

Ios 5 Programming Pushing The Limits Developing Extraordinary Le Apps For Apple Iphone Ipad And Ipod Touch

Open the door to endless new app development possibilities Pushing the Limits with iOS 5 Programming is an expert guide for developers aiming to create unique applications for Apple's iPad 2, iPhone, and the iPod Touch, which includes the latest version of the Apple iPhone SDK, iOS 5. This text goes beyond the basics to keep you ahead of the technology curve and spark your innovative nature to create seamless, functional, and fun apps. With a focus on advanced techniques for app development, you will learn to differentiate your apps from all the rest. With this must-have book, you'll explore advanced coverage of a variety of development topics, such as developing with deep Objective-C, while you learn to create amazing applications for Apple's iPad 2, iPhone, and iPod touch. Veteran mobile developers and authors guide you through maximizing your programs as they delve into topics not commonly found elsewhere. Provides a solid foundation in the patterns of iOS Shares tips for running on multiple platforms and best using security services Discusses topics such as controlling multitasking, advanced text layout and more Demonstrates how to think differently with blocks and functional programming Teaches table view, performance, and money-making optimization Eliminates common challenges with memory management and iOS information flow Pushing the Limits with iOS 5 Programming allows you to take on the future with confidence in your new, stand-out app design skills.

Provides information on building iOS 5 applications for iPhone, iPad, and iPod Touch. 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.

Summary In 2017, consumers downloaded 178 billion apps, and analysts predict growth to 258 billion by 2022. Mobile customers are demanding more—and better—apps, and it's up to developers like you to write them! Flutter, a revolutionary new cross-platform software development kit created by Google, makes it easier than ever to write secure, high-performance native apps for iOS and Android. Flutter apps are blazingly fast because this open source solution compiles your Dart code to platform-specific programs with no JavaScript bridge! Flutter also supports hot reloading to update changes instantly. And thanks to its built-in widgets and rich motion APIs, Flutter's apps are not just highly responsive, they're stunning! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology With Flutter, you can build mobile applications using a single, feature-rich SDK that includes everything from a rendering engine to a testing

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environment. Flutter compiles programs written in Google's intuitive Dart language to platform-specific code so your iOS and Android games, utilities, and shopping platforms all run like native Java or Swift apps. About the book Flutter in Action teaches you to build professional-quality mobile applications using the Flutter SDK and the Dart programming language. You'll begin with a quick tour of Dart essentials and then dive into engaging, well-described techniques for building beautiful user interfaces using Flutter's huge collection of built-in widgets. The combination of diagrams, code examples, and annotations makes learning a snap. As you go, you'll appreciate how the author makes easy reading of complex topics like routing, state management, and async programming. What's inside Understanding the Flutter approach to the UI All the Dart you need to get started Creating custom animations Testing and debugging About the reader You'll need basic web or mobile app development skills. About the author Eric Windmill is a professional Dart developer and a contributor to open-source Flutter projects. His work is featured on the Flutter Showcase page. Table of Contents: PART 1 - MEET FLUTTER 1 | Meet Flutter 2 | A brief intro to Dart 3 | Breaking into Flutter PART 2 - FLUTTER USER INTERACTION, STYLES, AND ANIMATIONS 4 | Flutter UI: Important widgets, themes, and layout 5 | User interaction: Forms and gestures 6 | Pushing pixels: Flutter animations and using the canvas PART 3 - STATE MANAGEMENT AND ASYNCHRONOUS DART 7 | Flutter routing in depth 8 | Flutter state management 9 | Async Dart and Flutter and infinite scrolling PART 4 - BEYOND FOUNDATIONS 10 | Working with data: HTTP, Firestore, and JSON 11 | Testing Flutter apps

