

Ios 7 Programming Fundamentals Objective C Xcode And Cocoa Basics

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.

Provides information on using iOS SDK tools to create applications for the iPhone and the iPad.

Updated for OS X 10.9 Mavericks, iOS 7, and Xcode 5 Programming in Objective-C is a concise, carefully written tutorial on the basics of Objective-C and object-oriented programming for Apple's iOS and OS X platforms. The book makes no assumptions about prior experience with object-oriented programming languages or with the C language (which Objective-C is based upon). Because of this, both beginners and experienced programmers alike can use this book to quickly and effectively learn the fundamentals of Objective-C. Readers can also learn the concepts of object-oriented programming without having to first learn all of the intricacies of the underlying C programming language. This unique approach to learning, combined with many small program examples and exercises at the end of each chapter, makes Programming in Objective-C ideally suited for either classroom use or self-study. This edition has been fully updated to incorporate new Objective-C features and technologies introduced with Xcode 5, iOS 7, and Mac OS X Mavericks. "The best book on any programming language that I've ever read. If you want to learn Objective-C, buy it."--Calvin Wolcott "An excellent resource for a new programmer who wants to learn Objective-C as their first programming language--a woefully underserved market."--Pat Hughes.

If you're getting started with iOS development, or want a firmer grasp of the basics, this practical guide provides a clear view of its fundamental building blocks—Objective-C, Xcode, and Cocoa Touch. You'll learn object-oriented concepts, understand how to use Apple's development tools, and discover how Cocoa provides the underlying functionality iOS apps need to have. Dozens of example projects are available at GitHub. 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 7. Explore the C language to learn how Objective-C works Learn how instances are created, and why they're so important Tour the lifecycle of an Xcode project, from inception to App Store Discover how to build interfaces with nibs and the nib editor Explore Cocoa's use of Objective-C linguistic features Use Cocoa's event-driven model and major design patterns Learn the role of accessors, key-value coding, and properties Understand the power of ARC-based object memory management Send messages and data between Cocoa objects

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.

This book reviews the state of the art in big data analysis and networks technologies. It addresses a range of issues that pertain to: signal processing, probability models, machine learning, data mining, databases, data engineering, pattern recognition, visualization, predictive analytics, data warehousing, data compression, computer programming, smart cities, networks technologies, etc. Data is becoming an increasingly decisive resource in modern societies, economies, and governmental organizations. In turn, data science inspires novel techniques and theories drawn from mathematics, statistics, information theory, computer science, and the social sciences. All papers presented here are the product of extensive field research involving applications and techniques related to data analysis in general, and to big data and networks technologies in particular. Given its scope, the book will appeal to advanced undergraduate and graduate students, postdoctoral researchers, lecturers and industrial researchers, as well general readers interested in big data analysis and networks technologies.

The team that brought you the bestselling Beginning iPhone Development is back again for Beginning iOS 7 Development, bringing this definitive guide up-to-date with Apple's latest and greatest iOS 7 SDK, as well as with the latest version of Xcode. There's coverage of brand-new technologies, including a new chapter on Apple's Sprite Kit framework for game development, as well as significant updates to existing material. You'll have everything you need to create your very own apps for the latest iOS devices. Every single sample app in the book has been rebuilt from scratch using latest Xcode and the latest 64-bit iOS 7-specific project templates, and designed to take advantage of the latest Xcode features. Assuming only a minimal working knowledge of Objective-C, and written in a friendly, easy-to-follow style, Beginning iOS 7 Development 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 7 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 confusing 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!

iOS 7 changed everything—get up to speed! iOS 7 is a major shift in the look and feel of apps—the first major sea change since the iPhone was first introduced. For apps to blend in with the new UI, each needs a complete redesign. Beginning iOS Programming: Building and Deploying iOS Applications starts at the beginning—including an introduction to Objective C—and gives you the skills you need to get your apps up and running. Author Nick Harris has extensive experience developing for iOS and provides a solid background for teaching the building blocks of app development. Learn Objective-C and how it differs from other programming languages Turn your app idea into an actionable plan Build each feature with the help of standalone chapters Assemble your project into a real-world iOS app Throughout the book, you'll be able to experiment with dozens of recipes from real-life scenarios, creating an app as you learn. The book's website features download sample apps to follow along with the instruction, and sample code to illustrate ideas.

