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IOS Programming

Big Nerd Ranch Guides 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.

iPhone Programming

The Big Nerd Ranch Guide

Addison-Wesley Professional 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

Swift Programming

The Big Nerd Ranch Guide

Pearson Technology Group This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through the authors' carefully constructed explanations and examples, you will develop an understanding of Swift grammar and the elements of effective Swift style. This book is written for Swift 3.0 and will also show you how to navigate Xcode 8 and get the most out of Apple's documentation. Throughout the book, the authors share their insights into Swift to ensure that you understand the hows and whys of Swift and can put that understanding to use in different contexts. After working through the book, you will have the knowledge and confidence to develop your own solutions to a wide range of programming challenges using Swift.

Objective-C Programming

The Big Nerd Ranch Guide

Addison-Wesley Professional 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

Kotlin Programming

The Big Nerd Ranch Guide

Pearson Technology Group Kotlin is a statically typed programming language designed to interoperate with Java and fully supported by Google on the Android operating system. Based on Big Nerd Ranch's popular Kotlin Essentials course, this guide shows you how to work effectively with the Kotlin programming language through hands-on examples and clear explanations of key Kotlin concepts and foundational APIs. Written for Kotlin 1.2, this book will also introduce you to JetBrains' IntelliJ IDEA development environment. Whether you are an experienced Android developer looking for modern features beyond what Java offers or a new developer ready to learn your first programming language, the authors will guide you from first principles to advanced usage of Kotlin. By the end of this book, you will be empowered to create reliable, concise applications in Kotlin.

Android Programming

The Big Nerd Ranch Guide

Addison-Wesley Professional **Android Programming: The Big Nerd Ranch Guide** is an introductory Android book for programmers with Java experience. Based on Big Nerd Ranch's popular Android Bootcamp course, this guide will lead you through the wilderness using hands-on example apps combined with clear explanations of key concepts and APIs. This book focuses on practical techniques for developing apps compatible with Android 4.1 (Jelly Bean) and up, including coverage of Lollipop and material design. Write and run code every step of the way, creating apps that integrate with other Android apps, download and display pictures from the web, play sounds, and more. Each chapter and app has been designed and tested to provide the knowledge and experience you need to get started in Android development. Big Nerd Ranch specializes in developing and designing innovative applications for clients around the world. Our experts teach others through our books, bootcamps, and onsite training. Whether it's Android, iOS, Ruby and Ruby on Rails, Cocoa, Mac OS X, JavaScript, HTML5 or UX/UI, we've got you covered. The Android team is constantly improving and updating Android Studio and other tools. As a result, some of the instructions we provide in the book are no longer correct. You can find an addendum addressing breaking changes at: <https://github.com/bignerdranch/AndroidCourseResources/raw/master/2ndEdition/Errata/2eAddendum.pdf>.

iOS Programming

The Big Nerd Ranch Guide, Third Edition

Addison-Wesley Professional Winner of a 2012 Jolt Productivity Award! Updated and expanded to cover iOS 5 and Xcode 4.3, **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 understanding, the know-how, and the confidence you need to tackle iOS projects of your own. Based on Big Nerd Ranch's popular iOS Bootcamp course and its well-tested materials and methodology, this best-selling guide teaches iOS concepts and coding in tandem. The result is instruction that is relevant and useful. Throughout the book, the authors clearly explain what's important to know and share their insights into the larger context of the iOS platform. This gives you a real understanding of how iOS development works, the many features that are available, and when and where to apply what you've learned. Here are some of the topics covered: Xcode 4.3, Instruments, and Storyboards ARC, strong and weak references, and retain cycles Interfacing with iCloud Handling touch events and gestures Tool bars, navigation controllers, and split view controllers Localization and Internationalization Block syntax and use Background execution and multi-tasking Saving/loading data: Archiving and Core Data Core Location and Map Kit Communicating with web services Working with XML, JSON, and NSRegularExpression Using the Model-View-Controller-Store design pattern

