

Ios Programming The Big Nerd Ranch Guide

Praise for previous editions of The iPhone Developer's Cookbook "This book would be a bargain at ten times its price! If you are writing iPhone software, it will save you weeks of development time. Erica has included dozens of crisp and clear examples illustrating essential iPhone development techniques and many others that show special effects going way beyond Apple's official documentation." –Tim Burks, iPhone Software Developer, TootSweet Software "Erica Sadun's technical expertise lives up to the Addison-Wesley name. The iPhone Developer's Cookbook is a comprehensive walkthrough of iPhone development that will help anyone out, from beginners to more experienced developers. Code samples and screenshots help punctuate the numerous tips and tricks in this book." –Jacqui Cheng, Associate Editor, Ars Technica "We make our living writing this stuff and yet I am humbled by Erica's command of her subject matter and the way she presents the material: pleasantly informal, then very appropriately detailed technically. This is a going to be the Petzold book for iPhone developers." –Daniel Pasco, Lead Developer and CEO, Black Pixel Luminance "The iPhone Developer's Cookbook should be the first resource for the beginning iPhone programmer, and is the best supplemental material to Apple's own documentation." –Alex C. Schaefer, Lead Programmer, ApolloIM, iPhone Application Development Specialist, MeLLmo, Inc. "Erica's book is a truly great resource for Cocoa Touch developers. This book goes far beyond the documentation on Apple's Web site, and she includes methods that give the developer a deeper understanding of the iPhone OS, by letting them glimpse at what's going on behind the scenes on this incredible mobile platform." –John Zorko, Sr. Software Engineer, Mobile Devices "I've found this book to be an invaluable resource for those times when I need to quickly grasp a new concept and walk away with a working block of code. Erica has an impressive knowledge of the iPhone platform, is a master at describing technical information, and provides a compendium of excellent code examples." –John Muchow, 3 Sixty Software, LLC; founder, iPhoneDeveloperTips.com "This book is the most complete guide if you want coding for the iPhone, covering from the basics to the newest and coolest technologies. I built several applications in the past, but I still learned a huge amount from this book. It is a must-have for every iPhone developer." –Roberto Gamboni, Software Engineer, AT&T Interactive "It's rare that developer cookbooks can both provide good recipes and solid discussion of fundamental techniques, but Erica Sadun's book manages to do both very well." –Jeremy McNally, Developer, entp <https://github.com/> <http://ericasadun.com/>

Create Amazing Real-Time Motion Graphics with Quartz Composer! Apple's Quartz Composer makes it amazingly easy to create real-time graphics of all kinds: for screensavers, animations, kiosk art, film effects, Dashboard Widgets, graphically-rich apps, and more. But few content creators use QC, because they've had practically no useful help-until now. In this book/DVD bundle, two renowned VJs who've pushed this tool to the limit show you how to do it, too! You needn't be a technical expert: Graham Robinson and Surya Buchwald introduce each concept through a hands-on project, with videos demonstrating every step. They start extremely simple, offering beautiful visual feedback and encouraging you to freely explore. The video and text work together to help you build mastery fast, as you create everything from data-driven effects to compelling live performance visuals! Coverage includes Mastering Quartz Composer's powerful interface Grabbing live inputs from music or cameras for unique interaction and improvisation Outputting video files for everything from smartphone screens to HD video edits Using built-in image filters to add visual effects Creating organic motion with LFOs, interpolation, and trackballs Fixing problems and figuring out what you did wrong Making rain, fire, and other cool stuff with particles Integrating MIDI musical instruments and other audio resources Mastering lighting and timelines Building richer environments with replication, iteration, and 3D modeling Pushing the boundaries with secret patches, CoreImage filters, and

GLSL If you're a motion graphics designer, filmmaker, VJ, artist, interactive programmer, Cocoa developer, or any other type of "Maker," this book will guide you from acolyte to wizard in no time... and it just might be the most fun instructional you'll ever read! 0321636945 / 9780321636942 Learning Quartz Composer: A Hands-On Guide to Creating Motion Graphics with Quartz Composer Package consists of: 013308776X / 9780133087765 Learning Quartz Composer: A Hands-On Guide to Creating Motion Graphics with Quartz Composer 0321857577 / 9780321857576 Learning Quartz Composer, DVD: A Hands-On Guide to Creating Motion Graphics with Quartz Composer 0321857585 / 9780321857583 Learning Quartz Composer, Book Component: A Hands-On Guide to Creating Motion Graphics with Quartz Composer
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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