Get a solid grounding in all the fundamentals of Cocoa Touch, and avoid problems during iPhone and iPad app development. With Programming iOS 4, you'll dig into Cocoa and learn how to work effectively with Objective-C and Xcode. This book covers iOS 4 in a rigorous, orderly fashion—ideal whether you're approaching iOS for the first time or need a reference to bolster existing skills. Learn Objective-C language details and object-oriented programming concepts Understand the anatomy of an Xcode project and all the stages of its lifecycle Grasp key Cocoa concepts such as relationships between classes, receiving events, and model-view-controller architecture Know how views are managed, drawn, composited, and animated Delve into Cocoa frameworks for sound, video, sensors, maps, and more Touch on advanced topics such as threading and networking Obtain a thorough grounding for exploring advanced iOS features on your own

IOS 7 Programming Fundamentals Objective-C, Xcode, and Cocoa Basics O'Reilly & Associates Incorporated

Covers iOS 7 and Xcode 5 Learning iOS Development is the perfect first book for every new iOS 7 developer. It delivers a complete foundation for iOS development, including an introduction to the Objective-C language, Xcode development tools, best-practice user interface development, and best practices for all aspects of app development and deployment. Throughout Learning iOS Development, you explore the iOS development process as you create and expand a handy car valet app. The hands-on projects enable you to create meaningful code as soon as possible, building confidence and mastery. The annotated code listings work with all the latest iOS technology, so you'll be ready to jump into this exciting development field. With Learning iOS Development, it's easy to learn at your own pace, on your own—or to deepen the knowledge you may be gaining in a classroom or workplace. Coverage includes Installing all the tools, programs, and devices you need to create iOS apps Building your first app and mastering the essentials of Objective-C Making the most effective use of device memory Storyboarding your interface and connecting it to your underlying code Using Auto Layout to support devices with different sizes and orientations Managing app data with Core Data Creating sophisticated custom gestures Deploying your app through Apple's App Store Quickly localizing your app for multiple languages and countries Implementing scrolling, navigation, table views, and other core iOS features Mastering advanced table views and navigation, including iPad split views Passing code encapsulated in blocks for communicating between parts of your app and with the system Tuning and debugging your apps for the best performance and quality Discovering great resources to take your next steps as an iOS developer

Features hands-on sample projects and exercises designed to help programmers create iOS applications.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 12 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 5.3. With this thoroughly updated guide, you'll learn the Swift language, understand Apple's Xcode development tools, and discover the Cocoa framework. Become familiar with built-in Swift types Dive deep into Swift objects, protocols, and generics Tour the life cycle 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: Multiple trailing closures Code editor document tabs New Simulator features Resources in Swift packages Logging and testing improvements And more! 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 14.

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

This book deals with indoor environmental quality (IEQ), which encompasses diverse factors that affect human life inside a building. These factors include indoor air quality (IAQ), lighting, acoustics, drinking water, ergonomics, electromagnetic radiation, and so on. Enhanced environmental quality can improve the quality of life and productivity of the occupants, increase the resale value of the building, and minimize the penalties on building owners. The book covers an overview of IEQ and its research progress, IAQ and its monitoring, the best indoor illumination scenes, IEQ in healthcare buildings, and acoustic comfort in residential buildings and places of worship. This book is expected to benefit undergraduate and postgraduate students, researchers, teachers, practitioners, policy makers, and every individual who has a concern for healthy life.

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!

