

sample app in the book has been rebuilt from scratch using the latest Xcode and the latest 64-bit iOS 9-specific project templates, and designed to take advantage of the latest Xcode features. Assuming little or no working knowledge of the new Swift programming language, and written in a friendly, easy-to-follow style, this book offers a complete soup-to-nuts course in iPhone, iPad, and iPod touch programming. The book starts with the basics, walking through the process of downloading and installing Xcode and the iOS 9 SDK, and then guides you through the creation of your first simple application. From there, you'll learn how to integrate all the interface elements iOS users have come to know and love, such as buttons, switches, pickers, toolbars, and sliders. You'll master a variety of design patterns, from the simplest single view to complex hierarchical drill-downs. The art of table building will be demystified, and you'll learn how to save your data using the iPhone file system. You'll also learn how to save and retrieve your data using a variety of persistence techniques, including Core Data and SQLite. And there's much more! What You Will Learn: Everything you need to know to develop your own bestselling iPhone and iPad apps Utilizing Swift playgrounds Best practices for optimizing your code and delivering great user experiences

Stay motivated and overcome obstacles while learning to use Swift playgrounds and Xcode 10.2 to become a great iOS developer. This book, fully updated for Swift 5, is perfect for those with no programming background, those with some programming experience but no object-oriented experience, or those that have a great idea for an app but haven't programmed since school. Many people have a difficult time believing they can learn to write iOS apps. Swift 5 for Absolute Beginners will show you how to do so. You'll learn Object-Oriented Programming (OOP) and be introduced to User Interface (UI) design following Apple's Human Interface Guidelines (HIG) using storyboards and the Model-View-Controller (MVC) pattern before moving on to write your own iPhone and Apple Watch apps from scratch. What You'll Learn Work with Swift classes, properties, and functions Examine proper User Interface (UI) and User Experience (UX) design Understand Swift data types: integers, floats, strings, and booleans Use Swift data collections: arrays and dictionaries Review Boolean logic, comparing data, and flow control Use the Xcode debugger to troubleshoot problems with your apps Store data in local app preferences and Core Data databases Who This Book Is For Anyone who wants to learn to develop apps for the Mac, iPhone, iPad, and Apple Watch using the Swift programming language. No previous programming experience is necessary.

Summary Now updated for Swift 5! Swift is more than just a fun language to build iOS applications with. It features a host of powerful tools that, if effectively used, can help you create even better apps with clean, crystal-clear code and awesome features. Swift in Depth is designed to help you unlock these tools and quirks and get developing next-gen apps, web services, and more! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology It's fun to create your first toy iOS or Mac app in Swift. Writing secure, reliable, professional-grade software is a different animal altogether. The Swift language includes an amazing set of high-powered features, and it supports a wide range of programming styles and techniques. You just have to roll up your sleeves and learn Swift in depth. About the Book Swift in Depth guides you concept by concept through the skills you need to build professional software for Apple platforms, such as iOS and Mac; also on the server with Linux. By following the numerous concrete examples, enlightening explanations, and engaging exercises, you'll finally grok powerful techniques like generics, efficient error handling, protocol-oriented programming, and advanced Swift patterns. Author Tjeerd in't Veen reveals the high-value, difficult-to-discover Swift techniques he's learned through his own hard-won experience. What's inside Covers Swift 5 Writing reusable code with generics Iterators, sequences, and collections Protocol-oriented programming Understanding map, flatMap, and compactMap Asynchronous error handling with Result Best practices in Swift About the Reader Written for advanced-beginner and intermediate-level Swift programmers. About the Author Tjeerd in't Veen is a senior software engineer and architect in the mobile division of a large international banking firm. Table of Contents Introducing Swift in depth Modeling data with enums Writing cleaner properties Making optionals second nature Demystifying initializers Effortless error handling Generics Putting the pro in protocol-oriented programming Iterators, sequences, and collections Understanding map, flatMap, and compactMap Asynchronous error handling with Result Protocol extensions Swift patterns Delivering quality Swift code Where to Swift from here

