

## Objective C Programming The Big Nerd Ranch Guide Challenge Answers

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. 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 development 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>. Provides the final report of the 9/11 Commission detailing their findings on the September 11 terrorist attacks. The perfect beginner's guide to Objective-C 2.0, the essential language for over 1,000,000 Mac OS X, iPhone, and iPod touch developers! •Concise, readable, and friendly: designed to get new Objective-C programmers up and running fast! •Covers everything readers need to know, from basic Object-Oriented Programming to general C concepts. •Walks through code examples one line at a time, and also offers high-level explanations what's happening 'behind the scenes' of Objective-C programs. Long-time OS X and iPhone developer Robert Clair begins with a concise review of the object-oriented and C concepts that all Objective-C developers need to know. Next, he introduces the basics of the Objective-C language, walking through code examples one line at a time, and offering high-level explanations of what's happening 'behind the scenes.' Clair concludes with advanced topics carefully chosen for their real-world value. Including detailed coverage of memory management and the differences between 32-bit and 64-bit programs. Throughout, Learning Objective-C 2.0 focuses consistently on the features, concepts, and techniques that matter most in day-to-day programming – not complex 'edge cases' or abstract theory. The result: an outstanding first book for every beginner who wants to program for Apple's fast-growing iPhone and Mac OS X platforms. Note: This will be the **entire** new book for Objective-C newcomers. Readers who complete it can move on to Stephen Kochan's highly-regarded Programming in Objective-C 2.0 and then to our more specialized Apple development titles, such as David Chisnall's Cocoa Developer's Handbook, Fritz Anderson Xcode 3.x Unleashed , and Aaron Hillegass's Cocoa Programming for Mac OS X Third Ed

A Dictionary of Arts, Sciences, Literature and General Information

Developing for the Mac and iOS App Stores

Web Programming with HTML5, CSS, and JavaScript

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

Objective-C Programming

NSHipster

Provides information on using the iPhone SDK tools to create effective applications.

You have a great idea for an app, but where do you begin? Objective-C is the universal language of iPhone, iPad, and Mac apps, and Objective-C for Absolute Beginners, Second Edition starts you on the path to mastering this language and its latest release. Using a hands-on approach, you'll learn how to think in programming terms, how to use Objective-C to construct program logic, and how to synthesize it all into working apps. Gary Bennett, an experienced app developer and trainer, will guide you on your journey to becoming a successful app developer. If you're looking to take the first step towards App Store success, Objective-C for Absolute Beginners is the place to start.

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

The authors provide clear examples and thorough explanations of every feature in the C language. They teach C vis-à-vis the UNIX operating system. A reference and tutorial to the C programming language. Annotation copyrighted by Book News, Inc., Portland, OR

Learn Objective-C on the Mac

iOS App Development for Non-Programmers - Book 1

Programming in Objective-C 2.0

52 Specific Ways to Improve Your iOS and OS X Programs

High Performance iOS Apps

The Fourth Industrial Revolution

Learn to write apps for some of today's hottest technologies, including the iPhone and iPad (using iOS), as well as the Mac (using OS X). It starts with Objective-C, the base language on which the native iOS software development kit (SDK) and the OS X are based. Learn Objective-C on the Mac: For OS X and iOS, Second Edition updates a best selling book and is an extensive, newly updated guide to Objective-C. Objective-C is a powerful, object-oriented extension of C, making this update the perfect follow-up to Dave Mark's bestselling Learn C on the Mac. Whether you're an experienced C programmer or you're coming from a different language such as C++ or Java, leading Mac experts Scott Knaster and Nagar Malik show how to harness the power of Objective-C in your apps! A complete course on the basics of Objective-C using Apple's newest Xcode tools An introduction to object-oriented programming

Comprehensive coverage of new topics like blocks, GCD, ARC, class extensions, as well as inheritance, composition, object initialization, categories, protocols, memory management, and organizing source files An introduction to building user interfaces using what is called the UIKit A primer for non-C programmers to get off the ground even faster

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

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.

Learn key topics such as language basics, pointers and pointer arithmetic, dynamic memory management, multithreading, and network programming. Learn how to use the compiler, the make tool, and the archiver.

iOS 5 Programming Cookbook

Programming in C

Head First iPhone and iPad Development

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

Cocoa Programming for OS X

Optimize Your Code for Better Apps

Updated and expanded to cover iOS 7 and Xcode 5, 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 Bootcamp course 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. Here are some of the topics covered: Xcode 5, Instruments, and Storyboards Building interfaces using the iOS 7 aesthetic ARC and strong and weak references Handling touch events and gestures Toolbars, navigation controllers, and split view controllers Using Auto Layout to scale user interfaces Using Dynamic Type to scale fonts Localization and Internationalization Block syntax and use Saving/loading data: Archiving and Core Data Core Location and Map Kit Communicating with web services using JSON Using the Model-View-Controller-Store design pattern