Programming in Objective-C, Fourth Edition Updated for iOS 5 and ARC Programming in Objective-C is a concise, carefully written tutorial on the basics of Objective-C and object-oriented programming for Apple's iOS and Mac platforms. The book makes no assumptions about prior experience with object-oriented programming languages or with the C language (which Objective-C is based upon). Because of this, both beginners and experienced programmers alike can use this book to quickly and effectively learn the fundamentals of Objective-C. Readers can also learn the concepts of object-oriented programming without having to first learn all of the intricacies of the underlying C programming language. This unique approach to learning, combined with many small program examples and exercises at the end of each chapter, makes Programming in Objective-C ideally suited for either classroom use or self-study. The fourth edition of this book has been updated to cover the significant changes that first appeared in iOS 5 and Xcode 4.2, including the use of Automatic Reference Counting (ARC) to improve and simplify memory management in Objective-C programs. "The best book on any programming language that I've ever read. If you want to learn Objective-C, buy it."—Calvin Wolcott "An excellent resource for a new programmer who wants to learn Objective-C as their first programming language—a woefully underserved market."—Pat Hughes Table of Contents 1 Introduction 2 Programming in Objective-C 3 Classes, Objects, and Methods 4 Data Types and Expressions 5 Program Looping 6 Making Decisions 7 More on Classes 8 Inheritance 9 Polymorphism, Dynamic Typing, and Dynamic Binding 10 More on Variables and Data Types 11 Categories and Protocols 12 The Preprocessor 13 Underlying C Language Features 14 Introduction to the Foundation Framework 15 Numbers, Strings, and Collections 16

Working with Files 17 Memory Management and Automatic Reference Counting 18 Copying Objects 19 Archiving 20 Introduction to Cocoa and Cocoa Touch 21 Writing iOS Applications A Glossary B Address Book Example Source Code

And ConclusionChapter 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.

Use Xcode 5 to Write Great iOS and OS X Apps! Xcode 5 Start to Finish will help you use the tools in Apple's Xcode 5 to improve productivity, write great code, and leverage the newest iOS 7 and OS X Mavericks features. Drawing on thirty years of experience developing for Apple platforms and helping others do so, Fritz Anderson shows you a complete best-practice Xcode workflow. Through three full sample projects, you'll learn to integrate testing, source control, and other key skills into a high-efficiency process that works. Anderson shows you better ways to storyboard, instrument, build, and compile code, and helps you apply innovations ranging from Quick Look to Preview Assistant. By the time you're finished, you'll have the advanced Xcode skills to develop outstanding software. Coverage includes Setting breakpoints and tracing execution for active debugging Creating libraries by adding and building new targets Integrating Git or Subversion version control Creating iOS projects with MVC design Designing Core Data schemas for iOS apps Linking data models to views Designing UI views with Interface Builder Using the improved Xcode 5 Autolayout editor Improving reliability with unit testing Simplifying iOS provisioning Leveraging refactoring and continual error checking Using OS X bindings, bundles, packages, frameworks, and property lists Localizing your apps Controlling how Xcode builds source code into executables Analyzing processor and memory usage with Instruments Integrating with Mavericks Server's sleek continuous integration system Register your book at www.informit.com/register for access to this title's downloadable code.

If you're grounded in the basics of Objective-C and Xcode, this practical guide takes you through the components you need for building your own iOS apps. With examples from real apps and programming situations, you'll learn how to create views, manipulate view controllers, and use iOS frameworks for adding features such as audio and video. Learn how to create, arrange, draw, layer, and animate views—and make them respond to touch Use view controllers to manage multiple screens of material in a way that's understandable to users Explore UIKit interface widgets in-depth, such as scroll views, table views, text, web views, and controls Delve into Cocoa frameworks for sensors, maps, location, sound, and video Access user libraries: music, photos, address book, and calendar Examine additional topics including files, threading, and networking New iOS 7 topics covered include asset catalogs, snapshots, template images, keyframe and spring view animation, motion effects, tint color, fullscreen views and bar underlapping, background downloading and app refresh, Text Kit, Dynamic Type, speech synthesis, and many others. Example projects are available on GitHub. Want to brush up on the basics? Pick up iOS 7 Programming Fundamentals to learn about Objective-C, Xcode, and Cocoa language features such as notifications, delegation, memory management, and key-value coding. Together with Programming iOS 7, you'll gain a solid, rigorous, and practical understanding of iOS 7 development.

