

## Ios 6 By Tutorials Second Edition

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*Bringing IOS Apps to the Mac* Routledge

Sharing Apple Apps With Your Team, Testers & the World You'll learn how to sign up for Apple Developer Program, generate the various certificates needed, configure your app and submit an app to the App Store for approval, both manually and through automated processes through automated pipelines. You'll learn how to use Apple TestFlight to add internal and external testers and receive feedback and crash reports. iOS App Distribution starts with explaining hurdles everyone faces, such as code signing, provisioning profiles, and how to do manual releases. It'll then go into more advanced topics, including distribution through TestFlight, build customization, automation, and continuous integration. Who This Book Is For This book is for beginner to experienced developers who want to know the best and most common workflow to release an app to the App store, as well as limiting frustration by troubleshooting and debugging common issues and problems associated with distributing apps. Topics Covered in iOS App Distribution & Best Practices App Store quick start: Your quickest way from no account to the App Store. Provisioning, code signing & entitlements: In-depth explanation of what they are, why you need them, and how they work. Distribution channels & TestFlight: Learn different ways of distributing your app, within an enterprise, with internal or external testers. App Store Connect: Learn about the Apple review process, what are the guidelines, what can go wrong and how to dispute them. Build customizations: Learn the ins and outs of configuring Xcode and build configurations. Build automation: Automate builds, build servers, and learn about tools such as fastlane. Continuous integration: Build your own CI pipeline to code, build, test, release, and repeat! After reading this book, you'll take your app build process and distribution to the next level, automate most of its tedious processes, and have an easier time debugging obscure app submission problem

The Warbler Guide Newnes

Audio can affect the human brain in the most powerful and profound ways. Using Apple 's Core Audio, you can leverage all that power in your own Mac and iOS software, implementing features ranging from audio capture to real-time effects, MP3 playback to virtual instruments, web radio to VoIP support. The most sophisticated audio programming system ever created, Core Audio is not simple. In Learning Core Audio , top Mac programming author Chris Adamson and legendary Core Audio expert Kevin Avila fully explain this challenging framework, enabling experienced Mac or iOS programmers to make the most of it. In plain language, Adamson and Avila explain what Core Audio can do, how it works, and how it builds on the natural phenomena of sound and the human language of audio. Next, using crystal-clear code examples, they guide you through recording, playback, format conversion, Audio Units, 3D audio MIDI connectivity, and overcoming unique challenges of Core Audio programming for iOS. Coverage includes: mastering Core Audio 's surprising style and conventions; recording and playback with Audio Queue; synthesizing audio; perform effects on audio streams; capturing from the mic; mixing multiple streams; managing file streams; converting formats; creating 3D positional audio; using Core MIDI on the Mac; leveraging your Cocoa and Objective-C expertise in Core Audio 's C-based environment, and much more. When you 've mastered the "black arts" of Core Audio, you can do some serious magic. This book will transform you from an acolyte into a true Core Audio wizard.

**2D Apple Games by Tutorials Second Edition** Razeware LLC

Learn Machine Learning!Machine learning is one of those topics that can be daunting at first blush. It's not clear where to start, what path someone should take and what APIs to learn in order to get started teaching machines how to learn.This is where Machine Learning by Tutorials comes in! In this book, we'll hold your hand through a number of tutorials, to get you started in the world of machine learning. We'll cover a wide range of popular topics in the field of machine learning, while developing apps that work on iOS devices.Who This Book Is ForThis books is for the intermediate iOS developer who already knows the basics of iOS and Swift development, but wants to understand how machine learning works.Topics covered in Machine Learning by TutorialsCoreML: Learn how to add a machine learning model to your iOS apps, and how to use iOS APIs to access it.Create ML: Learn how to create your own model using Apple's Create ML Tool.Turi Create and Keras: Learn how to tune parameters to improve your machine learning model using more advanced tools.Image Classification: Learn how to apply machine learning models to predict objects in an image.Convolutional Networks: Learn advanced machine learning techniques for predicting

objects in an image with Convolutional Neural Networks (CNNs).Sequence Classification: Learn how you can use recurrent neural networks (RNNs) to classify motion from an iPhone's motion sensor.Text-to-text Transform: Learn how to use machine learning to convert bodies of text between two languages.By the end of this book, you'll have a firm understanding of what machine learning is, what it can and cannot do, and how you can use machine learning in your next app!

