

Ios 8 Programming Fundamentals With Swift Swift Xcode And Cocoa Basics

Migrating to Swift From Web Development gives you the ability to create native iOS apps using the latest Swift programming language. Starting with preparing your latest Xcode 6 Integrated Development Environment and introducing just enough iOS application framework fundamentals, you'll understand how to create a simple but meaningful Hello Swift application for iOS 8 immediately. After the short IDE setup guide, this book will show you how to structure your iOS project from an existing mobile web app. Every topic comes with a tutorial project that you will create by yourself. You'll plan and structure your iOS apps using Xcode Storyboard, implementing use cases with detailed screens, and learn about managing data and working with remote services. Finally, you'll experience a recap of the whole porting process by translating a mobile web app to iOS 8 from start to end. When you finish reading Migrating to Swift from Web Development, you'll be an iOS developer as well as a front-end web developer.

"The video is a fun-filled and engaging guide for those who are new to iOS programming and want to gain a good understanding of core iOS techniques to build applications with the Swift programming language. This guide will not only dwell into iOS concepts but also lay a strong foundation for Swift programming. It starts off by helping you quickly get acclimatized to iOS programming by building and deploying a small but interesting app. Next, you will move on to core Swift programming language topics such as variables, different types, and code patterns used in iOS. Once the fundamentals are in place, you will develop advanced programming skills, finding out about important iOS components and concepts such as Xcode 8, Core iOS, and Cocoa Touch frameworks. The core topics covered in the video are: Storyboards View controllers and Navigation Core Data Adding functionalities such as images, contacts, calendar, messages, location services, and more."--Resource description page.

The iOS 8 SDK changes everything. New programming language, new ways to work with other apps, new tools to do cool stuff. In a world of iPhones and iPads, it's a great time to make a fresh start developing apps for the platform. This book guides you through the state of the art of iOS development, including the radically overhauled Xcode 6 toolchain, the iOS 8 SDK, and the new iPhone 6 and iPhone 6 Plus. Entirely rewritten to use Apple's new Swift programming language, this book will take you through the fundamentals of writing apps that are responsive, adaptive, practical, and exciting. Whether you're starting out or starting over, iOS 8 has set developers on a new path. With a capable and practical new programming language, a wide variety of new features and frameworks, and a new spirit of openness and connectivity, it's a long way from the locked-down, webapps-only original iPhone. iOS 8 SDK Development is a practical guide to the essentials of developing for iOS 8. You'll start building and revising a real app that's written entirely in Apple's new Swift programming language. You'll send network requests and handle the responses, build from one screen to many, adapt from the close confines of the iPhone screen to the wide expanse of the iPad, and accommodate the big iPhone 6 in between. You'll master the fundamentals of keeping apps responsive with Grand Central Dispatch, organize your logic into View Controllers, delight users with multi-touch gestures and photo manipulation, and offer services to other apps through iOS 8 Extensions. You'll also learn the fine arts of testing, debugging, and the care and feeding of your app before submitting to the App Store--and after it's in the public's hands. The iOS 8 SDK changes everything. Change with it. It's only getting better. What You Need: This title covers the iOS 8 SDK and Xcode 6. Readers will need a Mac with OS X 10.9 (Mavericks), or later, and Xcode 6 (free from the Mac App Store).

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. Stay up-to-date on iOS 9 innovations, such as the new layout constraint notation, expanded UIKit dynamics, revised unwind segues, iPad multitasking, and the Contacts framework. All example code is available on GitHub for you to download, study, and run. Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple interface screens Master interface classes for scroll views, table 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 Understand further topics, including files, networking, and threads

Migrating to Swift From Web Development gives you the ability to create native iOS apps using the latest Swift programming language. Starting with preparing your latest Xcode 6 Integrated Development Environment and introducing just enough iOS application framework fundamentals, you'll understand how to create a simple but meaningful Hello Swift application for iOS 8 immediately. After the short IDE setup guide, this book will show you how to structure your iOS project from an existing mobile web app. Every topic comes with a tutorial project that you will create by yourself. You'll plan and structure your iOS apps using Xcode Storyboard, implementing use cases with detailed screens, and learn about managing data and working with remote services. Finally, you'll experience a recap of the whole porting process by translating a mobile web app to iOS 8 from start to end. When you finish reading Migrating to Swift from Web Development, you'll be an iOS developer as well as a front-end web developer. What you'll learn Swift language and Xcode 6 fundamentals Common mobile screen navigation patterns User Interface components and animations How to store data How to use remote services with your app Who this book is for Front-end web developers, mobile web developers, and JavaScript developers wanting to learn native iOS development with Swift. Table of Contents Part 1: Prepare Your Tools Chapter 1: Setting Up the Development Environment Chapter 2: iOS Programming Basics Part 2: A Roadmap for Porting Chapter 3: Structure Your App Chapter 4: Implement Piece by Piece Part 3: Finishing Touches Chapter 5: Pulling It All Together Chapter 6: Bonus Chapter -- Hybrid Apps