Provides information on using iOS 5 to create applications for the iPhone, iPad, and iPod Touch.

Overcome the vexing issues you're likely to face when creating apps for the iPhone, iPad, or iPod touch. With new and thoroughly revised recipes in this updated cookbook, you'll quickly learn the steps necessary to work with the iOS 7 SDK—including ways to store and protect data, send and receive notifications, enhance and animate graphics, manage files and folders, and take advantage of UI Dynamics.

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.

This concise book builds upon the foundational concepts of MIDI, synthesis, and sampled waveforms. It also covers key factors regarding the data footprint optimization work process, streaming versus captive digital audio new media assets, digital audio programming and publishing platforms, and why data footprint optimization is important for modern day new media content development and distribution. Digital Audio Editing Fundamentals is a new media mini-book covering concepts central to digital audio editing using the Audacity open source software package which also apply to all of the professional audio editing packages. The book gets more advanced as chapters progress, and covers key concepts for new media producers such as how to maximize audio quality and which digital audio new media formats are best for use with Kindle, Android Studio, Java, JavaFX, iOS, Blackberry, Tizen, Firefox OS, Chrome OS, Opera OS, Ubuntu Touch and HTML5. You will learn: Industry terminology involved in digital audio editing, synthesis, sampling, analysis and processing The work process which comprises a fundamental digital audio editing, analysis, and effects pipeline The foundational audio waveform sampling concepts that are behind modern digital audio publishing How to install, and utilize, the professional, open source Audacity digital audio editing software Concepts behind digital audio sample resolution and sampling frequency and how to select settings How to select the best digital audio data codec and format for your digital audio content application How to go about data footprint optimization, to ascertain which audio formats give the best results Using digital audio assets in computer programming languages and content publishing platforms

OS X and iOS Kernel Programming combines essential operating system and kernel architecture knowledge with a highly practical approach that will help you write effective kernel-level code. You'll learn fundamental concepts such as memory management and thread synchronization, as well as the I/O Kit framework. You'll also learn how to write your own kernel-level extensions, such as device drivers for USB and Thunderbolt devices, including networking, storage and audio drivers. OS X and iOS Kernel Programming provides an incisive and complete introduction to the XNU kernel, which runs iPhones, iPads, iPods, and Mac OS X servers and clients. Then, you'll expand your horizons to examine Mac OS X and iOS system architecture. Understanding Apple's operating systems will allow you to write efficient device drivers, such as those covered in the book, using I/O Kit. With OS X and iOS Kernel Programming, you'll: Discover classical kernel architecture topics such as memory management and thread synchronization Become well-versed in the intricacies of the kernel development process by applying kernel debugging and profiling tools Learn how to deploy your kernel-level projects and how to successfully package them Write code that interacts with hardware devices Examine easy to understand example code that can also be used in your own projects Create network filters Whether you're a hobbyist, student, or professional engineer, turn to OS X and iOS Kernel Programming and find the knowledge you need to start developing

Objective-C è il linguaggio di Apple. Questa guida ti seguirà passo dopo passo allo studio e alla conoscenza approfondita del linguaggio che muove, dietro le quinte, tutti gli algoritmi delle applicazioni iPhone, iPad e Mac. I primi capitoli sono pensati per una formazione di base solida su tutti i paradigmi del linguaggio, nei capitoli intermedi potrai affinare le tecniche di sviluppo e programmazione più avanzate fino all'ultimo capitolo, dove studierai importanti approfondimenti. "Objective-C. Le basi per tutti" è

un manuale che si rivolge a chiunque desideri iniziare a occuparsi di programmazione in Objective-C. I concetti chiave sono esposti con chiarezza e semplicità, partendo dalle basi del linguaggio e della logica fino ad approfondire aspetti ed elementi più complessi. Esempi esaustivi accompagnano i contenuti teorici, permettendo di assimilare efficacemente le nozioni apprese (per i principianti), ma anche di colmare lacune o fissare meglio determinati fondamenti per chi ha già esperienze di programmazione. Il lettore può mettere alla prova le sue capacità sin da subito, tramite un'ampia sezione di codice ed esempi in ogni capitolo del testo.