Summary iOS Development with Swift is a hands-on guide to creating apps for iPhone and iPad using the Swift language. Inside, you'll be guided through every step of the process for building an app, from first idea to App Store. This book fully covers Swift 4, Xcode 9, and iOS 11. Our video course, iOS Development with Swift in Motion, is the perfect companion to this book, featuring even more projects and examples for you to dig into in the exciting world of iOS development. Find out more at our website: www.manning.com/livevideo/ios-development-with-swift/ Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology One billion iPhone users are waiting for the next amazing app. It's time for you to build it! Apple's Swift language makes iOS development easier than ever, offering modern language features, seamless integration with all iOS libraries, and the top-notch Xcode development environment. And with this book, you'll get started fast. About the Book iOS Development with Swift is a hands-on guide to creating iOS apps. It takes you through the experience of building an app—from idea to App Store. After setting up your dev environment, you'll learn the basics by experimenting in Swift playgrounds. Then you'll build a simple app layout, adding features like animations and UI widgets. Along the way, you'll retrieve, format, and display data; interact with the camera and other device features; and touch on cloud and networking basics. What's Inside Create adaptive layouts Store and manage data Learn to write and debug Swift code Publish to the App Store Covers Swift 4, Xcode 9, and iOS 11 About the Reader Written for intermediate web or mobile developers. No prior experience with Swift assumed. About the Author Craig Grummitt is a successful developer, instructor, and mentor. His iOS apps have had over 100,000 downloads combined! Table of Contents PART 1 - INTRODUCING XCODE AND SWIFT Your first iOS application Introduction to Swift playgrounds Swift objects PART 2 - BUILDING YOUR INTERFACE View controllers, views, and outlets User interaction Adaptive layout More adaptive layout Keyboard notifications, animation, and scrolling PART 3 - BUILDING YOUR APP Tables and navigation Collections, searching, sorting, and tab bars Local data persistence Data persistence in iCloud Graphics and media Networking Debugging and testing PART 4 - FINALIZING YOUR APP Distributing your app What's next?

Exploring the iPhone SDK

Apple Game Frameworks and Technologies

iOS Apprentice

Swift For Dummies

Pro iPhone Development with Swift UI

Augmented Reality App Development for iOS

Summary Do you have a fantastic idea for an iPhone app but no idea how to bring it to life? Great news! With the right tools and a little practice, anyone can create an app. This book will get you started, even if you've never written a line of computer code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Anyone Can Create an App begins with the basics by introducing programming concepts, the Swift language, and the tools you'll need to write iOS apps. As you explore the interesting examples, illuminating illustrations, and crystal-clear step-by-step instructions, you'll learn to: Get started programming, no experience necessary! Add controls like text boxes and buttons Keep track of your favorite things by creating the Like It or Not (LiON) app By the end, you'll be able to create and run your own apps, and you'll have the confidence to learn more on your own. The book is updated for Swift 3. About the Reader This book is written especially for non-programmers - no experience needed! About the Author Wendy Wise has an extensive background in mobile and application development and has worked with several Fortune 500 companies. In her 17-year technical career, Wendy has served as a senior director of software development, a senior product manager for international mobile applications, and a hands-on developer for web and mobile technologies, among many other technical roles. Wendy fully embraces her nerd/geek side, as you'll find out as you read this book. In her spare time, she enjoys beer, coffee, photography, camping, and being outdoors. Table of Contents PART 1 - YOUR VERY FIRST APP Getting started Building your first app Your first app, explained Learning more about your development tools: Xcode Capturing users' actions: adding buttons The button app, explained Capturing user input: adding text boxes Playing on the Playground PART 2 - THE KEYS TO THE CITY: UNDERSTANDING KEY DEVELOPMENT CONCEPTS Go with the flow, man! Controlling the flow of your app While you're doing that... Collections Telling stories with storyboards ViewControllers in depth Put it on my tab: creating tab bars Table views: more than a coffee table picture book Patterns: learning to sew PART 3 - CREATING THE LIKE IT OR NOT APP Putting it all together: the LiON app Adding data to your LiON app Displaying details of your LiON app Creating the details of the detail view The AddEditView scene Delegates are everywhere Editing LiONs Saving LiONs

Making your LiON prettier Working with Auto Layout Search your LiONs Learn iPhone and iPad Programming via Tutorials! If you're new to iOS or 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 four engaging, epic-length 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, UIKit 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, which supports both Dark and Light appearances, for iPhone and iPad that lets you search for products on the iTunes store using HTTP requests and JSON.

If you've already learned the basics of Swift and iOS programming, it's time to take your skills to the next level. In this follow-up work to the best-selling Beginning iPhone Development with Swift, you'll learn tips for organizing and debugging Swift code, using multi-threaded programming with Grand Central Dispatch, passing data between view controllers, and designing apps for multiple languages. You'll also see how to play audio and video files, access the camera and save pictures to the Photos library, use location services to pinpoint your position on a map, display web pages, and create animation to spice up any user interface. Finally, you'll learn how to use Apple's advanced frameworks for machine learning, facial and text recognition, and creating augmented reality apps. Pro iPhone Development with Swift 5 provides insightful instruction on how to improve your existing apps or create powerful new iOS apps using the latest version of the Swift programming language. What You Will Learn Save and retrieve data when apps close or get pushed in the background Recognize speech with Apple's advanced frameworks Create augmented reality apps Understand spoken commands with Siri Who This Book is For Aspiring iOS app developers familiar with the Apple Swift programming language and/or the iOS SDK, but ready to move to the next level.