Apple's Swift is a powerful, beginner-friendly programming language that anyone can use to make cool apps for the iPhone or iPad. In Coding iPhone Apps for Kids, you'll learn how to use Swift to write programs, even if you've never programmed before. You'll work in the Xcode playground, an interactive environment where you can play with your code and see the results of your work immediately! You'll learn the fundamentals of programming too, like how to store data in arrays, use conditional statements to make decisions, and create functions to organize your code—all with the help of clear and patient explanations. Once you master the basics, you'll build a birthday tracker app so that you won't forget anyone's birthday and a platform game called Schoolhouse Skateboarder with animation, jumps, and more! As you begin your programming adventure, you'll learn how to: –Build programs to save you time, like one that invites all of your friends to a party with just the click of a button! –Program a number-guessing game with loops to make the computer keep guessing until it gets the right answer –Make a real, playable game with graphics and sound effects using SpriteKit –Challenge players by speeding up your game and adding a high-score system Why should serious adults have all the fun? Coding iPhone Apps for Kids is your ticket to the exciting world of computer programming. Covers Swift 3.x and Xcode 8.x. Requires OS X 10.11 or higher.

The professional programmer's Deitel® guide to Apple's new Swift programming language for the iOS® and OS X® platforms ¿ Written for programmers with a background in object-oriented programming in a C-based language like Objective-C, Java, C# or C++, this book applies the Deitel signature live-code approach with scores of complete, working, real-world programs to explore the new Swift language in depth. The code examples feature syntax shading, code highlighting, rich commenting, line-by-line code walkthroughs and live program outputs. The book features thousands of lines of proven Swift code, and tips that will help you build robust applications. ¿ Start with an introduction to Swift using an early classes and objects approach, then rapidly move on to more advanced topics. When you master the material, you'll be ready to build industrial-strength object-oriented Swift applications. About This Book ¿ The Swift™ programming language was arguably the most significant announcement at Apple's 2014 Worldwide Developers Conference. Although apps can still be developed in Objective-C®, Apple

concepts to help you obtain the basic skills Swift. You will learn a few concepts of how to build better IOS apps and so forth. Swift language is one of the best to get started in building apps. In this book, you will learn: Step by step instructions on building apps Sample XCode projects Basic Introduction to Swift A study of Swift Arrays A tour of Swift Classes, Structures and Enumeration The power of Swift functions Implementation of Control Statements in Swift If you have been looking forward to learning how to write apps for the Apple OS, grab a copy of this book today to help you begin your journey. What are you waiting for?

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode IDE, the Cocoa Touch framework, and Swift{u2014}Apple{u2019}s new programming language. With this thoroughly updated guide, you{u2019}ll learn Swift{u2019}s object-oriented concepts, understand how to use Apple{u2019}s development tools, and discover how Cocoa provides the underlying functionality iOS apps need to have. Explore Swift{u2019}s object-oriented concepts: variables and functions, scopes and namespaces, object types and instances Become familiar with built-in Swift types such as numbers, strings, ranges, tuples, Optionals, arrays, and dictionaries Learn how to declare, instantiate, and customize Swift object types{u2014}enums, structs, and classes Discover powerful Swift features such as protocols and generics Tour the lifecycle of an Xcode project from inception to App Store Create app interfaces with nibs and the nib editor, Interface Builder Understand Cocoa{u2019}s event-driven model and its major design patterns and features Find out how Swift communicates with Cocoa{u2019}s C and Objective-C APIs Once you master the fundamentals, you{u2019}ll be ready to tackle the details of iOS app development with author Matt Neuburg{u2019}s companion guide, Programming iOS 8.

Learn iOS 8 App Development is both a rapid tutorial and a useful reference. You'll quickly get up to speed with Swift, Cocoa Touch, and the iOS 8 SDK. It's an all-in-one getting started guide to building useful apps. You'll learn best practices that ensure your code will be efficient and perform well, earning positive reviews on the iTunes App Store, and driving better search results and more revenue. The iOS 8 SDK offers powerful new features, and this book is the fastest path to mastering them—and the rest of the iOS SDK—for programmers with some experience who are new to iPhone and iPad app development. Many books introduce the iOS SDK, but few explain how to develop apps optimally and soundly. This book teaches both core Swift language concepts and how to exploit design patterns and logic with the iOS SDK, based on Swift and the Cocoa Touch framework. Why spend months or years discovering the best ways to design and code iPhone and iPad apps when this book will show you how to do things the right way from the start? Get an accelerated treatment of the core fundamentals of Swift. Develop your first app using Xcode's advanced interface design tools. Build your first iPhone app using the code that you're given as you walk through this book. Finally, debug and distribute your first app on Apple's iTunes App Store. Learn how to create apps for any model of iPhone, the iPod Touch, the iPad, or build universal apps that run on all of them. After reading this book, you'll be creating professional quality apps, ready to upload to the app store, making you the prestige and the money you seek!

