

## Apple Xcode 4 User Guide

Updated and revised coverage that includes the latest versions of iOS and Xcode Whether you're a novice or experienced developer, you will want to dive into this updated resource on database application programming for the iPhone and iPad. Packed with more than 50 percent new and revised material - including completely rebuilt code, screenshots, and full coverage of new features pertaining to database programming and enterprise integration in iOS 6 - this must-have book intends to continue the precedent set by the previous edition by helping thousands of developers master database application programming. Shows you how to store data using SQLite, model and manage data using Core Data, and integrate with Web Services Explains how to take advantage of the built-in capabilities of the iPhone and iPad Details techniques for integrating iOS applications into enterprise class systems Encourages you to take advantage of multi-core processors, store data in the cloud, and use storyboards to develop the UI for your app By the end of the book, you will be able to confidently implement a data driven application for the iPhone and iPad and integrate an iOS application within an existing enterprise system.

Presents twenty-four lessons on developing applications for the iPhone and iPad, and includes information on navigating the development environment, building advanced user interfaces, and integrating online services.

This is a step-by-step book that builds on your knowledge by adding to an example app over the course of each chapter. Each topic uses example code that can be compiled and tested to show how things work practically instead of just telling you the theory. Complicated tasks are broken down into easy to follow steps with clear explanations of what each line of code is doing. Whether you are a novice to iOS development or looking for a simpler alternative to Objective-C; with RubyMotion iOS Development Essentials, you will become a pro at writing great iOS apps

Interested in iPhone and iPad apps development? Want to learn more? Whether you're a self-taught iPhone and iPad apps development genius or have just made your way through the pages of Beginning iOS 6 Development, we have the perfect book for you. More iOS 6 Development: Further Explorations of the iOS SDK digs deeper into Apple's latest iOS 6 SDK. Bestselling authors Dave Mark, Alex Horovitz, Kevin Kim and Jeff LaMarche explain concepts as only they can—covering topics like Core Data, peer-to-peer networking using GameKit and network streams, working with data from the web, MapKit, in-application e-mail, and more. All the concepts and APIs are clearly presented with code snippets you can customize and use, as you like, in your own apps. If you are going to write a professional iPhone or iPad app, you'll want to get your arms around Core Data, and there's no better place to do so than in the pages of this book. The book continues right where Beginning iOS 6 Development leaves off, with a series of chapters devoted to Core Data, the standard for Apple persistence. Dave, Alex, Kevin and Jeff carefully step through each Core Data concept and show techniques and tips specifically for writing larger apps—offering a breadth of coverage you won't find anywhere else. The Core Data coverage alone is worth the price of admission. But there's so much more! More iOS 6 Development covers a variety of networking mechanisms, from GameKit's relatively simple Bluetooth peer-to-peer model, to the