In Xcode 4 Unleashed, renowned Mac/iOS developer Fritz Anderson shows how to use Apple's powerful new Xcode 4 integrated development environment to develop outstanding software with the least effort possible. Anderson demonstrates Xcode 4 by walking through the construction of three full applications: a command-line tool, an iOS app, and a Mac OS X application. These case-study projects offer practical insights and realistic best practices for efficiently utilizing Xcode 4 in day-to-day development. Next, he drills down to offer an even deeper understanding of Xcode 4's most powerful capabilities. Through practical examples, he shows experienced Apple developers how to move to Xcode 4's "browser" model from older document-based approaches. You'll also find thorough, up-to-the-minute coverage of key tasks ranging from builds and profiling to documentation. He concludes with a chapter-length roundup of "tips, traps, and features" for maximizing your productivity with Xcode 4—whether you're writing iOS apps or Mac applications, working solo, or as part of a large development team. Detailed information on how to... Get started fast with Xcode 4 project workflow Master Xcode 4's new features and development paradigms Construct modern iOS and Mac user interfaces with Interface Builder Implement Model-View-Controller designs in iOS apps Use Storyboard to specify an iOS app's entire structure in one file Leverage Xcode's first-class unit testing and measurement tools Master the essentials of iOS provisioning Use Mac OS X

bindings to simplify the link between data and screen Quickly localize Mac and iOS software for new languages and markets Package and share subprograms that can be integrated into any OS X application Use the Xcode Build System to move from source files to executable products Fully understand and optimize performance and resource usage Register your copy today at informit.com/register to download a free 90+ page guide to 4.4 & 4.5 feature changes Looks at the basics of Objective-C programming for Apple technologies, covering such topics as Xcode, classes, properties, categories, loops, and ARC.

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.

Presents a guide to the concepts and coding of iOS to create a variety of applications, covering such topics as debugger, core location, reference counting, blocks and categories in Objective-C, and push notifications.

The Only Tutorial Covering BOTH iOS and Android—for students and professionals alike! Now, one book can help you master mobile app development with both market-leading platforms: Apple's iOS and Google's Android. Perfect for both students and professionals, Learning Mobile App Development is the only tutorial with complete parallel coverage of both iOS and Android. With this guide, you can master either platform, or both—and gain a deeper understanding of the issues associated with developing mobile apps. You'll develop an actual working app on both iOS and Android, mastering the entire mobile app development lifecycle, from planning through licensing and distribution. Each tutorial in this book has been carefully designed to support readers with widely varying backgrounds and has been extensively tested in live developer training courses. If you're new to iOS, you'll also find an easy, practical introduction to Objective-C, Apple's native language. All source code for this book, organized by chapter, is available at <https://github.com/LearningMobile/BookApps> Coverage includes Understanding the unique design challenges associated with mobile apps Setting up your Android and iOS development environments Mastering Eclipse development tools for Android and Xcode 5 tools for iOS Designing interfaces and navigation schemes that leverage each platform's power Reliably integrating persistent data into your apps Using lists (Android) or tables (iOS) to effectively present data to users Capturing device location, displaying it, and using it in your apps Accessing hardware devices and sensors Publishing custom apps internally within an organization Monetizing your apps on Apple's AppStore or the Google Play marketplace, as well as other ways of profiting from app development, such as consulting and developer jobs 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.

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

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

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 bestselling 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

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. This book presents research reports selected to indicate the state of the art in intelligent and database systems and to promote new research in this field. It includes 34 chapters based on original research presented as posters at the 11th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2019), held in Yogyakarta, Indonesia on 8–11 April 2019. The increasing use of intelligent and database systems in various fields, such as industry, medicine and science places those two elements of computer science among the most important directions of research and application, which currently focuses on such key technologies as machine learning, cloud computing and processing of big data. It is estimated that further development of intelligent systems and the ability to gather, store and process enormous amounts of data will be needed to solve a number of crucial practical and theoretical problems. The book is divided into five parts: (a) Sensor Clouds and Internet of Things, (b) Machine Learning and Decision Support Systems, (c) Computer Vision Techniques and Applications, (d) Intelligent Systems in Biomedicine, and (e) Applications of Intelligent Information Systems. It is a valuable resource for researchers and practitioners interested in increasing the synergy between artificial intelligence and database technologies, as well as for graduate and Ph.D. students in computer science and related fields.

“Not many books have a single project that lives and evolves through the entire narrative. The reason not many books do this is because it is difficult to do well. Important toolkit features get shoehorned in weird places because the author didn't do enough up-front design time. This book, though, takes you from design, to a prototype, to the Real Deal. And then it goes further.” —Mark Dalrymple, cofounder of CocoaHeads, the international Mac and iPhone programmer community; author of *Advanced Mac OS X Programming: The Big Nerd Ranch Guide* *Learning iPad Programming, Second Edition*, will help you master all facets of iPad programming with Apple's newest tools. Its in-depth, hands-on coverage fully addresses the entire development process, from installing the iOS