Objective-C Programmer's Reference provides the tools necessary to write software in Objective-C—the language of choice for developing iOS and OS X applications. Author Carlos Oliveira begins from the basic building blocks of the language. He shows how to create correct and efficient applications by applying your knowledge of object-oriented and structured programming. This book: Takes you quickly through fundamental concepts such as interfaces and class implementations. Provides a concise reference to the Foundation Framework that is all-important when programming in Objective-C. Highlights key differences between Objective-C and other popular languages such as Java or Python. Provides the fundamentals of Cocoa and Cocoa Touch, which are the standard for OS X and iOS development.

Objective-C Programmer's Reference makes extensive use of concepts already mastered by developers who are fluent in other languages such as C++, Java, Perl, and Python. The author's approach is logical and structured, and even novice developers will have an easy time absorbing the most important topics necessary to program in Objective-C. Objective-C Programmer's Reference is a book for professional developers in Objective-C, or those who are moving to Objective-C from other languages. The book is written for readers who lack the time to invest in more traditional books, which usually spend hundreds of pages to explain concepts that are part of the working programmer's standard vocabulary. What you'll learn Grasp the basic syntax of the Objective-C language. Create classes and methods in Objective-C. Apply Objective-C's message-passing mechanism to simplify your code and avoid deep class hierarchies. Store and access dynamic data through Objective-C's built-in, key-value system. Make effective use of container classes such as arrays and dictionaries with their immutable and mutable versions. Create simple applications for iPhones, iPads, Macbooks, and other iOS and Mac OS X devices. Who this book is for Objective-C Programmer's Reference is for programmers in Objective-C who are looking for a handy reference to keep them on top of their game. The book is also designed for programmers moving to Objective-C from some other language, especially from another C-like language such as Java or C#, providing just that additional bit that is needed to transfer their expertise into Objective-C and get a leg up on creating applications for the iOS and OS X platforms underlying Apple's hugely successful devices such as the iPhone, iPad, and Macbook. Table of ContentsPart I: The Language 1. The C in Objective-C 2. Classes 3. Strings and Container Classes 4. Protocols and Categories 5. Inheritance 6. Block Syntax 7. Dynamic Binding 8. Memory Management 9. Key-Value Programming 10. The Filesystem Part II: Reference 11. The Foundation Framework Part III: The Tools 12. The Compiler 13. The Preprocessor 14. Unit Test 15. Debugging Part IV: Writing Apps for OS X and iOS 16. Cocoa Framework Example 17. Cocoa Touch Example

"In these two LiveLessons videos, Paul Deitel presents everything you need to know to become an expert iOS programmer using the Swift programming language. In Swift Fundamentals LiveLessons, Deitel teaches core Swift programming concepts through his signature "live code" approach. In iOS 8 App Development Fundamentals LiveLessons, Deitel uses an app-driven approach each new technology is discussed in the context of seven fully tested

iOS 8 apps."--Resource description page.

This book covers iOS 10 app design fundamentals using the latest Swift 3 programming language, Xcode 8 and iOS 10 SDK. The author assumes you have no experience in app development. The book starts with the installation of the required programming environment and setting up the simulators. Then, the simplest Hello World app is developed step by step. In the next chapter, basics of the Swift 3 programming language are given with practical examples. Screenshots and code snippets are clearly given in the book to guide the reader. After the Swift lecture, 7 complete apps (including a 2D game) are developed in separate chapters. As the reader follows the development of the example apps, he/she will learn designing user interfaces, connecting interface objects to code, developing efficient Swift code and testing the app on simulators and real devices. Chapters of the book and the contents of these chapters are as follows: Chapter 1. Introduction: General info and the steps of developing an iOS app. Chapter 2. Setting up your development environment: Installing Xcode, setting up signing identities, viewing/adding simulators and real devices. Chapter 3. Test drive - the "Hello World" app: Creating a new Xcode project, adding and positioning user interface objects, building the project, running the developed app on the simulator and on the real device. Chapter 4. Swift programming language: Variables, constants, optionals, arrays, dictionaries, sets, if-else and switch-case decision making statements, for and while loops, functions, classes, objects and inheritance in Swift 3. Each concept is clearly explained step by step with code examples and screenshots. Chapter 5. Disco lights app: Using buttons and connecting actions to buttons in the code. Chapter 6. Body mass index (BMI) calculator app: Using input boxes, performing calculations and displaying the results on the screen. Chapter 7. Simple die roller app: Using random number generator functions, including image sets in your project, displaying images on the screen and changing the displayed image using Swift code. Chapter 8. Exercise calorie calculator app: Using global variables, creating tabbed apps and utilizing segmented controls. Chapter 9. Show my location app: Adding a map object to your app, setting required permissions, accessing GPS device and showing real time location on the map. Chapter 10. S.O.S. sender app: Adding SMS functionality, setting required permissions and sending real time location using SMS. Chapter 11. Bounce the ball game: Basics of SpriteKit that is used to develop 2D iOS games, adding objects to the game, sensing screen touches, moving game objects according to touches, combining all these and more to develop a complete 2D game. This book includes 212 figures and 101 code snippets that are used to explain app development concepts clearly. Full resolution colour figures and project files can be viewed and downloaded from the the book's companion website: ios-swift.net.