addition of Bonjour discovery and network streams, through the complexity of accessing files via the web. Dave, Alex, Kevin, and Jeff will also take you through coverage of concurrent programming and some advanced techniques for debugging your applications. The enhanced multitasking, threading, memory management and more are important. Apps are getting more and more complex, including sophisticated game apps that offer virtual or augmented reality experiences and new mapping views that take advantage of sensors and other APIs in the newest iOS 6 SDK. Whether you are a relative newcomer to iPhone and iPad or iOS development or an old hand looking to expand your horizons, there's something for everyone in More iOS 6 Development. Presents techniques for creating a variety of applications for Apple's mobile devices including the iPhone, iPod touch, and iPad. Learn to build extraordinary apps for iPhone, iPad, and iPod touch iOS is the hottest development platform around, and iOS 6 adds a new and deeper dimension to explore. This guide offers serious information for serious programmers who know the basics and are ready to dive into the advanced features of iOS. You'll learn to create killer apps for the iPad, iPhone, and iPod touch, including how to maximize performance and make more money from your apps with in-app purchases. Topics covered include security, multitasking, running on multiple platforms, blocks and functional programming, advanced text layout, and much more. App development for iPhones and iPads is a lucrative and exciting venture; books on this topic are steady bestsellers This advanced guide helps experienced developers take full advantage of the latest platform upgrade, iOS 6 Provides in-depth background on maximizing your apps with Apple's iPhone SDK 6.0, including the major new APIs and building applications for the new iPad Covers keeping control of multitasking, increasing income with in-app purchases, key value observing with Cocoa, running on multiple platforms, advanced text layout, building a Core foundation, and more iOS 6 Programming: Pushing the Limits gives experienced mobile developers a wealth of knowledge for creating outstanding iPhone and iPad apps on the latest platform. In just 24 sessions of one hour or less, Sams Teach Yourself Xcode 4 in 24 Hours will help you achieve breakthrough productivity with Apple's new Xcode 4.3+ development environment for OS X and iOS devices. Every lesson introduces new concepts and builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common Xcode 4 development tasks. Quizzes and Exercises at the end of each chapter help you test your knowledge. By the Way notes present interesting information related to the discussion. Did You Know? tips offer advice or show you easier ways to perform tasks. Watch Out! cautions alert you to possible problems and give you advice on how to avoid them. Printed in full color—figures and code appear as they do in Xcode 4.3+ Master the MVC design pattern at the heart of iOS and OS X development Use Xcode project templates to get a head start on advanced application features Efficiently use the Xcode Code Editor and get fast, contextually-aware answers with the built-in help system Use iOS Storyboards to visually describe an application's workflow Get started with Core Data to simplify data management and data-driven user interfaces Use frameworks and libraries to package functionality and promote time-saving code reuse Use Git and Subversion source control for managing distributed projects Prepare Unit tests and use the Xcode debugger to keep your projects error free Package your apps for the App Store Use the command-line Xcode tools for scripting and build automation

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

A practical introduction for using iOS 6 to create universalapps If you have prior experience programming in an object-orientedlanguage and are eager to start building universal apps for iPadand iPhone (including the iPod touch), then this is the book foryou! Using the latest version of iOS (iOS 6) along with the latestversion of Xcode (Xcode 4.5), this book is a practical introductionrather than just a catalog of components. Full-color and packedwith groundbreaking, innovative designs, this book teaches you howto create eye-catching, unique apps. Teaches you the various aspects of iOS development, beginningwith getting started with iOS 6, getting Up to Speed with Xcode,and learning the tools and Objective-C Reviews building the user interface with Xcode and InterfaceBuilder Details how to set up your app in iTunes connect and distributeit through the app store Walks you through adding features like geo-location and twittersharing Helps you avoid common pitfalls and design decisions related to user experience and iOS programming iOS 6 Foundations is organized so that each chapterbuilds on the previous, providing you with a finished app by theend of the book.

Xcode is the flagship application of Apple's suite of developer tools. In this book, Xcode experts Maurice Kelly and Joshua Nozzi show you how to use Apple's powerful developer tools to start writing iOS and OS X apps. You'll learn what Xcode can do and gain a deep understanding of how Xcode works so you can create and maintain great apps of your own. After a tour of the Xcode tools suite, you'll jump in by creating a basic Cocoa app and exploring the Xcode interface. You'll learn how to manage your project, write and debug code, build user interfaces, and use version control. You'll also learn to customize the build process, write and run unit tests, profile your code, and deploy your apps. This book includes: Detailed instruction, ample illustrations, and clear examples Real-world guidance and advice Insight into best practices from two Xcode experts Emphasis on using Xcode's streamlined interface for UI design, coding, testing, and debugging