Cocoa Programming for OS X

The Big Nerd Ranch Guide

Pearson Education Covering the bulk of what you need to know to develop full-featured applications for OS X, this edition is updated for OS X Yosemite (10.10), Xcode 6, and Swift. Written in an engaging tutorial style and class-tested for clarity and accuracy, it is an invaluable resource for any Mac programmer. The authors introduce the two most commonly used Mac developer tools: Xcode and Instruments. They also cover the Swift language, basic application architecture, and the major design patterns of Cocoa. Examples are illustrated with exemplary code, written in the idioms of the Cocoa community, to show you how Mac programs should be written. After reading this book, you will know enough to understand and utilize Apple's online documentation for your own unique needs. And you will know enough to write your own stylish code. This edition was written for Xcode 6.3 and Swift 1.2. At WWDC 2015, Apple announced Xcode 7 and Swift 2, both of which introduce significant updates that (along with some changes to Cocoa for OS X 10.11) affect some of the exercises in this book. We have prepared a companion guide listing the changes needed to use Xcode 7 to work through the exercises in the book; it is available at <https://github.com/bignerdranch/cocoa-programming-for-osx-5e/blob/master/Swift2.md>.

Objective-C Programming

The Big Nerd Ranch Guide

Pearson Education Includes a detachable visual reference guide sheet for Xcode 5 in back of book.

Advanced Mac OS X Programming

The Big Nerd Ranch Guide

Addison-Wesley Professional While there are several books on programming for Mac OS X, *Advanced Mac OS X Programming: The Big Nerd Ranch Guide* is the only one that contains explanations of how to leverage the powerful underlying technologies. This book gets down to the real nitty-gritty. The third edition is updated for Mac OS X 10.5 and 10.6 and covers new technologies like DTrace, Instruments, Grand Central Dispatch, blocks, and NSOperation.

Front-End Web Development

The Big Nerd Ranch Guide

Pearson Technology Group Front-end development targets the browser, putting your applications in front of the widest range of users regardless of device or operating system. This guide will give you a solid foundation for creating rich web experiences across platforms. Focusing on JavaScript, CSS3, and HTML5, this book is for programmers with a background in other platforms and developers with previous web experience who need to get up to speed quickly on current tools and best practices. Each chapter of this book will guide you through essential concepts and APIs as you build a series of applications. You will implement responsive UIs, access remote web services, build applications with Ember.js, and more. You will also debug and test your code with cutting-edge development tools and harness the power of Node.js and the wealth of open-source modules in the npm registry. After working through the step-by-step example projects, you will understand how to build modern websites and web applications.

Cocoa Programming for Mac OS X

Addison-Wesley Professional Provides step-by-step instructions for learning Cocoa, discussing such topics as Objective-C, controls, helper objects, archiving, Nib files and NSWindowController, and creating interface builder palettes.