You Will Learn Cl Zed Shaw has crafted the perfect course for the beginning C programmer eager to advance their skills in any language. Follow it and you will learn the many skills early and junior programmers need to succeed—just like the hundreds of thousands of programmers Zed has taught to date! You bring discipline, commitment, persistence, and experience with any programming language; the author supplies everything else. In Learn C by the Hard Way , you'll learn C by working through 52 brilliantly crafted exercises. Watch Zed Shaw's teaching video and read the exercise. Type his code precisely. (No copying and pasting!) Fix your mistakes. Watch the programs run. As you do, you'll learn what good, modern C programs look like; how to think more effectively about code; and how to find and fix mistakes far more efficiently. Most importantly, you'll master rigorous defensive programming techniques, so you can use any language to create software that protects itself from malicious activity and defects. Through practical projects you'll apply what you learn to build confidence in your new skills. Shaw teaches the key skills you need to start writing excellent C software, including Setting up a C environment Basic syntax and idioms Compilation, make files, and linkers Operators, variables, and data types Program control Arrays and strings Functions, pointers, and structs Memory allocation I/O and files Libraries Data structures, including linked lists, sort, and search Stacks and queues Debugging, defensive coding, and automated testing Fixing stack overflows, illegal memory access, and more Breaking and hacking your own C code! It'll Be Hard at First.

Now Soon, You'll Just Get It—And That Will Feel Great! This tutorial will reward you for every minute you put into it. Soon, you'll know one of the world's most powerful programming languages. You'll be a C programmer.

Take your coding skills to the next level with this extensive guide to Objective-C, the native programming language for developing sophisticated software applications for Mac OS X. Objective-C is a powerful, object-oriented extension of C, making this book the perfect follow-up to Dave Mark's bestselling Learn C on the Mac, Mac OS X Edition. Whether you're an experienced C programmer or you're coming from a different language such as C++ or Java, leading Mac experts Mark Dalrymple and Scott Knaster show you how to harness the powers of Objective-C in your applications! A complete course on the basics of Objective-C using Apple's free Xcode tools An introduction to object-oriented programming Comprehensive coverage of inheritance, composition, object initialization, categories, protocols, memory management, and organizing source files A brief tour of Cocoa's foundation framework and AppKit A helpful "learning curve" guide for non-C developers

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

Head First iPhone Development

Swift Programming

A Book on C

A Brain-Friendly Guide

Learning iPhone Programming

Learn C the Hard Way

Looks at the basics of Objective-C programming for Apple technologies, covering such topics as Xcode, classes, properties, categories, loops, and ARC.

The Big Nerd Ranch iOS 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

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.

Objective-C ProgrammingThe Big Nerd Ranch GuidePearson Education

iPhone, iPad and Mac Programming Made Easy

Final Report of the National Commission on Terrorist Attacks Upon the United States

Solutions & Examples for iPhone, iPad, and iPod Touch Apps

Beginning iPhone SDK Programming with Objective-C

Effective Objective-C 2.0

From Xcode to App Store

Get the hands-on experience you need to program for the iPhone and iPod Touch. With this easy-to-follow guide, you'll build several sample applications by learning how to use Xcode tools, the Objective-C programming language, and the core frameworks. Before you know it, you'll not only have the skills to develop your own apps, you'll know how to sail through the process of submitting apps to the iTunes App Store. Whether you're a developer new to Mac programming or an experienced Mac developer ready to tackle the iPhone and iPod Touch, Learning iPhone Programming will give you a head start on building market-ready iPhone apps. Start using Xcode right away, and learn how to work with Interface Builder Take advantage of model-view-controller (MVC) architecture with Objective-C Build a data-entry interface, and learn how to parse and store the data you receive Solve typical problems while building a variety of challenging sample apps Understand the demands and details of App Store and ad hoc distribution Use iPhone's accelerometer, proximity sensor, GPS, digital compass, and camera Integrate your app with iPhone's preference pane, media playback, and more

Web Programming with HTML5, CSS, and JavaScript is written for the undergraduate, client-side web programming course. It covers the three client-side technologies (HTML5, CSS, and JavaScript) in depth, with no dependence on server-side technologies.

This updated and expanded second edition of the Objective-C Programming: The Big Nerd Ranch Guide (2nd Edition) (Big Nerd Ranch 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.

To be an NSHipster is to care deeply about the craft of writing code. In cultivating a deep understanding and appreciation of Objective-C, its frameworks and ecosystem, one is able to create apps that delight and inspire users. Combining articles from NSHipster.com with new essays, this book is the essential guide for modern iOS and Mac OS X developers.

The Big Nerd Ranch Guide (2nd Edition)

The Encyclopædia Britannica

A Hands-on Guide to Objective-C for Mac and iOS Developers

Cocoa Programming for Mac OS X

Learning iPad Programming

Obscure Topics in Cocoa and Objective C

**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: Appendices A Glossary B Objective-C 2.0 Language Summary C Address Book Source Code D Resources

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.