Smartphone users have come to expect high-quality apps. This has increased the importance of software testing in mobile software development. Unfortunately, testing apps—particularly the GUI—can be very time-consuming. Exercising every user interface element and verifying transitions between different views of the app under test quickly becomes problematic. For example, execution of iOS GUI test suites using Apple's UI Automation framework can take an hour or more if the app's interface is complicated. The longer it takes to run a test, the less frequently the test can be run, which in turn reduces software quality. This

book describes how to accelerate the testing process for iOS apps using HadoopUnit, a distributed test execution environment that leverages the parallelism inherent in the Hadoop platform. HadoopUnit was previously used to run unit and system tests in the cloud. It has been modified to perform GUI testing of iOS apps on a small-scale cluster—a modest computing infrastructure available to almost every developer. Experimental results have shown that distributed test execution with HadoopUnit can significantly outperform the test execution on a single machine, even if the size of the cluster used for the execution is as small as two nodes. This means that the approach described in this book could be adopted without a huge investment in IT resources. HadoopUnit is a cost-effective solution for reducing lengthy test execution times of system-level GUI testing of iOS apps.

Unity is an incredibly powerful and popular game creation tool, and Unity 4 brings even more great features, including Mechanim animation. Learn Unity 4 for iOS Game Development will show you how to use Unity with Xcode to create fun, imaginative 3D games for iPhone, iPad, and iPod touch. You'll learn how to optimize your game for both speed and quality, how to test and profile your game, and how to get the most out of your iOS device features, including the gyroscope and accelerometer. You'll also learn how to incorporate the latest Game Center improvements in iOS 6 into your game, how to make sure your game gets into the App Store, and even how to promote your app and track revenue. If you have a great 3D game idea, and you want to make it a reality in the App Store, then Learn Unity 4 for iOS Game Development has exactly what you need.

Create compelling 2D games with Learn cocos2d Game Development with iOS 5. This book shows you how to use the powerful cocos2d game engine to develop games for iPhone and iPad with tilemaps, virtual joypads, Game Center, and more. It teaches you: The process and best practices of mobile game development, including sprite batching, texture atlases, parallax scrolling, touch and accelerometer input. How to enhance your games using the Box2D and Chipmunk physics engines and other cocos2d-related tools and libraries. How to add UIKit views to cocos2d and how to add cocos2d to UIKit apps. The ins and outs of the Kobold2D development environment for cocos2d and its preconfigured libraries, including cocos3d and Lua. Best of all, Learn cocos2d Game Development with iOS 5 will have you making games right from the very start. It guides you step-by-step through the creation of sample games. These fun examples are modeled after popular App Store games and teach you key concepts of the cocos2d game engine and relevant tools like TexturePacker (texture atlas), PhysicsEditor (physics collision shapes), Particle Designer (particle effects), Glyph Designer (bitmap fonts), and others. This book offers a rock-solid introduction to creating games made entirely with cocos2d and little or no iOS 5 SDK and OpenGL code. It also details alternative implementations, identifies the best free and commercial tools for cocos2d game development, features coverage of the author's improved cocos2d game engine (Kobold2D), and even helps you enhance your game's marketability on the App Store.

Get ready to create killer apps for iPad and iPhone on the new iOS 7! With Apple's introduction of iOS 7, demand for developers who know the new iOS will be high. You need in-depth information about the new characteristics and capabilities of iOS 7, and that's what you'll find in this book. If you have experience with C or C++, this guide will show you how to create amazing apps for iPhone, iPad, and iPod touch. You'll also learn to maximize your programs for mobile devices using iPhone SDK 7.0. Advanced



topics such as security services, running on multiple iPlatforms, and local networking with Core Bluetooth are also covered. Prepares experienced developers to create great apps for the newest version of Apple's iOS Thoroughly covers the serious capabilities of iOS 7; information you need in order to make your apps stand out Delves into advanced topics including how to control multitasking, security services, running apps on multiple iPlatforms and iDevices, enabling in-app purchases, advanced text layout, and building a core foundation Also covers REST, advanced GCD, internationalization and localization, and local networking with Core Bluetooth iOS 7 Programming: Pushing the Limits will help you develop applications that take full advantage of everything iOS 7 has to offer.

