

Ios 7 Programming Fundamentals Objective C Reddye

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(2014)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 networkingNew 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.

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.

Ready to build mobile apps that out-perform the rest? If you're an iOS developer with app-building experience, this practical guide provides tips and best practices to help you solve many common performance issues. You'll learn how to design and optimize iOS apps that deliver a smooth experience even when the network is poor and memory is low. Today's picky users want fast and responsive apps that don't hog resources. In this book, author Gaurav Vaish demonstrates methods for writing optimal code from an engineering perspective, using reusable Objective-C code that you can use right away. Up your game and create high-performance native iOS apps that truly stand out from the crowd. Measure key performance indicators—attributes that constitute and affect app performance Write efficient apps by minimizing memory and power consumption, and explore options for using available CPU cores Optimize your app's lifecycle and UI, as well as its networking, data sharing, and security features Learn about application testing, debugging and analysis tools, and monitoring your app in the wild Collect data from real users to analyze app usage, identify bottlenecks, and provide fixes Use iOS 9 upgrades to improve your app's performance

This guide was written for readers interested in learning the C++ programming language from scratch, and for both novice and advanced C++ programmers wishing to enhance their knowledge of C++. The text is organized to guide the reader from elementary language concepts to professional software development, with in depth coverage of all the C++ language elements en route.

Effective Objective-C 2.0

Programming iOS 14

Xcode 5 Start to Finish

Volume 2

Learning IOS Development

Beginning iPhone SDK Programming with Objective-C

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 blocksObjective-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.

Objective-C is today's fastest growing programming language, at least in part due to the popularity of Apple's Mac, iPhone and iPad. Beginning Objective-C is for you if you have some programming experience, but you're new to the Objective-C programming language and you want a modern—and fast—way forwards to your own coding projects. Beginning Objective-C offers you a modern programmer's perspective on Objective-C courtesy of two of the best iOS and Mac developers in the field today, and gets you programming to the best of your ability in this important language. It gets you rolling fast into the sound fundamentals and idioms of Objective-C on the Mac and iOS, in order to learn how best to construct your applications and libraries, making the best use of the tools it provides—no matter what projects you plan to build. The book offers thorough introductions to the core tenets of the language itself and its primary toolkits: the Foundation and AppKit frameworks. Within its pages you will encounter a mine of information on many topics, including use of the file system and network APIs, concurrency and multi-core programming, the user interface system architecture, data modeling, and more. You'll soon find yourself building a fairly complex Objective-C based application, and mastering the language ready for your own projects. If you're new to programming altogether, then Apress has other Objective-C books for you such as our Learning and Absolute Beginner titles—otherwise, let your existing skills ramp you fast forwards in Objective-C with Beginning Objective-C so that you can start building your own applications quickly.

Write Truly Great iOS and OS X Code with Objective-C 2.0! Effective Objective-C 2.0 will help you harness all of Objective-C's expressive power to write OS X or iOS code that works superbly well in production environments. Using the concise, scenario-driven style pioneered in Scott Meyers' best-selling Effective C++, Matt Galloway brings together 52 Objective-C best practices, tips, shortcuts, and realistic code examples that are available nowhere else. Through real-world examples, Galloway uncovers little-known Objective-C quirks, pitfalls, and intricacies that powerfully impact code behavior and performance. You'll learn how to choose the most efficient and effective way to accomplish key tasks when multiple options exist, and how to write code that's easier to understand, maintain, and improve. Galloway goes far beyond the core language, helping you integrate and leverage key Foundation framework classes and modern system libraries, such as Grand Central Dispatch. Coverage includes Optimizing interactions and relationships between Objective-C objects Mastering interface and API design: writing classes that feel "right at home" Using protocols and categories to write maintainable, bug-resistant code Avoiding memory leaks that can still occur even with Automatic Reference Counting (ARC) Writing modular, powerful code with Blocks and Grand Central Dispatch Leveraging differences between Objective-C protocols and multiple inheritance in other languages Improving code by more effectively using arrays, dictionaries, and sets Uncovering surprising power in the Cocoa and Cocoa Touch frameworks