IPhone IOS 6 Development Essentials Razeware LLC

Learn & Master SwiftUI!Every developer wants to build the most fluid and engaging declarative UI for their apps with as little code as possible. SwiftUI will help you do just that. Learn all the main concepts through an easy-to-follow tutorials where you'll build apps that teach you to create modern, responsive UI and animations that look great on iOS, iPadOS, watchOS, tvOS, and even macOS.?Who This Book Is For?This book is for intermediate iOS developers who already know the basics of iOS, and who wish to know everything there is to know about SwiftUI.?Topics Covered in SwiftUI by Tutorials?SwiftUI Overview: Learn SwiftUI features, as well as the differences between Apple s platforms with SwiftUI. Customize your apps for AppKit, UIKit, WatchKit, tvOS, iPadOS and even Catalyst.Testability: See how to apply UI Testing to your SwiftUI apps in this very simple, yet powerful course.Controls & User Input: Learn about controls such as TextField, Button, Toggle, Slider, Stepper, pickers and many more.State & Data Flow: Learn how to bind data to the UI, about reactive updates to the UI through state management, and in-depth usage of the attributes related to SwiftUI.Accessibility: Learn how to navigate your app with VoiceOver on an iOS device and use the SwiftUI Accessibility API attributes to improve your app's accessible UI.Drawing Custom Graphics & Animations: Create drawings, graphics, animations and even view transitions in SwiftUI.macos: Learn how to create a document-based Mac app and later start with an existing iOS app and learn how to re-use code, views and assets for creating a macOS app.One thing you can count on: After you finish reading this book, you'll be able to take advantage of the latest and greatest features of SwiftUI to bring modern declarative UX to your apps.

*iOS 8 App Development Essentials - Second Edition* Sams Publishing

Make Delightful Animations with Swift!There's no denying it: creating animations is one of the most enjoyable parts of iOS development.Animations are fun to create, they breathe life into your user interface, and they make your app a delight to use.In this book, you'll learn about iOS animation in Swift from beginning to advanced through a series of hands-on tutorials and challenges, that make your app look and feel great.Who This Book Is ForThis book is for intermediate to advanced developers, who already know the basics of iOS and Swift development and want to dive deep into animations.Topics Covered in iOS Animations by Tutorials:SwiftUI: Learn how to bring this exciting new technology to life.View Animations: Learn how to animate views: size, position, color, and more.Springs: Make your animations bounce with realistic spring behavior.Transitions: Add subtle transitions when you add or remove subviews.Keyframe Animations: Learn how to make complex animations with precise multi-stage timing.Animation and Auto Layout: Learn how to animate with Auto Layout by animating constraints.Layer Animations: Dive deeper and use layer animation for more advanced techniques.Shapes and Masks: Learn how to use shapes and layer masks for cool effects.Gradient Animations: Make moving gradients like the "slide to unlock" screen.Stroke and Path Animations: Animate lines moving over time along a path.3D Animations: Rotate, translate, and scale your layers over time in three dimensions.

**IOS 5 by Tutorials: Volume 1 (2nd Edition)** "O'Reilly Media, Inc."

Learn to Run Your iOS Apps on macOS Using Catalyst!Catalyst allows you to take code that you've written for iOS devices and run it on macOS, opening up a whole new platform - and a new universe of users - that you can reach using your existing code and knowledge. But, there are differences in the platforms; you need to know these differences to make great macOS apps. In this book, you'll learn how to take an iOS app to macOS the easy way: by following fun and easy-to-read tutorials.Who This Book Is ForThis book is for any developer who wants to learn how to use Catalyst to apply iOS skills to developing apps for macOS.Topics Covered in Catalyst by TutorialsMulti-Window Support: Learn how to support multiple app windows on iPad and Mac.Drag-and-Drop: Copy and move images in your app using Drag-and-Drop API.Menus: Context menus are new to iPad, but on Mac, they're essential. Learn how to create context menus and the main menu for your Mac app.Keyboard shortcuts: Learn how to give your users a productivity boost with keyboard shortcuts.Preferences: Give your users control over settings in your apps with preferences.Mouse: One of the main differences between iOS and Mac apps is mouse support. Learn how this difference impacts your Catalyst app.Toolbar and TouchBar: Give your app some extra polish by supporting these Mac-only UI elements.Distribution: Once you have your Mac app, you'll learn what's different from iOS in getting that app to your users.One thing you can count on: After reading this book, you'll be prepared to take advantage of all that Catalyst has to offer!