"In Swift Fundamentals LiveLessons, Paul Deitel teaches core Swift programming concepts through his signature "live code" approach. Rather than using code snippets, Deitel presents concepts in the context of complete working Swift programs that run on iOS 8 and OS X."--Resource description page.

The professional programmer's Deitel® guide to iPhone® and iPad® app development using iOS® 8, Swift™, Xcode® 6, and Cocoa Touch® This book presents leading-edge computing technologies for professional software developers. At the heart of the book is the Deitel "app-driven approach"—a variant of Deitel's live-code approach—concepts are presented in the context of complete working iOS apps, rather than using code snippets. The introduction and app test drives at the beginning of each chapter show one or more sample executions. The book's source code is available at: www.deitel.com/books/iOS8FP1. You'll quickly learn everything you need to start building iOS 8 apps—beginning with a test-drive of the Tip Calculator app in Chapter 1, then building your first apps in Chapter 2 with visual programming and in Chapter 3 with Swift. By the time you reach Chapter 9, you'll be ready to create your own apps for submission to the App Store. We'll overview the submission process, including uploading your apps, deciding whether to sell your apps or offer them for free, and marketing them using in-app advertising, social media, Internet public relations and more.

"Billions of apps have been downloaded from Apple's App Store! This LiveLesson gives you everything you'll need to start developing great iOS 8 apps quickly using Swift--Apple's programming language of the future. The video uses an app-driven approach--each new technology is discussed in the context of seven fully tested iOS 8 apps (three apps in Part I and four apps in Part II)."--Resource description page.

This book covers iOS 13 app design fundamentals using the latest Swift 5.1 programming language, Xcode 11 and iOS 13.1 SDK. The author assumes you have no experience in app development. The book starts with the installation of the required programming environment and setting up the simulators. Then, the simplest Hello World app is developed step by step. In the next chapter, basics of the Swift 5 programming language are given with practical examples. Screenshots and code snippets are clearly given in the book to guide the reader. After the Swift lecture, 7 complete apps (including a 2D game) are developed in separate chapters. As the reader follows the development of the example apps, he/she will learn designing user interfaces, connecting interface objects to code, developing efficient Swift code and testing the app on simulators and real devices. Chapters of the book and the contents of these chapters are as follows: Chapter 1. Introduction: General info and the steps of developing an iOS app. Chapter 2. Setting up your development environment: Installing Xcode, setting up signing identities, viewing/adding simulators and real devices. Chapter 3. Test drive - the Hello World: Creating a new Xcode project, adding and positioning user interface objects, building the project, running the developed app on the simulator and on the real device. Chapter 4. Swift programming language: Variables, constants, optionals, arrays, dictionaries, sets, if-else and switch-case decision making statements, for and while loops, functions, classes, objects and inheritance in Swift 5. Each concept is clearly explained step by step with code examples and screenshots. Chapter 5. Disco lights app: Using buttons and connecting actions to buttons in the code. Chapter 6. Body mass index (BMI) calculator app: Using input boxes, performing calculations and displaying the results on the screen. Chapter 7. Simple die roller app: Using random number generator functions, including image sets in your project, displaying images on the screen and changing the displayed image using Swift code. Chapter 8. Exercise calorie calculator app: Using global variables, creating tabbed apps and utilizing segmented controls. Chapter 9. Show my

location app: Adding a map object to your app, setting required permissions, accessing GPS device and showing real time location on the map. Chapter 10. S.O.S. sender app: Adding SMS functionality, setting required permissions and sending real time location using SMS. Chapter 11. Bounce the ball game: Basics of SpriteKit that is used to develop 2D iOS games, adding objects to the game, sensing screen touches, moving game objects according to touches, combining all these and more to develop a complete 2D game. This book includes 212 figures and 101 code snippets that are used to explain app development concepts clearly. Full resolution colour figures and project files can be viewed and downloaded from the book's companion website: www.yamaclis.com/ios13swift5