Covers iOS 6, Xcode 4.5+, iPhone, iPad, and More! Figures and code appear as they do in Xcode 4.5+ In just 24 sessions of one hour each, learn how to build powerful applications for today's hottest handheld devices: the iPhone and iPad! Using this book's straightforward, step-by-step approach, you'll master every skill and technology you need, from setting up your iOS development environment to building great responsive user interfaces, from sensing motion to writing multitasking applications. Each lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common iOS development tasks. Activities at the end of each chapter help you test your knowledge. Notes present interesting information related to the discussion. Tips offer advice or show you easier ways to perform tasks. Cautions alert you to possible problems and give you advice on how to avoid them. • Printed in full color • Covers iOS 6.0 and up • Use the new Objective-C NSArray, NSDictionary, and NSNumber Data Type shortcuts introduced in Xcode 4.5.2 • Learn to navigate the Xcode 4.5+ development environment • Prepare your system and iDevice for efficient development • Get started quickly with Apple's Objective-C and Cocoa Touch • Understand the Model-View-Controller (MVC) development paradigm • Visually design and code interfaces using Xcode storyboards, segues, exits, and the iOS Object Library • Use Auto Layout to adapt to different screen sizes and orientations • Build advanced UIs with tables, split views, navigation controllers, and more • Read and write preferences and data, and create System Settings plug-ins • Use the iOS media playback and recording capabilities • Take photos and manipulate graphics with Core Image • Sense motion, orientation, and location with the accelerometer, gyroscope, and GPS • Integrate online services using Twitter, Facebook, Email, Web Views, and Apple Maps • Create universal applications that run on both the iPhone and iPad • Write background-aware multitasking applications • Trace and debug your applications as they run

Everything you need to know to design, code, and build amazing apps Xcode 4 is Apple's newest version of the popular development suite for creating bleeding-edge OS X and iOS apps. Written by an experienced developer and Apple-focused journalist, this book not only covers developing for OS X but also for the entire family of iOS devices, including the iPhone, iPad, and iPod touch. You'll explore the newest tools for compiling, debugging, and finding and fixing common code errors so that you can look forward to improved, smooth-running code that is developed more efficiently than ever. Takes you step-by-step through the process of developing OS X and iOS applications using Xcode 4 Examines the benefits of Xcode 4, Apple's updated, free,

object oriented programming environment Helps you tame the complex Xcode environment so you can develop amazing apps This book gets you up to speed on all the remarkable new features and redesigned user interface of Xcode 4 so you can get started creating phenomenal apps today.

Pro Team Foundation Service gives you a jump-start into Microsoft's cloud-based Application Lifecycle Management platform, taking you through the different stages of software development. Every project needs to plan, develop, test and release software and with agile practices often at a higher pace than ever before. Microsoft's Team Foundation Service is a cloud-based platform that gives you tools for agile planning and work tracking. It has a code repository that can be used not only from Visual Studio but from Java platforms and Mac OS X. The testing tools allow testers to start testing at the same time as developers start developing. The book also covers how to set up automated practices such as build, deploy and test workflows. This book: Takes you through the major stages in a software development project. Gives practical development guidance for the whole team. Enables you to quickly get started with modern development practices. With Microsoft Team Foundation Service comes a collaboration platform that gives you and your team the tools to better perform your tasks in a fully integrated way. What you'll learn What ALM is and what it can do for you. Leverage a cloud-based ALM platform for quick improvements in your development process. Improve your agile development process using integrated tools and practices. Develop automated build, deployment and testing processes. Integrate different development tools with one collaboration platform. Get started with ALM best-practices first time round. Who this book is for Pro Team Foundation Service is for any development team that wants to take their development practices to the next level. Microsoft Team Foundation Service is an excellent platform for managing the entire application development lifecycle and being a cloud-based offering it is very easy to get started. Pro Team Foundation Service is a great guide for anyone in a team who wants to get started with the service and wants to get expert guidance to do it right. Table of Contents Introduction to Application Lifecycle Management Introduction to Agile Planning, Development, and Testing Deciding on a Hosted Service Getting Started Working with the Initial Product Backlog Managing Team and Alerts Initial Sprint Planning Running the Sprint Kanban Engaging the Customer Choosing Source Control Options Working with Team Foundation Version Control in Visual Studio Working with Git in Visual Studio Working in Heterogeneous Environments Configuring Build Services Working with Builds Customizing Builds Continuous Deployment Agile Testing Test Management Lab Management

