring to the table? This introduction will give you an overview of this powerful framework.

Starter Project 1:04

This video provides an overview of the starter project and how it works so you can be familiar with it throughout the course.

Getting Started 6:02

Core Data is composed of a variety of components. In this tutorial, you'll learn about the various pieces that make up Core Data.

Managed Objects 7:59

Managed objects are what you use to construct your Core Data objects. In this video, you'll get started by making one.

Challenge: Adding Another Attribute 3:45

With our entity in place, it's time to add some additional attributes to it. Your challenge is to do this.

Attribute Types 5:04

As you start to build your objects, you'll need to both get them and then to sort them. This video will walk you through the process.

Binary Data 4:51

Predicates 5:51

Filtering 2:19

Core Data allows you to save binary data to your data store. This video shows you how to work with binary data.

While not Core Data specific, predicates allow you to use a SQL-like syntax to

search through your collections for a specific objects.

With a few lines of code, you can easily filter your Core Data objects. This video walks you through the process.

Sorting 3:57

In this video, you'll learn how to sort your objects by the way of sort descriptors.

Challenge: Fixing Sorting Issues 4:24

While we implemented filtering and sorting, unfortunately, things aren't working as expected. Your challenge is to fix it.

Conclusion 0:48

This video concludes the first section and gives an overview of what will be covered in the next one.

Part 2

Introduction 1:19

This video provides an overview of what will be covered in the second section.

Fetched Results Controller 6:57

By combining a fetch request with a controller, you get a lot of power in an easy to use object.

Displaying Data by Section 8:33 This video covers the process of ordering your objects by section.

Challenge: Adding More Entities 2:24

In your first challenge of the section, you'll add another entity.

Relationships 5:00

This video explores relationships that you can establish between objects.

Relationships in Code 10:45

Once you define a relationship in your model, you'll need to access it in code. This video will show you how.

This video covers the various deletion rules that you can use.

Delete Rules 1:55

Challenge: Deleting a Pet 3:26 In your final challenge, you'll write the code to delete the pet objects.

Fetched Results Controller Delegate 3:59

The fetched results controller can inform you when your data changes. In this video, you'll learn how to respond to such changes.

Conclusion 4:23 This video concludes the series but provides alternatives to using Core Data.

Contributors

Brian Moakley Brian is an instructor at Razeware who develops courses and screencasts on a

wide variety of topics of iOS development. When... INSTRUCTOR



Andrea Lepley is an author, editor, artist and twin. As raywenderlich.com's Video Team Lead, she dreams in Trello and makes...

Andrea Lepley

EDITOR

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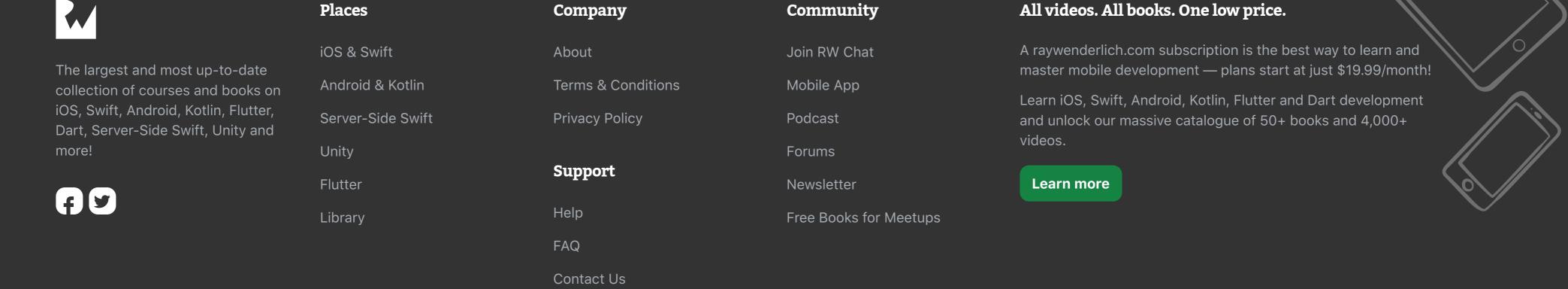
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Networking with URLSession

Oct 9 2018 · Video Course (1 hr, 42 mins) · Beginner

Learn how to use URLSession, Apple's networking API, including when and how to use data, download and upload tasks, with or without a custom session delegate, and how the system manages background sessions. Keep your users' data safe with authentication and App Transport Security, and pick up tips for networking architecture, testing and metrics. Updated for iOS 12 and Swift 4.



Learn ▼

3.9/5 ★ ★ ★ ★ ★ 10 Ratings

Version

Swift 4, iOS 12, Xcode 10







Getting Started

Introduction 4:16 | FREE

This video provides an overview of what is a URLSession, what it provides, and the requirements of what is needed to learn it.

Understanding Concurrency 5:54

You'll get an overview of why concurrency is important and how ignoring it can create a terrible user experience.

Concurrency in iOS 6:05

Session Configuration 4:35

In this video, you'll get a brief overview of the two concurrency options in iOS and see them in action.

Challenge: Running Code on the Main Thread 4:20

This challenge will put your understanding of concurrency to the test by updating the user interface from an operation queue.

modify your session's behavior.

Learn the basics of Session Configuration and how you can use the configuration to

Session Tasks 5:23 This video covers the basics of working with sessions and how to use session data

Conclusion 1:30

tasks.

Now that you have an idea of how to create a session, your challenge is to create your own session.

Challenge: Creating a URL Session 4:16

This video reviews the concepts covered in this part and gives a preview for the next part.

Data Fetching and Background Sessions

Introduction 0:44

The data task is the workhorse of URLSession. This part covers a lot of cool things you can do with them.

This video shows how you can use a url request and a data task to post data across

Making a Post Request 3:46

the web.

Priorities and Caching Policies 2:00 Working with tasks often means setting priorites and figuring out what to cache.

This video covers what you need to know.

Uploading Data 8:33

The upload task lets you upload data across networks. This video will get you

Downloading Data 3:54

started.

Downloading data with URLSession is quite easy to do. This video will introduce you to the download task.

Challenge: Downloading a File 3:49

Often times, you'll be fetching resources from the network, and this challenge will get you started with that.

Background Sessions 3:19

This video covers the necessary moving parts that go into creating background sessions.

Background Sessions in Action 10:18 Now that you have the theory down, this video shows how background sessions

work in practice.

This video reviews all the various ways to download or upload data with URLSession.

Authentication

Conclusion 1:28

Introduction 0:53

This video provides an overview of the various aspects of authentication which will be covered in this part of the course.

Authentication Options 3:26 This video covers the many different authentication mechanisms available to you when connecting over networks.

Authentication with URLSession 6:25

When working with REST services, you'll often need an authentication token. This video will get you started.

Working with Cookies 5:52 Cookies help manage states and in this video, you'll learn how to manage cookies.

Challenge: Print out Cookies from Request 2:51 In this challenge, you'll be tasked with printing out all the values of a cookie to the console.

App Security Transport 6:09

App Security Transport is a way to ensure secure communications across a network. This episode will get you started.

This episode reviews what was covered in this video course and lets you know

Contributors Brian Moakley



Brian is an instructor at Razeware who develops courses and screencasts on a wide variety of topics of iOS development.

Conclusion 2:18

where to go from here.

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