And Conclusion Chapter 2. Functions; Function Parameters and Return Value; Void Return Type and Parameters; Function Signature; External Parameter Names; Overloading; Default Parameter Values; Variadic Parameters; Ignored Parameters; Modifiable Parameters; Function In Function; Recursion; Function As Value; Anonymous Functions; Define-and-Call; Closures; How Closures Improve Code; Function Returning Function; Closure Setting a Captured Variable; Closure Preserving Its Captured Environment; Curried Functions; Chapter 3. Variables and Simple Types; Variable Scope and Lifetime.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode IDE, the Cocoa Touch framework, and Swift 3—the latest version of Apple's acclaimed programming language. With this thoroughly updated guide, you'll learn Swift's object-oriented concepts, understand how to use Apple's development tools, and discover how Cocoa provides the underlying functionality iOS apps need to have. Explore Swift's object-oriented concepts: variables and functions, scopes and namespaces, object types and instances Become familiar with built-in Swift types such as numbers, strings, ranges, tuples, Optionals, arrays, dictionaries, and sets Learn how to declare, instantiate, and customize Swift object types: enums, structs, and classes Discover powerful Swift features such as protocols and generics Catch up on Swift 3 innovations: revised APIs, new Foundation bridged types, and more Tour the lifecycle of an Xcode project from inception to App Store—including Xcode's new automatic code signing and debugging features Construct app interfaces with the nib editor, Interface Builder Understand Cocoa's event-driven model and its major design patterns and features Find out how Swift communicates with Cocoa's C and Objective-C APIs Once you master the fundamentals, you'll be ready to tackle the details of iOS app development with author Matt Neuburg's companion guide, *Programming iOS 10*.

Overview The professional programmer's Deitel® video guide to iPhone® and iPad® app development using iOS® 8, Swift™, Xcode® 6, and Cocoa Touch®. Description Billions of apps have been downloaded from Apple's App Store! This LiveLesson gives you everything you'll need to start developing great iOS 8 apps quickly using Swift Apple's programming language of the future. The video uses an app-driven approach each new technology is discussed in the context of seven fully tested iOS 8 apps (three apps in Part I and four apps in Part II). This LiveLesson has two parts: • iOS 8 App Development Fundamentals with Swift LiveLessons Part I • iOS 8 App Development Fundamentals with Swift LiveLessons Part II About the Instructor Paul J. Deitel , CEO and Chief Technical Officer of Deitel & Associates, Inc., is a graduate of MIT, where he studied Information Technology. He holds the Sun (now Oracle) Certified Java Programmer and Certified Java Developer certifications, and is an Oracle Java Champion. Through Deitel & Associates, Inc., he has delivered Java, C#, Visual Basic, C++, C and Internet programming courses to industry clients, including Cisco, IBM, Sun Micro systems, Dell, Siemens, Lucent Technologies, Fidelity, NASA at the Kennedy Space Center, the National Severe Storm Laboratory, White Sands Missile Range, Rogue Wave Software, Boeing, SunGard Higher Education, Stratus, Cambridge Technology Partners, One Wave, Hyperion Software, Adra Systems, Entergy, CableData Systems, Nortel Networks, Puma, iRobot, Invensys and many more. He and his co-author, Dr. Harvey M. Deitel, are the world's best-selling programming-language textbook/professional book authors. Skill Level Beginner-to-intermediate app developers who are familiar with a C-based object-oriented programming language What You'll Learn Begin by setting up your Mac for iOS app development with the Swift programming language. Next, you'll get an overview of the Xcode IDE as you test-drive the Tip Calculator app (which you'll build in Lesson 3). In Lesson 2, without writing any code, you'll build a universal app using Xcode's Interface Builder and drag-and-drop UI design; then you'll make the app accessible for people with visual impairments and localize it to display text in English or Spanish. In Lesson 3 you'll build the interactive Tip Calculator app, using Apple's new Swift programming language to write the code that responds to user interactions and programmatically updates the user interface (U...

Are you searching for the fast track in learning iPhone programming? Do you have an iPhone or iPad app idea that you know will change the world, but you don't know where to get started in the code? Do you look at iPhone code and feel that it boggles your mind? I can help you! This book, along with the companion screencast videos and source code will accelerate you faster and farther than any other iPhone learning material available! Do not wait a moment longer.

Download the screencast videos, instantly available to you at: <http://iPhoneYo.com> Get started tonight in your adventure to Change the World! About the Author Greg Wientjes, Ph.D., was awarded his Stanford doctoral degree in 2010, along with his Master's of Science in Electrical Engineering (2006) and his Bachelor of Science degree in Mathematics (2004), both from Stanford. Dr. Wientjes learned iPhone programming through coursework at Stanford University and reading books. Wientjes discovered that a much faster way to learn iPhone programming is watching and mimicking expert developers coding on screencast videos. Wientjes launched his own screencast videos at: <http://iPhoneYo.com> Please do purchase the companion screencasts and source code associated with this book. Your contributions will deeply assist my ability to provide future content and knowledge resources. Purchase the Screencasts at: <http://gum.co/oXXr> Starting Content; 26 videos, 6 hours <http://gum.co/nRJo> Advanced Content; 11 videos, about 2 hours Download the Source Code at: <http://gum.co/lqgx> Visit <http://www.iPhoneYo.com> for updates on the screencast videos. Content covered in this book and companion screencast videos:- Xcode and the iPhone and iPad Simulator- Objective-C programming fundamentals-