Everything you need to know to start creating native applications for the iPhone and iPod Touch The iPhone SDK and the Xcode tools are the official Apple tools used for creating native iPhone applications. This information-packed book presents a complete introduction to the iPhone SDK and the Xcode tools, as well as the Objective-C language that is necessary to create these native applications. Solid coverage and real-world examples walk you through the process for developing mobile applications for the iPhone that can then be distributed through Apple's iTunes Application store. The hands-on approach shows you how to develop your first iPhone application while getting you acquainted with the iPhone SDK and the array of Xcode tools. A thorough tutorial on the features and syntax of the Objective-C language helps you get the most out of the iPhone SDK, and an in-depth look at the features of the iPhone SDK enables you to maximize each of these features in your applications. Provides an introductory look at how the iPhone SDK and Xcode tools work with the Objective-C language to create native iPhone applications Familiarizes you with the latest version of the iPhone SDK and the newest Xcode tools that ship with Snow Leopard Walks you through developing your first iPhone applications Focuses on the features and syntax of the Objective-C language so that you can get the most out of the iPhone SDK With this hands-on guide, you'll quickly get started developing applications for the iPhone with both the iPhone SDK and the latest Xcode tools. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Objective-C, Xcode, and Cocoa Basics

iPhone Programming

iPhone iOS4 Development Essentials - Xcode 4 Edition

IOS 8 Programming Fundamentals with Swift

52 Specific Ways to Improve Your iOS and OS X Programs

A Hands-on Guide to the Fundamentals of iOS Programming

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.

Summary iOS 7 in Action is a detailed, hands-on guide that teaches you how to create amazing native iOS apps. You'll dive into key topics by exploring thoroughly explained real-world code examples you can expand and reuse. **Learn about Collection Views, Storyboarding, Twitter & Facebook Integration, Passbook, Airplay, and much more.** If you're already creating iOS apps, you'll learn how to capitalize on the newest iOS features. **Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.** **About the Book** To develop great apps you need a deep knowledge of iOS. You also need a finely tuned sense of what motivates 500 million loyal iPhone and iPad users. iOS 7 introduces many new visual changes, as well as better multitasking, dynamic motion effects, and much more. **This book helps you use those features in apps that will delight your users.** **iOS 7 in Action** is a hands-on guide that teaches you to create amazing native iOS apps. In it, you'll explore thoroughly explained examples that you can expand and reuse. **If this is your first foray into mobile development, you'll get the skills you need to go from idea to app store.** If you're already creating iOS apps, you'll pick up new techniques to hone your craft, and learn how to capitalize on new iOS 7 features. **This book assumes you're familiar with a language like C, C++, or Java.** Prior experience with Objective-C and iOS is helpful. **What's Inside** Native iOS 7 design and development **Learn Core Data, AirPlay, Motion Effects, and more** **Create real-world apps using each core topic** Use and create your own custom views **Introduction and overview of Objective-C** **About the Authors** **Brendan Lim** is a Y Combinator alum, the cofounder of Kicksend, and the author of MacRuby in Action. **Martin Conte Mac Donell**, aka fz, is a veteran of several startups and an avid open source contributor. **Table of Contents** **PART 1 BASICS AND NECESSITIES** Introduction to iOS development Views and view controller basics Using storyboards to organize and visualize your views Using and customizing table views Using collection views **PART 2 BUILDING REAL-WORLD APPLICATIONS** Retrieving remote data Photos and videos and the Assets Library Social integration with Twitter and Facebook Advanced view customization Location and mapping with Core Location and MapKit Persistence and object management with Core Data **PART 3 APPLICATION EXTRAS** Using AirPlay for streaming and external display Integrating push notifications Applying motion effects and dynamics

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.

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 Bulgarian C# Book

Objective-C Programming

Objective-C Fundamentals

Programming in Objective-C 2.0

Learning iOS Development

Recent Advances in Information Systems and Technologies

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.

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

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples.

Download the free C# programming book, videos, presentations and other resources from http://introprogramming.info. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: http://www.introprogramming.info License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

Presents an introduction to Objective-C, covering such topics as classes and objects, data types, program looping, inheritance, polymorphism, variables, memory management, and archiving.

Programming iOS 7

iOS 12 Programming Fundamentals with Swift

A Learner's Guide to Creating Objective-C Applications for the iPhone and iPad

Programming Fundamentals

iOS 13 Programming Fundamentals with Swift

Mobile Social Networking and Computing

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.

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.