Programming in Objective-C

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

Learning IOS Development

A Hands-on Guide to the Fundamentals of iOS Programming

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

Learning Cocos2D

A Hands-On Guide to Building iOS Games with Cocos2D, Box2D, and Chipmunk

Addison-Wesley Professional **Build the Next Great iOS Game with Cocos2D!** Cocos2D is the powerhouse framework behind some of the most popular games in the App Store. If you've played Tiny Wings, Angry Birds, Mega Jump, Trainyard, or even Super Turbo Action Pig, then you've played a game that uses Cocos2D or Box2D physics. The beauty of Cocos2D is its simplicity. It's easy to become overwhelmed when you start developing an iOS game, especially if you look at things like OpenGL ES, OpenAL, and other lower level APIs. Writing a game for the iPhone and iPad does not have to be that difficult, and Cocos2D makes game development fun and easy. Learning Cocos2D walks you through the process of building Space Viking (which is free on the App Store), a 2D scrolling game that leverages Cocos2D, Box2D, and Chipmunk. As you build Space Viking, you'll learn everything you need to know about Cocos2D so you can create the next killer iOS game. Download the free version of Space Viking from the App Store today! Help Ole find his way home while learning how to build the game. As you build Space Viking, you'll learn how to Install and configure Cocos2D so it works with Xcode 4 Build a complete 2D action adventure game with Cocos2D Add animations and movement to your games Build your game's main menu screen for accessing levels Use Cocos2D's Scheduler to make sure the right events happen at the right times Use tile maps to build scrolling game levels from reusable images Add audio and sound effects with CocosDenshion—Cocos2D's sound engine Add gravity, realistic collisions, and even ragdoll effects with Box2D and Chipmunk physics engines Add amazing effects to your games with particle systems Leverage Game Center in your game for achievements and leader boards Squeeze the most performance from your games along with tips and tricks

Ios Programming

The Big Nerd Ranch Guide

Createspace Independent Publishing Platform iOS is for developers looking to step into the sometimes frightening world of iPhone and iPad app development. Written as the companion to Objective-C , this e-book guides you from creating a simple, single page application to managing assets in a complex, multi-scene application. Advanced features such as localizing application UI, and working with the Audio Toolbox and AVAudioPlayer frameworks are also covered. If you're looking for the fastest way to get up and running with iOS development, forget about the 1,500+ pages of documentation in the iOS Developer Library. This is the only resource you need. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject .We hope you find this book useful in shaping your future career & Business.

The Summer I Became a Nerd

Entangled: Teen On the outside, seventeen-year-old Madelyne Summers looks like your typical blond cheerleader—perky, popular, and dating the star quarterback. But inside, Maddie spends more time agonizing over what will happen in the next issue of her favorite comic book than planning pep rallies with her squad. That she's a nerd hiding in a popular girl's body isn't just unknown, it's anti-known. And she needs to keep it that way. Summer is the only time Maddie lets her real self out to play, but when she slips up and the adorkable guy behind the local comic shop's counter uncovers her secret, she's busted. Before she can shake a pom-pom, Maddie's whisked into Logan's world of comic conventions, live-action role-playing, and first-person-shooter video games. And she loves it. But the more she denies who she really is, the deeper her lies become...and the more she risks losing Logan forever.

Learning OpenGL ES for iOS

A Hands-on Guide to Modern 3D Graphics Programming

Addison-Wesley Get Started Fast with Modern OpenGL ES Graphics Programming for iPhone, iPod touch, and iPad OpenGL ES technology underlies the user interface and graphical capabilities of Apple's iPhone, iPod touch, and iPad—as well as devices ranging from video-game consoles and aircraft-cockpit displays to non-Apple smartphones. In this friendly, thorough introduction, Erik M. Buck shows how to make the most of Open GL ES in Apple's iOS environment. This highly anticipated title focuses on modern, efficient approaches that use the newest versions of OpenGL ES, helping you avoid the irrelevant, obsolete, and misleading techniques that litter the Internet. Buck embraces Objective-C and Cocoa Touch, showing how to leverage Apple's powerful, elegant GLKit framework to maximize your productivity, achieve tight platform integration, and deliver exceptionally polished apps. If you've written C or C++ code and know object-oriented programming basics, this title brings together everything you need to fully master OpenGL ES graphics for iOS—including downloadable examples specifically designed to jumpstart your own projects. Coverage includes • Understanding core OpenGL ES computer graphics concepts and iOS graphics architecture • Integrating Cocoa Touch with OpenGL ES to leverage the power of Apple's platform • Creating textures from start to finish: opacity, blending, multi-texturing, and compression • Simulating ambient, diffuse, and specular light • Using transformations to render 3D geometric objects from any point of view • Animating scenes by controlling time through application logic • Partitioning data to draw expansive outdoor scenes with rolling terrain • Detecting and handling user interaction with 3D geometry • Implementing special effects ranging from skyboxes to particles and billboards • Systematically optimizing graphics performance • Understanding the essential linear algebra concepts used in computer graphics • Designing and constructing a complete simulation that incorporates everything you've learned

Learning IOS Game Programming

Addison-Wesley Professional Provides information on how to build a successful iPhone game and includes instructions for creating a 2D tile map game.