Apple's definitive guide to the powerful AppleScript scripting language, thisbook provides essential information for Macintosh power users and programmerswho want to use AppleScript to write new scripts, modify existing scripts, orwrite scriptable applications.

A guide to iPad programming provides instructions on building PhotoWheel, a photo management and sharing application, using iOS 5.

Normal 0 false false false MicrosoftInternetExplorer4 In just 24 sessions of one hour or less, you can master Mac OS X Lion development from the ground up, and start writing tomorrow's most exciting iOS-style Mac apps! Using this book's straightforward, step-by-step approach, you'll get comfortable with Apple's powerful new development tools and techniques, build engaging user interfaces, integrate data and web services, and take advantage of Apple's latest innovations...everything from gestures and multitouch to iCloud and In-App Purchasing. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common Mac OS X Lion development tasks. Quizzes at the end of each chapter help you test your knowledge. By the Way notes present interesting information related to the discussion. Did You Know? tips offer advice or show you easier ways to perform tasks. Watch Out! cautions alert you to possible problems and give you advice on how to avoid them. Printed in full color—figures and code appear as they do in Xcode Get started fast with Mac Developer Center, XCode, Objective-C, and Cocoa Programmatically control OS X Lion's powerful new features Work with Cocoa's powerful Model-View-Controller (MVC) pattern Safely manage memory and fix leaks Create robust, engaging, highly interactive user interfaces Organize Cocoa layouts, controls, bindings, tables, and collections Support gestures and multi-touch events Define user defaults and provide Preference Panes Work with documents, versions, and iOS-style Autosave Make the most of notifications, alerts, sheets, and popovers Use images and animation to make apps more powerful—and more fun Use Core Data to cleanly integrate data into your apps Query and submit data to web services Submit apps to the Mac App Store Support In-App Purchases with StoreKit

The team that brought you the bestselling Beginning iPhone Development is back again for Beginning iOS 6 Development, bringing this definitive guide up-to-date with Apple's latest and greatest iOS 6 SDK, as well as with the latest version of Xcode. There's coverage of brand new technologies, with chapters on storyboards and iCloud, for example, as well as significant updates to existing chapters to bring them in line with all the changes that came with the iOS 6 SDK. You'll have everything you need to create your very own apps for the latest iOS devices, including the iPhone 4S, iPad 2, and the latest iPod touch. Every single sample app in the book has been rebuilt from scratch using latest Xcode and the latest 64-bit iOS 6-specific project templates and designed to take advantage of the latest Xcode features. Assuming only a minimal working knowledge of Objective-C, and written in a friendly, easy-to-follow style, Beginning iOS 6 Development offers a complete soup-to-nuts course in iPhone, iPad, and iPod touch programming. The book starts with the basics, walking through the process of downloading and installing Xcode and the iOS 6 SDK, and then guides