Based on Big Nerd Ranch's popular iPhone Bootcamp class, iPhone Programming: The Big Nerd Ranch Guide leads you through the essential tools and techniques for developing applications for the iPhone, iPad, and iPod Touch. In each chapter, you will learn programming concepts and apply them immediately as you build an application or enhance one from a previous chapter. These applications have been carefully designed and tested to teach the associated concepts and to provide practice working with the standard development tools Xcode, Interface Builder, and Instruments. The guide's learn-while-doing approach delivers the practical knowledge and experience you need to design and build real-world applications. Here are some of the topics covered: Dynamic interfaces with animation Using the camera and photo library User location and mapping services Accessing accelerometer data Handling multi-touch gestures Navigation and tabbed applications Tables and creating custom rows Multiple ways of storing and loading data: archiving, Core Data, SQLite Communicating with web services ALocalization/Internationalization *After many 'false starts' with other iPhone development books, these clear and concise tutorials made the concepts gel for me. This book is a definite must have for any budding iPhone developer." — Peter Watling, New Zealand, Developer of BubbleWrap

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.

Programming in Objective-C

IOS 9 Programming Fundamentals with Swift

IOS 10 Programming Fundamentals with Swift

Indoor Environmental Quality

iOS 14 Programming Fundamentals with Swift

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

Recent advancements in mobile device technologies are revolutionizing how we socialize, interact, and connect. By connecting the virtual community with the local environment, mobile social networks (MSNs) create the opportunity for a multitude of new personalized services for mobile users. Along with that comes the need for new paradigms, mechanism

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!

Provides information on using iOS 6 to create applications for the iPhone, iPad, and iPod Touch.

A Complete Guide to Programming in C++

Programming IOS 6

A Modular Structured Approach Using C++

Developing for the Mac and iOS App Stores

Beginning Objective C

The Big Nerd Ranch Guide

Get up to speed on Cocoa and Objective-C, and start developing applications on the iOS and OS X platforms. If you don't have experience with Apple's developer tools, no problem! From object-oriented programming to storing app data in iCloud, the fourth edition of this book covers everything you need to build apps for the iPhone, iPad, and Mac. You'll learn how to work with the Xcode IDE, Objective-C's Foundation library, and other developer tools such as Event Kit framework and Core Animation. Along the way, you'll build example projects, including a simple Objective-C application, a custom view, a simple video player application, and an app that displays calendar events for the user. Learn the application lifecycle on OS X and iOS Work with the user-interface system in Cocoa and Cocoa Touch Use AV Foundation to display video and audio Build apps that let users create, edit, and work with documents Store data locally with the file system, or on the network with iCloud Display lists or collections of data with table views and collection views Interact with the outside world with Core Location and Core Motion Use blocks and operation queues for multiprocessing

IOS 7 Programming FundamentalsObjective-C, Xcode, and Cocoa BasicsIOS 7 Programming FundamentalsObjective-C, Xcode, and Cocoa Basics"O'Reilly Media, Inc."

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.

Summary Objective-C Fundamentals is a hands-on tutorial that leads you from your first line of Objective-C code through the process of building native apps for the iPhone using the latest version of the SDK. You'll learn to avoid the most common pitfalls, while exploring the expressive Objective-C language through numerous example projects. About the Technology The iPhone is a sophisticated device, and mastering the Objective C language is the key to unlocking its awesome potential as a mobile computing platform. Objective C's concise, rich syntax and feature set, when matched with the iPhone SDK and the powerful Xcode environment, offers a developers from any background a smooth transition into mobile app development for the iPhone. About the Book Objective-C Fundamentals guides you gradually from your first line of Objective-C code through the process of building native apps for the iPhone. Starting with chapter one, you'll dive into iPhone development by building a simple game that you can run immediately. You'll use tools like Xcode 4 and the debugger that will help you become a more efficient programmer. By working through numerous easy-to-follow examples, you'll learn practical techniques and patterns you can use to create solid and stable apps. And you'll find out how to avoid the most common pitfalls. No iOS or mobile experience is required to benefit from this book but familiarity with programming in general is helpful. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Objective-C from the ground up Developing with Xcode 4 Examples that work unmodified on iPhone Table of Contents PART 1 GETTING STARTED WITH OBJECTIVE-C Building your first iOS application Data types, variables, and constants An introduction to objects Storing data in collections PART 2 BUILDING YOUR OWN OBJECTS Creating classes Extending classes Protocols Dynamic typing and runtime type information Memory management PART 3 MAKING MAXIMUM USE OF FRAMEWORK FUNCTIONALITY Error and exception handling Key-Value Coding and NSPredicate Reading and writing application data Blocks and Grand Central Dispatch Debugging techniques