Programming with objects, variables, properties, and custom classes- Linking User Interface components to code, e.g., date picker- Delegation- Troubleshooting your code- Debugging on Xcode- Table Views, including display of an image and cell customization- Data saving and loading within an app- iPad application creation- Developing iPad applications with popovers and split views- Building app icons and starting imagesProduct Information: <http://iPhoneYo.com> iPhone Programming Screencasts + Advanced Screencasts.Author: Greg Wientjes, PhDSubject: iPhone and iPad Mobile App Software DevelopmentSoftware: iOS 6, Xcode 4Level: NoviceDuration: 8:26:55Videos: 35Released: March 29, 2013 Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode IDE, the Cocoa Touch framework, and Swift—Apple’s new programming language. With this thoroughly updated guide, you’ll learn Swift’s object-oriented concepts, understand how to use Apple’s development tools, and discover how Cocoa provides the underlying functionality iOS apps need to have. Explore Swift’s object-oriented concepts: variables and functions, scopes and namespaces, object types and instances Become familiar with built-in Swift types such as numbers, strings, ranges, tuples, Optionals, arrays, and dictionaries Learn how to declare, instantiate, and customize Swift object types—enums, structs, and classes Discover powerful Swift features such as protocols and generics Tour the lifecycle of an Xcode project from inception to App Store Create app interfaces with nibs and the nib editor, Interface Builder Understand Cocoa’s event-driven model and its major design patterns and features Find out how Swift communicates with Cocoa’s C and Objective-C APIs Once you master the fundamentals, you’ll be ready to tackle the details of iOS app development with author Matt Neuburg’s companion guide, Programming iOS 8.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 9 IDE, Cocoa Touch, and the latest version of Apple’s acclaimed programming language, Swift 4. With this thoroughly updated guide, you’ll learn the Swift language, understand Apple’s Xcode development tools, and discover the Cocoa framework. Explore Swift’s object-oriented concepts Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the lifecycle of an Xcode project Learn how nibs are loaded Understand Cocoa’s event-driven design Communicate with C and Objective-C Once you master the fundamentals, you’ll be ready to tackle the details of iOS app development with author Matt Neuburg’s companion guide, Programming iOS 12.

IOS 8 Programming Fundamentals with Swift

Updated for Xcode 11, Swift 5, and iOS 13, iOS Programming: The Big Nerd Ranch Guide leads you through the essential concepts, tools, and techniques for developing iOS applications. After completing this book, you will have the know-how and the confidence you need to tackle iOS projects of your own. Based on Big Nerd Ranch’s popular iOS training and its well-tested materials and methodology, this bestselling guide teaches iOS concepts and coding in tandem. The result is instruction that is relevant and useful. Throughout the book, the authors explain what’s important and share their insights into the larger context of the iOS platform. You get a real understanding of how iOS development works, the many features that are available, and when and where to apply what you’ve learned.

An insider’s guide to programming distributed objects using all of CORBA 3’s powerful new services and facilities Building on a new component-based architecture, more robustJava and Internet integration, asynchronous invocation modes, and quality-of-service control, CORBA 3 makes distributed programming more powerful and productive than ever before. In this Second Edition of the bestselling guide to CORBA programming, an OMG insider shows architects and programmers how to make the most of all of these features. Author and editor Jon Siegel: * Starts with an overview of CORBA, including all of the features added * with details of the Object Management Architecture’s CORBAservices and CORBAfacilities, including specifications in the CORBAdomains * Walks you through a tutorial presentation of a real-world distributed CORBA application working the same example on 11 ORBs in the key enterprise programming languages C++, Java, and COBOL On the CD-ROM you’ll find almost everything you need to build and run the example (except a computer, of course): * The IDL files (identical for all ORBs and languages) * All source code in C++ , Java, and COBOL * Makefiles for every ORB discussed * Sample ORBs and development environments Contributors include: Dan Frantz, BEA Systems, Inc. Patrick Ryan, Expersoft Corp. Virgil Albaugh, IBM Corp. Michael Cheng, IBM Corp. Alan Conway, IONA Technologies PLC Jim O’Leary, IONA Technologies PLC Frederic Desjarlais, Inprise Corp. David Gamble, MERANT plc Martin Tonge, Peerlogic, Inc. UML chapter contributed by Cris Kobryn, a coauthor of the UML specification and co-chair of the UML Revision Task Force. MOF chapter contributed by Sridhar Iyengar, the principal author of the MOF specification. Visit our Web site at www.wiley.com/compbooks/

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Information Inc.