If you're grounded in the basics of Swift, Xcode, and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and add features from iOS frameworks. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens of interface Master interface classes for scroll views, table views, collection views, text, popovers, split views, web views, and controls Dive into frameworks for sound, video, maps, and sensors Access user libraries: music, photos, contacts, and calendar Explore additional topics, including files, networking, and threads Stay up-to-date on iOS 14 innovations, such as: Control action closures and menus Table view cell configuration objects Collection view lists and outlines New split view controller architecture Pointer customization on iPad New photo picker and limited photos authorization Reduced accuracy location Color picker, new page control behavior, revised date pickers, and more! Want to brush up on the basics? Pick up iOS 14 Programming Fundamentals with Swift to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 14, you'll gain a solid, rigorous, and practical understanding of iOS 14 development.

Build 2D Games with SpriteKit and Swift

Exploring the iOS SDK

Beginning iPhone Development with Swift 5

iOS Development with Swift

Beginning iPhone 3 Development

Swift 5 for Absolute Beginners

Are you a programmer looking for a new challenge? Does the thought of building your very own iPhone app make your heart race and your pulse quicken? If so, Beginning iPhone 3 Development: Exploring the iPhone SDK is just the book for you. Updated and revised for iPhone SDK 3, many of the discussions in the original book have been clarified to make some of the more complex topics easier to understand. In addition, all of the projects have been rebuilt from scratch using the SDK 3 templates. For the latest version of this book for Swift, see Beginning iPhone Development with Swift, ISBN 978-1-4842-0410-8. For the latest version of this book for Objective-C, see Beginning iPhone Development: Exploring the iOS SDK, ISBN 978-1-4842-0200-5. Assuming only a minimal working knowledge of Objective-C, and written in a friendly, easy-to-follow style, this book offers a complete soup-to-nuts course in iPhone and iPod touch programming. The book starts with the basics, walking you through the process of downloading and installing Apple's free iPhone SDK, and then stepping you through the creation of your first simple iPhone application. From there, you'll learn to integrate all the interface elements iPhone users have come to know and love, such as buttons, switches, pickers, toolbars, and sliders. You'll master a variety of design patterns, from the simplest single view to complex hierarchical drill-downs. The confusing art of table building will be demystified, and you'll see how to save your data using the iPhone file system. You'll also learn how to save and retrieve your data using SQLite, iPhone's built-in database management system. In addition, you'll also learn about Core Data, an important persistence mechanism that has just been added with SDK 3. And there's much more! You'll learn to draw using Quartz 2D and OpenGL ES, add multitouch gestural support (pinches and swipes) to your applications, and work with the camera, photo library, accelerometer, and built-in GPS. You'll discover the fine points of application preferences and learn how to localize your apps for multiple languages. You can discover more about this book, download source code, and find support forums at the book's companion site, at www.iphonedevbook.com. The iPhone 3 update to the best-selling and most recommended book for iPhone developers Packed full of tricks, techniques, and enthusiasm for the new SDK from a developer perspective The most complete, useful, and up-to-date guide to all things having to do with Apple's iPhone SDK

If you've got incredible iOS ideas, get this book and bring them to life! iOS 7 represents the most significant update to Apple's mobile operating system since the first iPhone was released, and even the most seasoned app developers are looking for information on how to take advantage of the latest iOS 7 features in their app designs. That's where iOS App Development For Dummies comes in! Whether you're a programming hobbyist wanting to build an app for fun or a professional developer looking to expand into the iOS market, this book will walk you through the fundamentals of building a universal app that stands out in the iOS crowd. Walks you through joining Apple's developer program, downloading the latest SDK, and working with Apple's developer tools Explains the key differences between iPad and iPhone apps and how to use each device's features to your advantage Shows you how to design your app with the end user in mind and create a fantastic user experience Covers using nib files, views, view controllers, interface objects, gesture recognizers, and much more There's no time like now to

tap into the power of iOS – start building the next big app today with help from iOS App Development For Dummies!

Beginning iPhone Development with Swift 4

Beginning iPhone Development

Pro iPhone Development with Swift 4

iOS 14 Programming for Beginners

A Playful Introduction to Swift

Beginning ARKit for iPhone and iPad