you though the creation of your first simple application. From there, you'll learn how to integrate all the interface elements Apple touch users have come to know and love, such as buttons, switches, pickers, toolbars, and sliders. You'll master a variety of design patterns, from the simplest single view to complex hierarchical drill-downs. The confusing art of table building will be demystified, and you'll learn how to save your data using the iPhone file system. You'll also learn how to save and retrieve your data using a variety of persistence techniques, including Core Data and SQLite. And there's much more! You'll learn to draw using Quartz 2D and OpenGL ES, add multitouch gestural support (pinches and swipes) to your applications, and work with the camera, photo library, accelerometer, and built-in GPS. You'll discover the fine points of application preferences and learn how to localize your apps for multiple languages. The iOS 6 update to the bestselling and most recommended book for Cocoa touch developers Packed full of tricks, techniques, and enthusiasm for the new SDK from a developer perspective Written in an accessible, easy-to-follow style Get a rapid introduction to iPhone, iPad, and iPod touch programming. With this easy-to-follow guide, you'll learn how to develop your first marketable iOS application, from opening Xcode to submitting your product to the App Store. Whether you're a developer new to Mac programming or an experienced Mac developer ready to tackle iOS, this is your book. You'll learn about Objective-C and the core frameworks hands-on by writing several sample iOS applications, giving you the basic skills for building your own applications independently. Packed with code samples, this book is refreshed and updated for iOS 6 and Xcode 4. Discover the advantages of building native iOS apps Get started with Objective-C and the Cocoa Touch frameworks Dive deep into the table view classes for building user interfaces Handle data input, parse XML and JSON documents, and store data on SQLite Use iOS sensors, including the accelerometer, magnetometer, camera, and GPS Build apps that use the Core Location and MapKit frameworks Integrate Apple's iCloud service into your applications Walk through the process of distributing your polished app to the App Store Each chapter will take you through a new major feature of iOS 5. You will learn how to integrate each feature into your applications. If you ever wanted to learn about the latest features of iOS 5 and learn how to incorporate Twitter, iCloud and Core Image framework effects functionality into your applications, then this book is for you. You should have a good knowledge of programming experience with Objective-C, and have used Xcode 4. iPhone programming experience is not required.

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

Core Objective-C in 24 Hours provides a clear and concise overview of the programming language, describes its key features and APIs, and presents recommendations for developing Objective-C programs on the Mac. It is written for readers who want a general understanding of Objective-C technology on the Mac along with developers who want to quickly get started with the language. Within 24 hours, you will have a solid understanding of Objective-C and be ready to begin using it on your projects! The book includes a complete overview of the latest enhancements to the Objective-C language, including automatic reference counting, blocks, and other powerful features.

Xcode 4 has a brand new user interface, built upon proven technologies that Apple itself uses to build Mac OS X and iOS, and that have produced over a quarter million Mac OS X and iOS apps. This project-based book introduces readers to Apple's development environment. The book is aimed at new Mac OS X and iOS developers and assumes the reader is familiar with programming and object-oriented concepts. The book starts at the basics--how to download, install, and start using Xcode--and moves to a detailed look at building and running applications. The last part of the book covers more advanced topics, such as testing, debugging, and source-code management. With the book's approach, readers will be able to take the projects they build during the book and adapt them for use in their own projects.

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/> This step-by-step book guides you through the process of creating awesome iPhone apps using Xcode 4. As a beginner's guide, it focuses on getting you through all the major learning points in a smooth, logical order while showing you how to avoid some common pitfalls. If you want to learn how to build iPhone applications that compete with the rest and make your mark within the iPhone industry, this book is for you. You should have some basic programming experience with Objective-C, and a good understanding of OOP, as well as some knowledge of database design. No knowledge of Xcode 4 is required.

The Cocoa Touch frameworks and APIs are powerful tools for creating native iOS apps, and they're free with Xcode,

Apple's development environment. If you've already gotten your feet wet with Objective-C, and you're ready to learn more about iOS development, then *Learn Cocoa Touch for iOS* is the book for you. You'll learn on the job - building cool apps as you read through the book that will teach you what you need to know to use Cocoa Touch and prepare you for creating your own apps. *Learn Cocoa Touch for iOS* shows you how to use frameworks like MapKit, Twitter, and MediaPlayer. You'll also learn about hardware APIs so you can get the most out of your accelerometer, camera, and more. You'll even learn about more advanced features like Grand Central Dispatch. A home inventory management system A live-updating Twitter client A photo browser with an animated slideshow If you're ready for the next step toward becoming a Cocoa Touch master, this is the book for you.