Designing iOS mobile apps using simple Swift codes and libraries. KEY FEATURES ? Combines the fundamentals of Swift and power-packed libraries, including SwiftUI. ? Includes graphical illustrations and step-by-step instructions on coding your first iOS application. ? Covers end-to-end iOS app development with code debugging and best practices. DESCRIPTION 'Swift in 30 Days' teaches young graduates and coding applicants to enter the field of rapid development of applications through simplified, pragmatic, and quick programming learning without much theory. The book examines the basics of Swift programming, fundamental Swift building blocks, how to write syntax, constructs, define classes, arrays, model data with interfaces, and several examples of Swift programming. The book will help you to create the environment for app development, including tools and libraries like Xcode and SwiftUI. You will learn to work with Xcode and Swift libraries and finally make an independently developed Swift application. You will have access to design patterns and learn how to handle errors, debug, and work with protocols. By the end of this book, you will become a trusted Swift programmer and a successful iOS developer who will dive deeper into Apple's intelligent app programming challenge. WHAT YOU WILL LEARN ? Create an iOS app from scratch and learn fundamental Swift concepts such as operators and control flow. ? Create intuitive and intelligent user interfaces with an understanding of self-design and constraints. ? Recap OOP concepts and Swift protocol-based programming. ? Work with design patterns, write clean codes, and build expert tables and navigations. ? Work with Xcode and SwiftUI 2.0. WHO THIS BOOK IS FOR This book is for students, graduates, and entry-level coders who want to learn iOS app development without prior Swift or mobile app development experience. TABLE OF CONTENTS Week 1 (Beginner) 1. Building Your First App 2. Swift Programming Basics 3. Auto Layout 4. Types and Control Flow Week 2 (Intermediate) 5. Optional Type and More 6. Code Structuring Week 3 (Advanced) 7. OOP in Swift 8. Protocols and Delegates Week 4 (Bonus) 9. Error handling and Debugging 10. SwiftUI

This book covers iOS 14 app design fundamentals using the latest Swift 5 programming language, Xcode 12 and iOS 14 SDK.The author assumes you have no experience in app development. The book starts with the installation of the required programming environment and setting up the simulators. Then, the simplest Hello World app is developed step by step. In the next chapter, basics of the Swift 5 programming language are given with practical examples. Screenshots and code snippets are clearly given in the book to guide the reader.

After the Swift lecture, 8 complete apps (including a 2D game in SpriteKit and a 3D game in SceneKit) are developed in separate chapters. Both the mature UIKit and the newest SwiftUI frameworks are used for developing these apps. As the reader follows the development of the example apps, he/she will learn designing user interfaces, connecting interface objects to code, developing efficient Swift code and testing the app on simulators and real devices. Chapters of the book and the contents of these chapters are as follows: Chapter 1. Introduction: General info and the steps of developing an iOS app. Chapter 2. Setting up your development environment: Installing Xcode, setting up signing identities, viewing/adding simulators and real devices. Chapter 3. Test drive - the "Hello World" app: Creating a new Xcode project, adding and positioning user interface objects, building the project, running the developed app on the simulator and on the real device. Chapter 4. Swift programming language: Variables, constants, optionals, arrays, dictionaries, sets, if-else and switch-case decision making statements, for and while loops, functions, classes, objects and inheritance in Swift 5. Each concept is clearly explained step by step with code examples and screenshots. Chapter 5. Disco lights app: Using buttons and connecting actions to buttons in the code. Chapter 6. Body mass index (BMI) calculator app: Using input boxes, performing calculations and displaying the results on the screen. Chapter 7. Simple die roller app: Using random number generator functions, including image sets in your project, displaying images on the screen and changing the displayed image using Swift code. Chapter 8. Exercise calorie calculator app: Using global variables, creating tabbed apps and utilizing segmented controls. Chapter 9. Show my location app: Adding a map object to your app, setting required permissions, accessing GPS device and showing real time location on the map. Chapter 10. S.O.S. sender app: Adding SMS functionality, setting required permissions and sending real time location using SMS. Chapter 11. Bounce the ball game: Basics of SpriteKit that is used to develop 2D iOS games, adding objects to the game, sensing screen touches, moving game objects according to touches, combining all these and more to develop a complete 2D game. Chapter 12. Blue Capsule Hunter game: Basics of SceneKit that is used to develop 3D iOS games, adding objects to the game, moving objects, sensing screen touches, using score text and combining these concepts for developing a 3D game. This book includes 218 figures and 108 code snippets that are used to explain app development concepts clearly. Full resolution colour figures and project files can be viewed and downloaded from the book's companion website: www.yamaclis.com/ios14.