**Beginning IOS Development with Swift** Addison-Wesley Professional

The operational amplifier ("op amp") is the most versatile and widely used type of analog IC, used in audio and voltage amplifiers, signal conditioners, signal converters, oscillators, and analog computing systems. Almost every electronic device uses at least one op amp. This book is Texas Instruments' complete professional-level tutorial and reference to operational amplifier theory and applications. Among the topics covered are basic op amp physics (including reviews of current and voltage division, Thevenin's theorem, and transistor models), idealized op amp operation and configuration, feedback theory and methods, single and dual supply operation, understanding op amp parameters, minimizing noise in op amp circuits, and practical applications such as instrumentation amplifiers, signal conditioning, oscillators, active filters, load and level conversions, and analog computing. There is also extensive coverage of circuit construction techniques, including circuit board design, grounding, input and output isolation, using decoupling capacitors, and frequency characteristics of passive components. The material in this book is applicable to all op amp ICs from all manufacturers, not just TI. Unlike textbook treatments of op amp theory that tend to focus on idealized op amp models and configuration, this title uses idealized models only when necessary to explain op amp theory. The bulk of this book is on real-world op amps and their applications; considerations such as thermal effects, circuit noise, circuit buffering, selection of appropriate op amps for a given application, and unexpected effects in passive components are all discussed in detail. \*Published in conjunction with Texas Instruments \*A single volume, professional-level guide to op amp theory and applications \*Covers circuit board layout techniques for manufacturing op amp circuits.

**Beginning 2D IOS, Tvos, Macos & Watchos Game Development with Swift 3** Microsoft Press

"Learn to program games using Apple's new framework: Sprite Kit!"--Cover.

**Op Amps for Everyone** Que Publishing

Learn iPhone and iPad Programming via Tutorials! If you're new to iOS and Swift, or to programming in general, learning how to write an app can seem incredibly overwhelming. That's why you need a book that: Shows you how to write an app step-by-step Has tons of illustrations and screenshots

to make everything clear Is written in a fun and easygoing manner! In this book, you will learn how to make your own iPhone and iPad apps, through a series of four epic-length hands-on tutorials. These hands-on tutorials describe in full detail how to build a new app from scratch. Four tutorials, four apps. Each new app will be a little more advanced than the one before, and together they cover everything you need to know to make your own apps. By the end of the series you'll be experienced enough to turn your ideas into real apps that you can sell on the App Store. Tutorial 1: Bull's Eye. In the first tutorial in the book, you'll start off by building a simple but fun game to learn the basics of iPhone programming. In the process, you'll get familiar with Xcode, Interface Builder, and Swift in an easygoing manner. Tutorial 2: Checklists. In the second tutorial in the series, you'll create your own to-do list app. In the process, you'll learn about the fundamental design patterns that all iOS apps use and about table views, navigation controllers and delegates. Now you're making apps for real! Tutorial 3: MyLocations. In the third tutorial, you'll develop a location-aware app that lets you keep a list of spots that you find interesting. In the process, you'll learn about Core Location, Core Data, Map Kit, and much more! Tutorial 4: StoreSearch. Mobile apps often need to talk to web services and that's what you'll do in this final tutorial of the book. You'll make a stylish app for iPhone and iPad that lets you search for products on the iTunes store using HTTP requests and JSON. It is my sincere belief that this series can turn you from a complete newbie into an accomplished iOS developer, but you do have to put in the time and effort. By writing this book I've done my part, now it's up to you...

**IOS Test-Driven Development by Tutorials (First Edition): Learn Real-World Test-Driven Development** Addison-Wesley

The goal of this book is to teach the skills necessary to build iOS 14 applications using SwiftUI, Xcode 12 and the Swift 5.3 programming language. Beginning with the basics, this book provides an outline of the steps necessary to set up an iOS development environment together with an introduction to the use of Swift Playgrounds to learn and experiment with Swift. The book also includes in-depth chapters introducing the Swift 5.3 programming language including data types, control flow, functions, object-oriented programming, property wrappers and error handling. An introduction to the key concepts of SwiftUI and project architecture is followed by a guided tour of Xcode in SwiftUI development mode. The book also covers the creation of custom SwiftUI views and explains how these views are combined to create user interface layouts including the use of stacks, frames and forms. Other topics covered include data handling using state properties in addition to observable, state and environment objects, as are key user interface design concepts such as modifiers, lists, tabbed views, context menus, user interface navigation, and outline groups. The book also includes chapters covering graphics drawing, user interface animation, view transitions and gesture handling, WidgetKit, document-based apps and SiriKit integration. Chapters are also provided explaining how to integrate SwiftUI views into existing UIKit-based projects and explains the integration of UIKit code into SwiftUI. Finally, the book explains how to package up a completed app and upload it to the App Store for publication. Along the way, the topics covered in the book are put into practice through detailed tutorials, the source code for which is also available for download. The aim of this book, therefore, is to teach you the skills necessary to build your own apps for iOS 14 using SwiftUI. Assuming you are ready to download the iOS 14 SDK and Xcode 12 and have an Apple Mac system you are ready to get started.