Taking a hands-on learning approach, *Foundation iPhone App Development: Build An iPhone App in 5 Days with iOS 6 SDK* quickly enables existing programmers to become familiar and comfortable coding Objective-C using Xcode 4.5, Storyboarding and the iOS 6 SDK to create apps for the iPhone. Nick Kuh, an experienced, Apple award-winning developer, will teach readers how to build an iOS 6 iPhone app from start to finish in 5 days. During a 5-day process you will learn how to build a professional, custom-designed, object-oriented iPhone App. You'll start with a PhotoShop PSD design and an app idea. Then, throughout the remainder of the book, Nick will guide you through each stage of building the app. But it's you who will build the app. You will learn how to think like an app developer, how to turn an idea into a beautiful iPhone app. In addition to the code and programming practices introduced, the book includes numerous tips, tricks and lessons learned to help new iPhone App developers succeed on the App Store: SEO, in-app marketing approaches and how to win more 5 star reviews. The 5-day learning process is divided into the following key stages: Day 1 begins with the initial planning, paper prototyping and Photoshop design phases of an app idea. You'll learn how to provision your iOS apps for deployment to your iPhone. By the end of your first day you'll get to learn on the job, creating an Object-Oriented Black Jack Game that implements the Model View Controller paradigm in Objective C. Day 2 is all about Storyboarding: creating and connecting all of the user interface views of our app. Day 3 begins with table views and data population. By the end of the third day you'll be knee-deep in Core Data: building a data model and creating an editable, persistent data storage solution for your app. By Day 4 you'll be learning how to communicate with Facebook using Apple's new Social framework introduced in iOS 6. Day 5 kicks off with code and methods to add in-app social network marketing to your app. With your completed app you'll then learn how to submit an App to Apple alongside numerous tips and tricks to improve your chances of success and visibility in this unique marketplace. From start to finish, this book inherits Nick's tried and tested methods to build beautiful native iPhone Apps efficiently. After reading and using this book, you'll come away with a core iOS development process and coding concepts that can be re-used

and applied to your own iPhone app projects. Moreover, you'll gain an understanding of how to architect your own apps, write reusable code and implement best practices for faster productivity and maybe even make some money, too.

"A comprehensive guide to building, packaging, and distribution"--Cover.

Interested in iPhone and iPad apps development? Want to learn more? Whether you are a relative newcomer to iPhone and iPad or iOS development or an old hand looking to expand your horizons, we have the perfect Swift-flavored book for you. The update to the bestselling *More iPhone Development* by Dave Mark and Jeff LaMarche, *More iPhone Development with Swift* digs deeper into the new Apple Swift programming language and iOS 8 SDK, explaining complex concepts and techniques in the same friendly, easy-to-follow style you've come to expect. *More iPhone Development with Swift* covers topics like Swift, Core Data, peer-to-peer networking using Multipeer Connectivity, working with data from the web, MapKit, in-application e-mail, Camera Live-Previews integration, Barcode scanning, Face recognition and more. All the concepts and APIs are clearly presented with code snippets you can customize and use, as you like, in your own apps. You'll journey through coverage of concurrent programming and some advanced techniques for debugging your applications.

Create compelling 2D games with *Learn cocos2d 2: Game Development with iOS*. This book shows you how to use the powerful new cocos2d, version 2 game engine to develop games for iPhone and iPad with tilemaps, virtual joypads, Game Center, and more. It teaches you: The process and best practices of mobile game development, including sprite batching, texture atlases, parallax scrolling, touch and accelerometer input. How to enhance your games using the Box2D and Chipmunk physics engines and other cocos2d-related tools and libraries. How to add UIKit views to cocos2d and how to add cocos2d to UIKit apps. The ins and outs of the Kobold2D development environment for cocos2d and its pre-configured libraries, including cocos3d and Lua. Best of all, this book will have you making games right from the very start. It guides you step-by-step through the creation of sample games. These fun examples are modeled after popular App Store games and teach you key concepts of the new cocos2d 2 game engine and relevant tools like TexturePacker (texture atlas), PhysicsEditor (physics collision shapes), Particle Designer (particle effects), Glyph Designer (bitmap fonts), and others. This book offers a rock-solid introduction to creating games made entirely with cocos2d and little or no iOS SDK and OpenGL code. It also details alternative implementations, identifies the best free and commercial tools for cocos2d game development, features coverage of the author's improved cocos2d game engine (Kobold2D), and even helps you enhance your game's marketability on the App Store.