Develop highly efficient and appealing iOS applications by using the Swift language About This Book- Develop a series of applications with Swift using the development kits and new/updated APIs- Use the new features of iOS 8 to add new flavor to your applications- A hands-on guide with detailed code snippets to aid you in developing powerful Swift applications Who This Book Is For If you are an iOS developer with experience in Objective-C, and wish to develop applications with Swift, then this book is ideal for you. Familiarity with the fundamentals of Swift is an added advantage but not a necessity. What You Will Learn- Use playgrounds in Xcode to make the writing of Swift code productive and easy- Get acquainted with the advanced features of Swift and make complete use of them in your code- Add a new method for authentication to your app using Touch ID- Develop health-related apps using HealthKit- Take your apps to the next level of performance and capability using Metal- Develop applications for wearables using WatchKit- Use Notification Center to easily access all your notifications- Make your users devices more stylish by using Apple's built-in Quick Type keyboard, instead of the native one In Detail After years of using Objective-C for developing apps for iOS/Mac OS, Apple now offers a new, creative, easy, and innovative programming language for application development, called Swift. Swift makes iOS application development a breeze by offering speed, security and power to your application development process. Swift is easy to learn and has awesome features such as being open source, debugging, interactive playgrounds, error handling model, and so on. Swift has simplified its memory management with Automatic Reference Counting (ARC) and it is compatible with Objective-C. This book has been created to provide you with the information and skills you need to use the new programming language Swift. The book starts with an introduction to Swift and code structure. Following this, you will use playgrounds to become familiar with the language in no time. Then the book takes you through the advanced features offered by Swift and how to use them with your old Objective-C code or projects. You will then learn to use Swift in real projects by covering APIs such as HealthKit, Metal, WatchKit, and Touch ID in each chapter. The book's easy to follow structure ensures you get the best start to developing applications with Swift. Style and approach The book achieves its end goal by dividing its content into two parts. Part 1 will take the readers, who are new to Swift, through its architecture and basics. Part 2 of the book will cover content on application development with Swift.

Have you ever wanted to learn how to build iOS apps but don't know where to start? Have you tried some of the iOS books and blogs but still you could not get to the end? Do you feel like you need some fundamentals skills in Swift for you to get started? Well, Swift is the new language for you. No need to struggle any more. Swift will help you create both iOS8 and OSX apps in an intriguing and interesting way. If you happen to have some experience working with Objective-C, you might be asking yourself why shift to Swift. After all, you have been creating better apps for OS X for some years. But, did you know that apple had something in store before they released Swift? Whether you are an experienced programmer or just starting out in iOS app design, this book takes you through all the steps of designing an iOS app. If you want to learn how to create outstanding apps that will beat your competitor, this book helps you discover the secret. From Xcode and Swift, the foundation of modern iOS development, you will learn the building blocks of designing a great app so that you can dig deep into the app development. The Swift programming language is innovative, safe and young. So, how do you stay updated with the latest information and avoid being left behind with the most recent developments? Inside you will find from Beginners, Intermediate and Advanced Principles of Swift Programming: Step by step instructions on building apps Sample XCode projects Basic Introduction to Swift Discover major design principles that define iOS user experience. Manage data and manipulate images using effects and filters Latest changes to Swift 5.0 The ABI stability And many more... Don't wait. Grab your copy today.

Have you been wanting to develop Apps for iOS but don't have the prerequisite language skills? Have you tried other iOS books and the code just went over your head? Do you feel like you need a little more coding experience before tackling mobile? Do you want to get a head start on iOS8 development? There is no mobile platform that has proved more dominant-- or more lucrative than iOS! If you're planning on creating native iOS apps, you must know Swift. Swift is an easy-to-learn and powerful language that is used to create iOS8 and OSX apps in the very near future. Companies are scrambling to hire Swift developers and those with aspirations to create iOS apps are learning it as fast as they can.

Author Mark Lassoff is a master-instructor with years of teaching experience. You'll master the Swift programming language as you complete the multiple lab exercises that are both interesting and engaging. Dozens and dozens of code examples are available for you to load up and study. Over 150,000 people have learned programming from Mark Lassoff-- this book is one of his best. If you want to learn Swift and become an iOS8 developer, this is your book. Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 9 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 4. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Explore Swift's object-oriented concepts Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the lifecycle of an Xcode project Learn how nibs are loaded Understand Cocoa's event-driven design Communicate with C and Objective-C In this edition, catch up on the latest iOS programming features. Multiline strings and improved dictionaries Object serialization Key paths and key-value observing Expanded git integration Code refactoring And more! 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. Stay up-to-date on iOS 10 innovations, such as property animators, force touch, speech recognition, and the User Notification framework, as well as Xcode 8 improvements for autolayout and asset catalogs. All example code (now rewritten in Swift 3) is available on GitHub for you to download, study, and run. 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, 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 Want to brush up on the basics? Pick up iOS 10 Programming Fundamentals with Swift (978-1-491-97007-2) to learn about Swift, Xcode, and Cocoa. Together with Programming iOS 10, you'll gain a solid, rigorous, and practical understanding of iOS 10 development.

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