*IOS App Distribution & Best Practices (First Edition)* CRC Press

iOS 8 App Development Essentials is latest edition of this popular book series and has now been fully updated for the Swift 1.2 programming language, the iOS 8 SDK and Xcode 6.3. Beginning with the basics, this book provides an outline of the steps necessary to set up an iOS development environment. An introduction to the architecture of iOS 8 and programming in Swift is provided, followed by an in-depth look at the design of iOS applications and user interfaces. More advanced topics such as file handling, database management, in-app purchases, graphics drawing and animation are also covered, as are touch screen handling, gesture recognition, multitasking, iAds integration, location management, local notifications, camera access and video and audio playback support. Other features are also covered including Auto Layout, Twitter and Facebook integration, App Store hosted in-app purchase content, collection views, Sprite Kit-based game development, local map search and user interface animation using UIKit dynamics. The key new features of the iOS 8 SDK and Xcode 6 are also covered, including Swift playgrounds, universal user interface design using size classes, app extensions, Interface Builder Live Views, embedded frameworks, CloudKit data storage and TouchID authentication. The aim of this book is to teach the range of skills necessary to build apps for iOS 8. iOS 8 App Development Essentials takes a modular approach to the subject of iOS 8 application development for both the iPhone and iPad, with each chapter covering a self contained topic area consisting of detailed explanations, examples and step-by-step tutorials. This makes the book both an easy to follow learning aid and an excellent reference resource.

**SwiftUI Essentials - iOS 14 Edition** CRC Press

Learn how to test iOS Applications! iOS Test-Driven Development introduces you to a broad range of concepts with regard to not only writing an application from scratch with testing in mind, but also applying these concepts to already written applications which have little or no tests written for their functionality. Who This Book Is For This book is for intermediate iOS developers who already know the basics of iOS and Swift development but want to learn how to write code which is both testable and maintainable. Topics Covered in iOS Test-Driven Development The TDD Cycle: Learn the concepts of Test-Driven Development and how to implement these concepts within an iOS application. Test Expressions and Expectations: Learn how to test both synchronous code using expressions and asynchronous code using expectations. Test RESTful Networking: Write tests to verify networking endpoints and the ability to mock the returned results. Test Authentication: Write tests which run against authenticated endpoints. Legacy Problems: Explore the problems legacy applications written without any unit tests or without thought of testing the code. Breaking Dependencies into Modules: Learn how to take dependencies within your code and compartmentalize these into their own modules with their own tests. Refactoring Large Classes: Learn how to refactor large unweildng classes into smaller more manageable and testable classes / objects. One thing you can count on: after reading this book, you'll be prepared to write testable applications which you can have confidence in making changes too with the knowledge your tests will catch breaking changes.

**IOS 5 by Tutorials: Volume 2 (2nd Edition)** "O'Reilly Media, Inc."

Learn How to Make 2D Games for iOS, tvOS, watchOS and macOS! Learn how to make games for all the major Apple platforms in Swift, using Apple's built-in 2D game framework: SpriteKit. Through a series of mini-games and challenges, you will go from beginner to advanced and learn everything you need to make your own game! By the time you're finished reading this book, you will have made 6 complete mini-games, from an action game to a puzzle game to a racing game!