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

**Get Started Fast with Objective-C 2.0 Programming for OS X Mountain Lion, iOS 5.1, and Beyond** Fully updated for Xcode 4.4, Learning Objective-C 2.0, Second Edition, is today's most useful beginner's guide to Objective-C 2.0. One step at a time, it will help you master the newest version of Objective-C 2.0 and start writing high-quality programs for OS X 10.8 Mountain Lion, iOS 5.1, and all of Apple's newest computers and devices. For any developer, Robert Clair first reviews the essential object and C concepts that every Objective-C 2.0 developer needs to know. Next, he introduces the basics of the Objective-C 2.0 language itself, walking through code examples one line at a time and explaining what's happening behind the scenes. This revised edition thoroughly introduces Apple's new Automated Reference Counting (ARC), and also teaches foundational memory-management techniques that remain indispensable. Carefully building on what you've already learned, Clair progresses to increasingly sophisticated techniques in areas ranging from frameworks to security. Every topic has been carefully chosen for its value in real-world, day-to-day programming, and many topics are supported by hands-on practice exercises. Coverage includes

Reviewing key C techniques and concepts, from program structure and formats to variables and scope · Understanding how objects and classes are applied in Objective-C 2.0 · Writing your first Objective-C program with Xcode 4.4 · Using messaging to efficiently perform tasks with objects · Getting started with Apple's powerful frameworks and foundation classes · Using Objective-C control structures, including Fast Enumeration and exception handling · Adding methods to classes without subclassing · Using declared properties to save time and simplify your code · Mastering ARC and conventional memory management, and knowing when to use each · Using Blocks to prepare for concurrency with Apple's Grand Central Dispatch · Leveraging Xcode 4.4 improvements to enums and @implementation

iOS Programming

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

**A Hands-on Guide to Building iPad Apps**

**Practical Exercises on the Computational Subjects You Keep Avoiding (Like C)**

**Objective-C for Absolute Beginners**

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 turn 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.

Between the 18th and 19th centuries, Britain experienced massive leaps in technological, scientific, and economic advancement.

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

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.

Kotlin Programming

The Big Nerd Ranch Guide

Learning Objective-C 2.0

Objective-C Fundamentals

Head First C

A Hands-on Guide to Objective-C for Mac and iOS Developers

A guide to iPad programming provides instructions on building PhotoWheel, a photo management and sharing application, using Apple's newest iOS.

Introduces the features of the C programming language, discusses data types, variables, operators, control flow, functions, pointers, arrays, and structures, and looks at the UNIX system interface

Summary of 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

Learning Cocoa with Objective-C is the "must-have" book for people who want to develop applications for Mac OS X, and is the only book approved and reviewed by Apple engineers. Based on the Jaguar release of Mac OS X 10.2, this edition of Learning Cocoa includes examples that use the Address Book and Universal Access APIs. Also included is a handy quick reference card, charting Cocoa's Foundation and AppKit frameworks, along with an Appendix that includes a listing of resources essential to any Cocoa developer—beginning or advanced. Completely revised and updated, this 2nd edition begins with some simple examples to familiarize you with the basic elements of Cocoa programming as well Apple's Developer Tools, including Project Builder and Interface Builder. After introducing you to Project Builder and Interface Builder, it brings you quickly up to speed on the concepts of object-oriented programming with Objective-C, the language of choice for building Cocoa applications. From there, each chapter presents a different sample program for you to build, with easy to follow, step-by-step instructions to teach you the fundamentals of Cocoa programming. The techniques you will learn in each chapter lay the foundation for more advanced techniques and concepts presented in later chapters. You'll learn how to: Effectively use Apple's suite of Developer Tools, including Project Builder and Interface Builder Build single- and multiple-window document-based applications Manipulate text data using Cocoa's text handling capabilities Draw with Cocoa Add scripting functionality to your applications Localize your application for multiple language support Polish off your application by adding an icon for use in the dock, provide Help, and package your program for distribution Each chapter ends with a series of examples, challenging you to test your newly learned skills by tweaking the application you've just built, or to go back to an earlier example and add to it some new functionality. Solutions are provided in the Appendix, but you're encouraged to learn by trying. Extensive programming experience is not required to complete the examples in the book, though experience with the C programming language will be helpful. If you are familiar with an object-oriented programming language such as Java or Smalltalk, you will rapidly come up to speed with the Objective-C language. Otherwise, basic object-oriented and language concepts are covered where needed.

Advanced Mac OS X Programming

Programming in Objective-C

The 9/11 Commission Report

Objective-C For Dummies

iPhone Programming

The C Programming Language

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 improve your app's performance Use iOS 9 upgrades to improve your app's performance

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

Localization/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

Learning Cocoa with Objective-C

For OS X and iOS