This book presents a selection of papers from the 2017 World Conference on Information Systems and Technologies (WorldCIST'17), held between the 11st and 13th of April 2017 at Porto Santo Island, Madeira, Portugal. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges involved in modern Information Systems and Technologies research, together with technological developments and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Software and Systems Modeling; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Human-Computer Interaction; Ethics, Computers & Security; Health Informatics; Information Technologies in Education; and Information Technologies in Radiocommunications.

Learn iOS App Development is both a rapid tutorial and a useful reference. You'll quickly get up to speed with Objective-C, Cocoa Touch, and the iOS 7 SDK. It's an all-in-one getting started guide to building your first iPhone or iPad app. 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 7 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 Objective-C language concepts and how to exploit design patterns and logic with the iOS SDK, based on Objective-C 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 Objective-C. 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!

iOS 7 Development Recipes: A Problem-Solution Approach is your code reference and guide to developing solutions on the iPad, iPhone, and other iOS 7 SDK devices and platforms. This book provides in-depth code samples and discussions for scenarios that developers face every day. You'll find numerous examples of real-world cases that will enable you to build fully functional applications quickly and efficiently. The recipes included in this book are wide in scope and have been geared toward the professional developer. You'll find clear and concise code samples accompanying each recipe, and you will be presented with cutting-edge solutions that bring forth the best that the iOS 7 SDK has to offer. The recipes include: Working with Auto Layout to build flexible user interfaces that adapt to different screen sizes Building applications that incorporate multimedia Building location-aware apps Understanding best practices for application design and development You'll find this book to be an indispensable reference for all your iOS development.

If you're getting started with iOS development, or want a firmer grasp of the basics, this practical guide provides a clear view of its fundamental building blocks: Objective-C, Xcode, and Cocoa Touch. You'll learn object-oriented concepts, understand how to use Apple's development tools, and discover how Cocoa provides the underlying functionality iOS apps need to have. Dozens of example projects are available at GitHub. 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 7. Explore the C language to learn how Objective-C works Learn how instances are created, and why they're so important Tour the lifecycle of an Xcode project, from inception to App Store Discover how to build interfaces with nibs and the nib editor Explore Cocoa's use of Objective-C linguistic features Use Cocoa's event-driven model and major design patterns Learn the role of accessors, key-value coding, and properties Understand the power of ARC-based object memory management Send messages and data between Cocoa objects.

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

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 13 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 5.5. 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 life cycle 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: Structured concurrency: async/await, tasks, and actors Swift native formatters and attributed strings Lazy locals and throwing getters Enhanced collections with the Swift Algorithms and Collections packages Xcode tweaks: column breakpoints, package collections, and Info.plist build settings Improvements in Git integration, localization, unit testing, documentation, and distribution And more!