IOS Components and Frameworks

Understanding the Advanced Features of the IOS SDK

Pearson Education Take Your Next Leap Forward as an iOS App Developer! Covers iOS 7 and Xcode 5 iOS Components and Frameworks will help you leverage iOS's powerful components and frameworks to build apps with outstanding performance, reliability, interactivity, media support, and customization. Pioneering iOS developers Kyle Richter and Joe Keeley illuminate the sophisticated intermediate-to-advanced-level techniques you're now ready for. You'll find example-rich coverage of topics ranging from social support to security, Core Data, TextKit, iCloud support, UIKit Dynamics, MapKit, and Passbook. There's also a complete section on advanced performance and security, including the effective use of Grand Central Dispatch and Keychain. Each chapter contains a complete sample project that walks you through integrating its technology into a typical iOS app. You'll discover how multiple iOS features can be combined into exceptionally powerful apps and walk through a complete case study project: a fully functional game with complete Game Center integration. Coverage includes: New physics-based animation effects provided by UIKit Dynamics Making the most of Core Location, MapKit, and Geofencing Leveraging Game Center features such as Leader Boards and Achievements Giving users access to their address and media libraries from within your app Using lightweight JSON to move data among servers, apps, and websites Syncing apps via iCloud using UIDocument and key-value store syncing Securing user data with Keychain Informing users of important app-related events via Notifications Storing and retrieving persistent data locally with Core Data Using advanced Objective-C features to write more manageable, concise apps Improving responsiveness through concurrency with Grand Central Dispatch Advanced text handling and display with TextKit Smoothly handling complex and continuous gestures Effective debugging techniques with Xcode 5 and Instruments Building passes for Passbook and PassKit If you're a serious iOS developer who wants to build cutting-edge apps, iOS Components and Frameworks delivers the practical skills, reusable code, and expert insights you're looking for.

Swift Programming

The Big Nerd Ranch Guide, 3rd Edition

Through this guide's carefully constructed explanations and examples, you will develop an understanding of Swift grammar and the elements of effective Swift style - all thoroughly revised for Swift 5.3 and Xcode 12. Based on Big Nerd Ranch's popular Swift training and its well-tested materials and methodology, this guide teaches concepts and coding through hands-on exercises. You will explore Swift features in Xcode playgrounds, and you will end by building sample apps for the command line and for macOS and iOS. After working through the book, you will have the skills to confidently dive into learning app development for Apple platforms like iOS and macOS.

The Core iOS 6 Developer's Cookbook

Addison-Wesley The Core iOS 6 Developer's Cookbook brings together reliable, proven solutions for the heart of day-to-day iOS 6 development. World-renowned iOS programming expert Erica Sadun covers all the classes you'll need to create successful iOS 6 mobile apps with standard APIs and interface elements and take full advantage of iOS 6 graphics, touches, and views. As in her previous bestselling iOS books, Sadun translates today's development best practices into working code, distilling key concepts into concise recipes that are easy to understand and transfer into your own projects. This isn't just cut-and-paste; using her examples, Sadun fully explains both the "how" and "why" of effective iOS 6 development. All code has been fully revised and extensively tested to reflect the latest iOS 6 features and the newest iPhone, iPad, and iPod touch capabilities. Throughout, every chapter groups related tasks together, so you can jump straight to your solution, without having to identify the right class or framework first. Coverage includes Supporting direct user input through multitouch and gestures, including custom gesture recognizers Building, customizing, and using iOS 6 controls Alerting users via popup dialogs, progress bars, local notifications, popovers, audio pings, and other techniques Assembling views and animation, organizing view hierarchies, and understanding how views work together Using iOS 6's breakthrough autolayout constraints system to simplify support for multiple screen geometries controlling keyboards, making onscreen elements "text aware," and efficiently scanning and formatting text Using view controllers to organize your users' workspaces Managing photos, videos, email, text messages, and iOS 6-enhanced social media updates Implementing VoiceOver accessibility to reach even more users Organizing apps simply and intuitively with tables and adding flexibility with iOS 6's brand new collection views Getting started with Core Data managed data stores Leveraging iOS 6's powerful networking and web services support