SDK through coding, debugging, submitting apps for Apple's review, and deployment. Extensively updated for Apple's newest iOS features and Xcode 4.x updates, this book teaches iPad programming through a series of exercises centered on building PhotoWheel, a powerful personal photo library app. As you build PhotoWheel, you'll gain experience and real-world insights that will help you succeed with any iPad development project. Leading iOS developers Kirby Turner and Tom Harrington introduce the essentials of iOS development, focusing on features that are specific to iPad. You'll find expert coverage of key topics many iOS development books ignore, from app design to Core Data. You'll also learn to make the most of crucial iOS and Xcode features, such as Storyboarding and Automatic Reference Counting (ARC), and extend your app with web services and the latest iCloud syncing techniques. Learn how to Build a fully functional app that uses Core Data and iCloud syncing Use Storyboarding to quickly prototype a functional UI and then extend it with code Create powerful visual effects with Core Animation and Core Image Support AirPrint printing and AirPlay slideshows Build collection views and custom views, and use custom segues to perform custom view transitions Download the free version of PhotoWheel from the App Store today! Import, manage, and share your photos as you learn how to build this powerful app.

In recent years, our world has experienced a profound shift and progression in available computing and knowledge sharing innovations. These emerging advancements have developed at a rapid pace, disseminating into and affecting numerous aspects of contemporary society. This has created a pivotal need for an innovative compendium encompassing the latest trends, concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline. The Encyclopedia of Information Science and Technology, Fourth Edition is a 10-volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts and researchers from around the globe. This authoritative encyclopedia is an all-encompassing, well-established reference source that is ideally designed to disseminate the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and new technologies in modern settings, including but not limited to computer science, education, healthcare, government, engineering, business, and natural and physical sciences, it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and technology and is an invaluable addition to every academic and corporate library.

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,

Interdisciplinary Research Community is a crucial reference source that covers novel and emerging research in the field of information science and technology, specifically focusing on underrepresented technologies and trends that influence and engage the knowledge society. While highlighting topics that include computational thinking, knowledge management, artificial intelligence, and visualization, this book is essential for academicians, researchers, and students with an interest in information management.

Take your Cocoa programming to the next level - and take your apps further than ever before! *Empowers Cocoa developers with powerful new techniques: from Spotlight and QuickLook support to unit testing and automated updates. *Reveals Cocoa secrets that can't be found in Apple's documentation. *Part of a new series of Mac development guides from Aaron Hillegass and the legendary Mac experts at The Big Nerd Ranch, the worldwide leader in professional training for Mac developers! There's a fast growing audience of Mac OS X developers who are getting comfortable with Apple's Cocoa framework and now want to take their skills to the next level. Many of them began with Aaron Hillegass's classic book, Cocoa Programming for Mac OS X . Now, in Cocoa 2: The Big Nerd Ranch Guide, Hillegass and colleague Juan Pablo Claude show experienced Cocoa developers how to build Cocoa applications that work better and do more than ever before. Starting from a basic sample application, developers will walk through adding powerful new functionality, one step at a time. As they do, they'll master valuable Cocoa tips and tricks that can't be found in any other book. The authors' detailed, example-rich coverage includes: *Uncovering the secrets of Cocoa's text system - and making the most of it. *Incorporating support for Spotlight, Quick Look, AppleScript, and other advanced OS X platform technologies. *Providing more effective help and accessibility features. *Delivering applications as packages. *Implementing automatic updates via Sparkle. *Using unit testing to deliver more reliable code. *Incorporating graphics and animations into your software, and much more This title is part of the brand-new Big Nerd Ranch Press series: the world's best books on Mac and iPhone development, straight from the world's #1 Mac programming trainers - Aaron Hillegass and Big Nerd Ranch! .

Get Started Fast with iOS 7 Core Data App Development Covers iOS 7 and Xcode 5 This is the first Core Data book to fully reflect Apple's latest platform innovations, including its dramatic recent improvements to iCloud support. Hands-on from start to finish, it teaches you step-by-step as you create a modern data-driven iOS app using Storyboards, ARC, iOS 7, and Xcode 5. Tim Roadley introduces new patterns and best practices designed to overcome the frustrations of Core Data development. One step at a time, you'll build and extend your skills--even mastering advanced techniques such as complex model migration, deep copy, background processing, and integration with Dropbox, StackMob, and iCloud. Downloadable versions of this book's main project are provided with each chapter, so you can see exactly what your app project should look like--and get cookbook-style code for your own projects. Chapter exercises help you explore even further, whether you're a self-learner or a student in an iOS development course. If you're an experienced iOS developer, this guide brings together all the skills, tools, code, and patterns you need to add powerful data management capabilities to any app--quickly, easily, and painlessly. Coverage includes the following: Understanding Core Data Adding Core Data to an existing project

Designing, upgrading, and migrating data models (automatically and manually with progress indication) Populating views with data, including table-views and picker-views Preloading a “default data” persistent store from XML Deep-copying from one persistent store to another Performance tuning with Instruments, using large photos as the example Background processing, using thumbnail generation as the example Efficient search Seamlessly backing up and restoring with Dropbox Stable integration with iCloud--with full support for multiple accounts, seeding, and de-duplication Web service integration with StackMob

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.