Topics Covered in 2D Apple Games by Tutorials Sprites: Get started quickly and get your images onto your screen. Manual Movement: Move sprites manually with a crash course on 2D math. Actions: Learn how to move sprites the "easy way" using SpriteKit actions. Scenes and Transitions: Make multiple screens in your app and move between them. Camera: Use SpriteKit's built-in camera to control your view. Labels: Learn how to display text for lives, score and more in your game. Physics: Add realistic physics behavior into your games. Beyond Sprites: Add video nodes, core image filters, and custom shapes. Particle Systems: Add explosions, star fields, and other special effects. Adding "Juice" Take your game from good to great by polishing it until it shines. Online Gaming: Add multiplayer features to your game with Apple's Game Center. Tile Maps: Make games that use tile maps with obstacles, power-ups, and more. tvOS: Learn how to port your game to the Apple TV and work with the remote. watchOS: Take advantage of the unique features of the Apple Watch. macOS: Learn how to bring 2D gaming to the desktop. And much more, including bonus chapters on augmented reality in ARKit and creating your own 2D game art!

*My iPad (Covers iOS 6 on iPad 2, iPad 3rd/4th generation, and iPad mini)* eBookFrenzy

A revolutionary memoir about domestic abuse by the award-winning author of Her Body and Other Parties In the Dream House is Carmen Maria Machado's engrossing and wildly innovative account of a relationship gone bad, and a bold dissection of the mechanisms and cultural representations of psychological abuse. Tracing the full arc of a harrowing relationship with a charismatic but volatile woman, Machado struggles to make sense of how what happened to her shaped the person she was becoming. And it's that struggle that gives the book its original structure: each chapter is driven by its own narrative trope—the haunted house,

erotica, the bildungsroman—through which Machado holds the events up to the light and examines them from different angles. She looks back at her religious adolescence, unpacks the stereotype of lesbian relationships as safe and utopian, and widens the view with essayistic explorations of the history and reality of abuse in queer relationships. Machado's dire narrative is leavened with her characteristic wit, playfulness, and openness to inquiry. She casts a critical eye over legal proceedings, fairy tales, Star Trek, and Disney villains, as well as iconic works of film and fiction. The result is a wrenching, riveting book that explodes our ideas about what a memoir can do and be.

*IOS and MacOS Performance Tuning* Razeware LLC

Build your own low-level game engine in Metal! This book introduces you to graphics programming in Metal - Apple's framework for programming on the GPU. You'll build your own game engine in Metal where you can create 3D scenes and build your own 3D games. Who This Book Is For This book is for intermediate Swift developers interested in learning 3D graphics or gaining a deeper understanding of how game engines work. Topics Covered in Metal by Tutorials The Rendering Pipeline: Take a deep dive through the graphics pipeline. 3D Models: Import 3D models with Model I/O and discover what makes up a 3D model. Coordinate Spaces: Learn the math behind 3D rendering. Lighting: Make your models look more realistic with simple lighting techniques. Textures & Materials: Design textures and surfaces for micro detail. Character Animation: Bring your 3D models to life with joints and animation. Tessellation: Discover how to use tessellation to add a greater level of detail using fewer resources. Environment: Add a sky to your scenes and use the sky image for lighting. Instancing & Procedural Generation: Save resources with instancing, and generate scenes algorithmically. Multipass & Deferred Rendering: Add shadows with advanced lighting effects. And more! After reading this book, you'll be prepared to take full advantage of graphics rendering with the Metal framework.

*Catalyst by Tutorials (Second Edition)* eBookFrenzy

Metaphysics: The Basics is a concise and engaging introduction to the philosophical study of the world and universe in which we live. Concerned with questions about reality, existence, time, identity and change, metaphysics has long fascinated people but to the uninitiated some of the issues and problems can appear very complex. In this lively and lucid book, Michael Rea examines and explains key questions in the study of metaphysics such as: • Can two things be in the same place at the same time? • Do creatures of fiction exist? • Are human beings free? • Is time travel possible? • Is there just one world or many worlds? With a glossary of key terms and suggestions for further reading, the book considers key philosophical arguments around Metaphysics, making this an ideal starting point for anyone seeking a full introduction to the debates both within and about metaphysics.