For the beginner who has never programmed, *Beginning iOS Storyboarding* shows how to extract those cool and innovative app ideas you have in your head into a working app ready for sale on the iTunes store by using Apple's new Storyboarding technology. Storyboarding allows you to skip chunks of code by just dragging scenes and segues onto your Storyboard canvas. A time saver for sure, but it's new! Dr. Rory Lewis, Yulia McCarthy and Stephen Moraco — a best selling Apress author, a former Apple iOS engineering group intern and a successful app developer — have teamed up to bring you this book, *Beginning iOS Storyboarding*. The three authors have found a beautiful way to lead the beginner into Storyboarding and at the same time show old school coders of Objective-C the new and exquisite methodology



of this incredible tool. Even if you're an intermediate or pro-level Objective-C developer, you can still learn the ins and outs of Xcode's new Storyboarding feature, and find new ways of building and debugging your new Storyboarding app. Yup: This book is also for you, too. In this book, you get the following, beyond learning the fundamentals and classical elements of Storyboarding: Design and build utilities and a location based service app using Storyboarding techniques Design and build a universal app with a rich user interface and user experience (UX) Create a fun game app, and more

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](http://informit.com/register) to download a free 90+ page guide to 4.4 & 4.5 feature changes

The team that brought you the bestselling Beginning iPhone 4 Development is back again for Beginning iOS 5 Development, bringing this definitive guide up-to-date with Apple's latest and greatest iOS SDK, as well as with the latest version of Xcode. There's coverage of brand new technologies, with chapters on storyboards and iCloud, for example, as well as significant updates to existing chapters to bring them in line with all the changes that came with the iOS 5 SDK. You'll have everything you need to create your very own apps for the latest iOS devices, including the iPhone 4S, iPad 2, and the latest iPod touch. Every single sample program in the book has been rebuilt from scratch using Xcode 4.2 and the latest iOS 5-specific project templates and designed to take advantage of the latest Xcode features. Assuming only a minimal working knowledge of Objective-C, and written in a friendly, easy-to-follow style, Beginning iOS 5 Development offers a complete soup-to-nuts course in iPhone, iPad, and iPod touch programming. The book starts with the basics, walking through the process of downloading and installing Xcode and the iOS 5 SDK, and then guides you through the creation of your first simple application. From there, you'll learn how to integrate all the interface elements Apple touch users have come to know and love, such as buttons, switches, pickers, toolbars, and sliders. You'll master a variety of design patterns, from the simplest single view to complex hierarchical drill-downs. The confusing art of table building will be demystified, and you'll learn how to save your data using the iPhone file system. You'll also learn how to save and retrieve your data using a variety of persistence techniques, including Core Data and SQLite. And there's much more! You'll learn to draw using Quartz 2D and OpenGL ES, add multitouch gestural support (pinches and swipes) to your applications, and work with the camera,



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photo library, accelerometer, and built-in GPS. You'll discover the fine points of application preferences and learn how to localize your apps for multiple languages. The iOS 5 update to the bestselling and most recommended book for Cocoa touch developers Packed full of tricks, techniques, and enthusiasm for the new SDK from a developer perspective Written in an accessible, easy-to-follow style Provides information on building applications for the iPhone and the iPad, covering such topics as code, multiple graphics, table views, arrays, MapKit.

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