From cloud computing to data analytics, society stores vast supplies of information through wireless networks and mobile computing. As organizations are becoming increasingly more wireless, ensuring the security and seamless function of electronic gadgets while creating a strong network is imperative. *Advanced Methodologies and Technologies in Network Architecture, Mobile Computing, and Data Analytics* highlights the challenges associated with creating a strong network architecture in a perpetually online society. Readers will learn various methods in building a seamless mobile computing option and the most effective means of analyzing big data. This book is an important resource for information technology professionals, software developers, data analysts, graduate-level students, researchers, computer engineers, and IT specialists seeking modern information on emerging methods in data mining, information technology, and wireless networks.

Through the authors' carefully constructed explanations and examples, you will develop an understanding of Swift grammar and the elements of effective Swift style. At the same time, you will learn how to navigate Xcode and get the most out of Apple's documentation. In addition, 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 this book, you will have the knowledge and confidence to develop your own solutions to a wide range of programming challenges using Swift.

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.

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>.

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

A guide to iPad programming provides instructions on building PhotoWheel, a photo

management and sharing application, using iOS 5.

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

Begin your iOS mobile application development journey with this accessible, practical guide About This Book Use Swift 3 and latest iOS 10 features to build awesome apps for iPhone and iPad Explore and use a wide range of Apple development tools to become a confident iOS developer From prototype to App Store—find out how to build an app from start to finish! Who This Book Is For This book is for beginners who want to be able to create iOS applications. If you have some programming experience, this book is a great way to get a full understanding of how to create an iOS application from scratch and submit it to the App Store. You do not need any knowledge of Swift or any prior programming experience. What You Will Learn Get to grips with Swift 3 and Xcode, the building blocks of Apple development Get to know the fundamentals of Swift, including variables, constants, and control flow Discover the distinctive design principles that define the iOS user experience See how to prototype your app with Swift's Playgrounds feature Build a responsive UI that looks great on a range of devices Find out how to use CoreLocation to add location services to your app Add push notifications to your app Make your app able to be used on both iPhone and iPad In Detail You want to build iOS applications for iPhone and iPad—but where do you start? Forget sifting through tutorials and blog posts, this is a direct route into iOS development, taking you through the basics and showing you how to put the principles into practice. With every update, iOS has become more and more developer-friendly, so take advantage of it and begin building applications that might just take the App Store by storm! Whether you're an experienced programmer or a complete novice, this book guides you through every facet of iOS development. From Xcode and Swift—the building blocks of modern Apple development—and Playgrounds for beginners, one of the most popular features of the iOS development experience, you'll quickly gain a solid foundation to begin venturing deeper into your development journey. For the experienced programmer, jump right in and learn the latest iOS 10 features. You'll also learn the core elements of iOS design, from tables to tab bars, as well as more advanced topics such as gestures and animations that can give your app the edge. Find out how to manage databases, as well as integrating standard elements such as photos, GPS into your app. With further guidance on beta testing with TestFlight, you'll quickly learn everything you need to get your project on the App Store! Style and approach Created for anyone that wants to build their first iOS application, this book offers practical, actionable guidance through iOS development. Combining engaging visuals with accessible, step-by-step instruction and explanation, this book will not only develop your understanding, but also show you how to put your knowledge to work.

The Advanced iOS 6 Developer's Cookbook brings together reliable, proven solutions for cutting-edge iOS 6 development. World-renowned iOS expert Erica Sadun covers device-specific development, document/data sharing, Core Text, networking, image processing, onboard cameras, audio, Address Book, Core Location, GameKit, StoreKit, push notifications, and more. 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 advanced and specialized iOS 6

development. All code is tested with iOS 6 features and 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 Testing device properties so your app can take full advantage of the iOS unit it's running on Seamlessly sharing documents and data across apps and moving control between apps Presenting exceptionally attractive text with freeform text typesetting Building touch-based apps that leverage Bezier curves, splines, and other geometric tools Securing network apps via authentication, system keychains, and OAuth Accessing and processing image data to create special effects Integrating live camera feeds and user snapshots Presenting audio to users and enabling them to interact with it Effectively using Address Book frameworks and GUI classes Building advanced location apps with Core Location geopositioning and MapKit Creating connected game play with GameKit/Game Center: device-to-device networking, shared leaderboards, and Internet-based matches Integrating secure in-app purchasing with StoreKit Communicating with users from web-based services via push notifications

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