*UI Patterns for Smartphone Apps* eBookFrenzy

In iOS and macOS(TM) Performance Tuning, Marcel Weiher drills down to the code level to help you systematically optimize CPU, memory, I/O, graphics, and program responsiveness in any Objective-C, Cocoa, or CocoaTouch program. This up-to-date guide focuses entirely on performance optimization for macOS and iOS. Drawing on more than 25 years of experience optimizing Apple device software, Weiher identifies concrete performance problems that can be discovered empirically via measurement. Then, based on a deep understanding of fundamental principles, he presents specific techniques for solving them. Weiher presents insights you won't find anywhere else, most of them applying to both macOS and iOS development. Throughout, he reveals common pitfalls and misconceptions about Apple device performance, explains the realities, and helps you reflect those realities in code that performs beautifully. Understand optimization principles, measurement, tools, pitfalls, and techniques Recognize when to carefully optimize, and when it isn't worth your time Balance performance and encapsulation to create efficient object representations, communication, data access, and computation Avoid mistakes that slow down Objective-C programs and hinder later optimization Fix leaks and other problems with memory and resource management Address I/O issues associated with drives, networking, serialization, and SQLite Code graphics and UIs that don't overwhelm limited iOS device resources Learn what all developers need to know about Swift performance This book's source code can be downloaded at github.com/mpw/iOS-macOS-performance. Register your product at informit.com/register for convenient access to downloads, updates, and corrections as they become available. Normal 0 false false false EN-US X-NONE X-NONE

*Cocoa®, Cocoa Touch®, Objective-C®, and Swift* eBookFrenzy

This is Volume 1 of a 2-Volume book. iOS 5 was one of the biggest upgrades to iOS so far, and has a ton of awesome features that you'll definitely want to start using in your apps. The only problem is, there's not a ton of documentation or sample code on the APIs, so they're often quite hard to learn! This is where iOS 5 By Tutorials comes in! The goal of the book is to help intermediate and advanced iOS developers get up-to-speed with the APIs introduced in iOS 5 in the quickest and easiest way - via tutorials! Updated for iOS 6. This new second edition is fully up-to-date with iOS 6 and Xcode 4.5. Although the book focuses on APIs introduced in iOS 5, the chapters have been updated to work on iOS 6, use Modern Objective C syntax, and more. This book is for intermediate or advanced iOS developers, who already know the basics of iOS development but want to upgrade their skills to iOS 5. iOS 5 by Tutorials Volume 1 covers the following APIs: ARC: Learn how to successfully migrate to ARC - and worry a lot less about memory management. Storyboards: Learn how to make your apps more quickly with the new Storyboards feature. iCloud: Learn how to store your app's data in the cloud and share across devices. GLKit: Learn how to use GLKit to make OpenGL ES 2.0 programming much easier. UIKit Customization: Learn how to completely customize the look and feel of your apps. The iOS Tutorial Team takes pride in making sure each tutorial we write holds to the highest standards of quality. We want our tutorials to be well written, easy to follow, and fun. And we don't want to just skim the surface of a subject - we want to really dig into it, so you can truly understand how it works and apply the knowledge directly in your own apps. By the time you're finished reading this book, your skills will be completely up to date with iOS 5, and you'll be ready to use these new technologies right away in your apps!

Razeware LLC

Among the many uses of hierarchical modeling, their application to the statistical analysis of spatial and spatio-temporal data from areas such as epidemiology And environmental science has proven particularly fruitful. Yet to date, the few books that address the subject have been either too narrowly focused on specific aspects of spatial analysis,

**Combine** Addison-Wesley Professional

Dive into Combine! Writing asynchronous code can be challenging, with a variety of possible interfaces to represent, perform, and consume asynchronous work - delegates, notification center, KVO, closures, etc. Juggling all of these different mechanisms can be somewhat overwhelming. Does it have to be this hard? Not anymore! In this book, you'll learn about Combine - Apple's framework to work with asynchronous events in a unified and reactive way that ensures your app is always up to date based on the latest state of its data. Who This Book Is For This book is for intermediate iOS developers who already know the basics of iOS and Swift development but are interested in learning declarative/reactive programming and take their app and state management to the next level. You'll also find this book interesting if you're interested in SwiftUI - as many of the reactive capabilities keeping your SwiftUI views up-to-date are built on top of Combine. Topics Covered in Combine: Asynchronous Programming with Swift What & Why: Learn what is Combine and reactive programming and the problems they solve, and how you can unify all of your asynchronous piece of work. Operators: Learn how to compose, transform, filter and otherwise manipulate different pieces of asynchronous work using operators. In Practice: You'll gain knowledge on various topics and techniques you'll leverage when writing your own real-life apps, as

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well as practice these techniques with actual hands-on apps and projects. SwiftUI: You'll learn about how Combine is deeply rooted within SwiftUI and provides it with the ability to reactively update its views based on the state of your app. Advanced Combine: Once you've got a handle on the basics, you'll dive into advanced Combine topics such as Error Handling, Schedulers, and Custom Publishers. By the end of this book, you'll be a pro in building full-fledged applications using Combine's various abilities.