IOS 7 Programming Fundamentals

High Performance IOS Apps

Dive Deep Into Views, View Controllers, and Frameworks

iOS and OS X Development

Swift, Xcode, and Cocoa Basics

Fundamentals of Computer Programming with C#

This easy-to-follow and classroom-tested textbook guides the reader through the fundamentals of programming with Python, an accessible language which can be learned incrementally. Features: includes numerous examples and practice exercises throughout the text, with additional exercises, solutions and review questions at the end of each chapter; highlights the patterns which frequently appear when writing programs, reinforcing the application of these patterns for problem-solving through practice exercises; introduces the use of a debugger tool to inspect a program, enabling students to discover for themselves how programs work and enhance their understanding; presents the Tkinter framework for building graphical user interface applications and event-driven programs; provides instructional videos and additional information for students, as well as support materials for instructors, at an associated website.

THE #1 BESTSELLING BOOK ON OBJECTIVE-C 2.0 Programming in Objective-C 2.0 provides the new programmer a complete, step-by-step introduction to Objective-C, the primary language used to develop applications for the iPhone, iPad, and Mac OS X platforms. The book does not assume previous experience with either C or object-oriented programming languages, and it includes many detailed, practical examples of how to put Objective-C to use in your everyday iPhone/iPad or Mac OS X programming tasks. A powerful yet simple object-oriented programming language that's based on the C programming language, Objective-C is widely available not only on OS X and the iPhone/iPad platform but across many operating systems that support the gcc compiler, including Linux, Unix, and Windows systems. The second edition of this book thoroughly covers the latest version of the language, Objective-C 2.0. And it shows not only how to take advantage of the Foundation framework's rich built-in library of classes but also how to use the iPhone SDK to develop programs designed for the iPhone/iPad platform. Table of Contents 1 Introduction Part I: The Objective-C 2.0 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 18 Copying Objects 19 Archiving Part III: Cocoa and the iPhone SDK 20 Introduction to Cocoa 21 Writing iPhone Applications Part IV: Appendixes A Glossary B Objective-C 2.0 Language Summary C Address Book Source Code D Resources

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

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.

Learning Cocoa with Objective-C

A Hands-on Guide to the Fundamentals of IOS Programming

iOS 15 Programming Fundamentals with Swift

A Multidisciplinary Integrated Perspective

Programming IOS 9

Programming IOS 7

Covers iOS 7 and Xcode 5 Learning iOS Developmentis 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

Want to write iOS apps or desktop Mac applications? This introduction to programming and the Objective-C language is your first step on the journey from someone who uses apps to someone who writes them. Based on Big Nerd Ranch's popular Objective-C Bootcamp, Objective-C Programming: The Big Nerd Ranch Guide covers C, Objective-C, and the common programming idioms that enable developers to make the most of Apple technologies. Compatible with Xcode 5, iOS 7, and OS X Mavericks (10.9), this guide features short chapters and an engaging style to keep you motivated and moving forward. At the same time, it encourages you to think critically as a programmer. Here are some of the topics covered: Using Xcode, Apple's documentation, and other tools Programming basics: variables, loops, functions, etc. Objects, classes, methods, and messages Pointers, addresses, and memory management with ARC Properties and Key-Value Coding (KVC) Class extensions Categories Classes from the Foundation framework Blocks Delegation, target-action, and notification design patterns Key-Value Observing (KVO) Runtime basics

Programming Fundamentals - A Modular Structured Approach using C++ is written by Kenneth Leroy Busbee, a faculty member at Houston Community College in Houston, Texas. The materials used in this textbook/collection were developed by the author and others as independent modules for publication within the Connexions environment. Programming fundamentals are often divided into three college courses: Modular/Structured, Object Oriented and Data Structures. This textbook/collection covers the rest of those three courses.

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.

iOS 7 in Action

Big Data and Networks Technologies

Optimize Your Code for Better Apps

Head First iPhone and iPad Development

Python Programming Fundamentals

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

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