Programming in Objective-C, Fifth Edition Updated for OS X Mountain Lion, iOS 6, and Xcode 4.5 Programming in Objective-C is a concise, carefully written tutorial on the basics of Objective-C and object-oriented programming for Apple's iOS and OS X platforms. The book makes no assumptions about prior experience with object-oriented programming languages or with the C language (which Objective-C is based upon). Because of this, both beginners and experienced programmers alike can use this book to quickly and effectively learn the fundamentals of Objective-C. Readers can also learn the concepts of object-oriented programming without having to first learn all of the intricacies of the underlying C programming language. This unique approach to learning, combined with many small program examples and exercises at the end of each chapter, makes Programming in Objective-C ideally suited for either classroom use or self-study. This edition has been fully updated to incorporate new features in Objective-C programming introduced with Xcode 4.4 (OS X Mountain Lion) and Xcode 4.5 (iOS 6.) "The best book on any programming language that I've ever read. If you want to learn Objective-C, buy it."—Calvin Wolcott "An excellent resource for a new programmer who wants to learn Objective-C as their first programming language—a woefully underserved market."—Pat Hughes Contents at a Glance 1 Introduction Part I The Objective-C Language 2 Programming in Objective-C 3 Classes, Objects, and Methods 4 Data Types and Expressions 5 Program Looping 6 Making Decisions 7 More on Classes 8 Inheritance 9 Polymorphism, Dynamic Typing, and Dynamic Binding 10 More on Variables and Data Types 11 Categories and Protocols 12 The Preprocessor 13 Underlying C Language Features Part II The Foundation Framework 14 Introduction to the Foundation Framework 15 Numbers, Strings, and Collections 16 Working with Files 17 Memory Management and Automatic Reference Counting (ARC) 18 Copying Objects 19 Archiving Part III Cocoa, Cocoa Touch, and the iOS SDK 20 Introduction to Cocoa and Cocoa Touch 21 Writing iOS Applications Appendixes A Glossary B Address Book Program Source Code

Learn iOS App Development is both a rapid tutorial and a useful reference. You'll quickly get up to speed with Objective-C, Cocoa Touch, and the iOS 7 SDK. It's an all-in-one getting started guide to building your first iPhone or iPad app. 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 7 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 Objective-C language concepts and how to exploit design patterns and logic with the iOS SDK, based on Objective-C 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 Objective-C. 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! What you'll learn Develop simple to moderately complex iOS apps. Add sound and iPod music playback, the camera, and photos to your app. Connect your app to the world through internet services, peer-to-peer networking, social networking, and cloud synchronization. Plug into the latest mobile technologies: maps, GPS, accelerometer, gyroscope, and compass. Polish your apps with elegant animation and effortless navigation. Improve your app's quality with core design patterns and best programming practices. Who this book is for This book requires no prior iPhone or iOS app coding experience, but some comfort with programming in general is assumed. Table of Contents Getting Your Tools Boom, App! Spin a Web Coming Events Table Manners Object Lesson Smile! Model Citizen Sweet, Sweet, Music Got Tools? Draw Me a Picture There and Back Again Networking, the Nerdy Kind Networking, the Social Kind Build It and They Will Come Wheeeeeeee! Where Am I? Remember Me? Document This Being Objective The Elephant in the Room Êtes-vous polyglotte? Faster, Faster! Twice as Nice

Get ready to create killer apps for iPad and iPhone on the new iOS 7! With Apple's introduction of iOS 7, demand for developers who know the new iOS will be high. You need in-depth information about the new characteristics and capabilities of iOS 7, and that's what you'll find in this book. If you have experience with C or C++, this guide will show you how to create amazing apps for iPhone, iPad, and iPod touch. You'll also learn to maximize your programs for mobile devices using iPhone SDK 7.0. Advanced topics such as security services, running on multiple iPlatforms, and local networking with Core Bluetooth are also covered. Prepares experienced developers to create great apps for the newest version of Apple's iOS Thoroughly covers the serious capabilities of iOS 7; information you need in order to make your apps stand out Delves into advanced topics including how to control multitasking, security services, running apps on multiple iPlatforms and iDevices, enabling in-app purchases, advanced text layout, and building a core foundation Also covers REST, advanced GCD, internationalization and localization, and local networking with Core Bluetooth iOS 7 Programming: Pushing the Limits will help you develop applications that take full advantage of everything iOS 7 has to offer.

Move into iOS development by getting a firm grasp of its fundamentals, including the Xcode 10 IDE, Cocoa Touch, and the latest version of Apple's acclaimed programming language, Swift 5. 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 13.

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

[Copyright: cfd4cd397a1a7b423d1dd71c30b1ba08](https://www.cfd4cd397a1a7b423d1dd71c30b1ba08)