Swift Programming

The Big Nerd Ranch Guide

Big Nerd Ranch Guides Through the authors' carefully constructed explanations and examples, you will develop an understanding of Swift grammar and the elements of effective Swift style. Throughout the book, the authors share their insights into Swift to ensure that you understand the hows and whys of Swift and can put that understanding to use in different contexts. After working through the book, you will have the knowledge and confidence to develop your own solutions to a wide range of programming challenges using Swift.

iPhone and iPad Apps for Absolute Beginners

Apress The iPhone is the hottest gadget of our generation, and much of its success has been fueled by the App Store, Apple's online marketplace for iPhone applications. Over 1 billion apps have been downloaded in the 9 months the App Store has been open, ranging from the simplest games to the most complex business apps. Everyone has an idea for the next best-selling iPhone app—presumably that's why you're reading this now. And with the release of the iPad, this demand will just continue to grow. So how do you build an application for the iPhone and iPad? Don't you need to spend years learning complicated programming languages? What about Objective-C, Cocoa Touch, and the software development kit (SDK)? The answer is that you don't need to know any of those things. Anybody can start building simple applications for the iPhone and iPad, and this book will show you how. This book takes you to getting your first applications up and running using plain English and practical examples. It cuts through the fog of jargon and misinformation that surrounds iPhone and iPad application development, and gives you simple, step-by-step instructions to get you started. Teaches iPhone and iPad application development in language anyone can understand Provides simple, step-by-step examples that make learning easy Offers videos that enable you to follow along with the author—it's like your own private classroom

Programming iOS 14

"O'Reilly Media, Inc." 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.

The iOS 5 Developer's Cookbook

Core Concepts and Essential Recipes for iOS Programmers

Addison-Wesley Professional Provides information on building iOS 5 applications for iPhone, iPad, and iPod Touch.

The Advanced iOS 6 Developer's Cookbook

Addison-Wesley Professional Provides ready-made code solutions for the iOS 6 development challenges readers are most likely to face, eliminating trial-and-error and helping them build reliable apps from the very beginning. Original.

Django Programming

The Big Nerd Ranch Guide

Addison-Wesley Professional The Django framework makes it easier than ever for Python programmers to create dynamic, database-driven websites. This text covers everything developers need to know to plan, write, deploy, secure, and administer world-class Django web sites.

iOS 14 Programming for Beginners

Get started with building iOS apps with Swift 5.3 and Xcode 12, 5th Edition

Packt Publishing Ltd Publisher's note: This edition from 2020 is outdated and does not make use of the most recent iOS and swift features. A new sixth edition, updated for iOS 15 and including new advanced topics, such as Mac Catalyst, SwiftUI, Swift Concurrency, and SharePlay, has now been published Key Features Explore the latest features of Xcode 12 and the Swift 5.3 programming language in this updated fifth edition Kick-start your iOS programming career and have fun building your own iOS apps Discover the new features of iOS 14 such as Mac Catalyst, SwiftUI, widgets and App Clips Book Description If you're looking to work and experiment with powerful iOS 14 features such as widgets and App Clips to create your own apps, this iOS programming guide is for you. The book offers a comprehensive introduction for experienced programmers who are new to iOS, taking you through the entire process of learning the Swift language, writing your own apps, and publishing them on the App Store. Fully updated to cover the new iOS 14 features, along with Xcode 12 and Swift 5.3, this fifth edition of iOS 14 Programming for Beginners starts with an introduction to the Swift programming language and shows you how to accomplish common programming tasks with it. You'll then start building the user interface (UI) of a complete real-world app using the storyboards feature in the latest version of Xcode and implement the code for views, view controllers, data managers, and other aspects of mobile apps. The book will also help you apply iOS 14 features to existing apps and introduce you to SwiftUI, a new way to build apps for all Apple devices. Finally, you'll set up testers for your app and understand what you need to do to publish your app on the App Store. By the end of this book, you'll not only be well versed in writing and publishing applications, but you'll also be able to apply your iOS development skills to enhance existing apps. What you will learn Get to grips with the fundamentals of Xcode 12 and Swift 5.3, the building blocks of iOS development Understand how to prototype an app using storyboards Discover the Model-View-Controller design pattern and how to implement the desired functionality within an app Implement the latest iOS features, such as widgets and App Clips Convert an existing iPad app into an Apple Silicon Mac app Design, deploy, and test your iOS applications with design patterns and best practices Who this book is for This book is for anyone who has programming experience but is new to Swift and iOS app development. Experienced programmers looking to explore the latest iOS 14 features will also find this book useful.

Swift Essentials

Packt Publishing Ltd Whether you are a seasoned Objective-C developer or new to the Xcode platform, Swift Essentials will provide you with all you need to know to get started with the language. Prior experience with iOS development is not necessary, but will be helpful to get the most out of the book.

Swift in Depth

Simon and Schuster Summary Now updated for Swift 5! Swift is more than just a fun language to build iOS applications with. It features a host of powerful tools that, if effectively used, can help you create even better apps with clean,

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

IOS Programming

The Big Nerd Ranch Guide

IOS Programming

The Big Nerd Ranch Guide

CreateSpace Thought-provoking and accessible in approach, this updated and expanded second edition of the iOS Programming: The Big Nerd Ranch Guide provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for advanced graduate-level students. We hope you find this book useful in shaping your future career. Feel free to send us your enquiries related to our publications to info@risepress.pw Rise Press

Effective Objective-C 2.0

52 Specific Ways to Improve Your iOS and OS X Programs

Addison-Wesley 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

IOS App Development for Non-Programmers - Book 1

The Series on How to Write iPhone and iPad Apps: Diving In

This first book in the series from Kevin McNeish is specifically designed to teach non-programmers how to create Apps for the iPhone and iPad.

The Busy Coder's Guide to Advanced Android Development

Commonware, LLC There are many Android programming guides that give you the basics. This book goes beyond simple apps into many areas of Android development that you simply will not find in competing books. Whether you want to add home screen app widgets to your arsenal, or create more complex maps, integrate multimedia features like the camera, integrate tightly with other applications, or integrate scripting languages, this book has you covered. Moreover, this book has over 50 pages of Honeycomb-specific material, from dynamic fragments, to integrating navigation into the action bar, to creating list-based app widgets. It also has a chapter on using NFC, the wireless technology behind Google Wallet and related services. This book is one in CommonsWare's growing series of Android related titles, including "The Busy Coder's Guide to Android Development," "Android Programming Tutorials," and the upcoming "Tuning Android Applications." Table of Contents WebView, Inside and Out Crafting Your Own Views More Fun With ListViews Creating Drawables Home Screen App Widgets Interactive Maps Creating Custom Dialogs and Preferences Advanced Fragments and the Action Bar Animating Widgets Using the Camera Playing Media Handling System Events Advanced Service Patterns Using System Settings and Services Content Provider Theory Content Provider Implementation Patterns The Contacts ContentProvider Searching with SearchManager Introspection and Integration Tapjacking Working with SMS More on the Manifest Device Configuration Push Notifications with C2DM NFC The Role of Scripting Languages The Scripting Layer for Android JVM Scripting Languages Reusable Components Testing Production

Programming in Objective-C 2.0

Pearson Education 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

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