This symposium was born as a research forum to present and discuss original, rigorous and significant contributions on Artificial Intelligence-based (AI) solutions—with a strong, practical logic and, preferably, with empirical applications—developed to aid the management of organizations in multiple areas, activities, processes and problem-solving; what we call Management Intelligent Systems (MiS). This volume presents the proceedings of these activities in a collection of contributions with many original approaches. They address diverse Management and Business areas of application such as decision support, segmentation of markets, CRM, product design, service personalization, organizational design, e-commerce, credit scoring, workplace integration, innovation management, business database analysis, workflow management, location of stores, etc. A wide variety of AI techniques have been applied to these areas such as multi-objective optimization and evolutionary algorithms, classification algorithms, ant algorithms, fuzzy rule-based systems, intelligent agents, Web mining, neural networks, Bayesian models, data warehousing, rough sets, etc. This volume also includes a track focused on the latest research on Intelligent Systems and Technology Enhanced Learning (iTEL), as well as its impacts for learners and institutions. It aims at bringing together researchers and developers from both the professional and the academic realms to present, discuss and debate the latest advances on intelligent systems and technology-enhanced learning The symposium was organized by the Soft Computing and Intelligent Information Systems Research Group (<http://sci2s.ugr.es>) of the University of Granada (Spain) and the Bioinformatics, Intelligent System and Educational Technology Research Group ([http:// bisite.usal.es/](http://bisite.usal.es/)) of the University of Salamanca (Spain). The present edition was held in Salamanca (Spain) on May 22–24, 2013.

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

An Introduction to Programming by the Inventor of C++ Preparation for Programming in the Real World The book assumes that you aim eventually to write non-trivial programs, whether for work in software development or in some other technical field. Focus on **Fundamental Concepts and Techniques** The book explains fundamental concepts and techniques in greater depth than traditional introductions. This approach will give you a solid foundation for writing useful, correct, maintainable, and efficient code.

Programming with Today's C++ (C++11 and C++14) The book is an introduction to programming in general, including object-oriented programming and generic programming. It is also a solid introduction to the C++ programming language, one of the most widely used languages for real-world software. The book presents modern C++ programming techniques from the start, introducing the C++ standard library and C++11 and C++14 features to simplify programming tasks. **For Beginners--And Anyone Who Wants to Learn Something New** The book is primarily designed for people who have never programmed before, and it has been tested with many thousands of first-year university students. It has also been extensively used for self-study. Also, practitioners and advanced students have gained new insight and guidance by seeing how a master approaches the elements of his art. **Provides a Broad View** The first half of the book covers a wide range of essential concepts, design and programming techniques, language features, and libraries. Those will enable you to write programs involving input, output, computation, and simple graphics. The second half explores more specialized topics (such as text processing, testing, and the C programming language) and provides abundant reference material. Source code and support supplements are available from the author's website.

Demystifies the Processes of Game Development **Game Development for iOS with Unity3D** takes you through the complete process of Unity iOS game development. A game developer for over 12 years, the author presents production-proven techniques and valuable tips and tricks needed to plan, build, test, and launch games for the iPhone, iPod, and iPad. He walks you through all the necessary procedures, including how to publish your game to the App Store. **Encompasses the Whole Range of iOS Game Development** This practical book begins with advice on writing a game design document and getting Apple developer certification. It then covers the build processes of the Unity Remote application and explains how to use the Unity editor. After focusing on debugging and optimization, the author describes tips for designing and marketing a successful App Store page. The book also features two iOS-ready games to explore, adapt, and play. Source files for the game examples are available at www.crcpress.com. **Guides You in Creating a Functional iOS Game** Accessible to indie game developers and small- to medium-sized studios, this hands-on guide gives you the tools and knowledge needed to start building and launching iOS games. It helps you create games using Unity3D and publish them to the 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

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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

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.

Take your JavaScript knowledge as far as it can go JavaScript has grown up, and it's a hot topic. Newer and faster JavaScript VMs and frameworks built upon them have increased the popularity of JavaScript for server-side web applications, and richJS applications are being developed for mobile devices. This book delivers a compelling tutorial, showing you how to build a real-world app from the ground up. Experienced developers who want to master the latest techniques and redefine their skills will find this deep dive into JavaScript's hidden functionalities gives them the tools to create truly amazing and complex applications. JavaScript has evolved into much more than simple client-side scripting; this book delves into advanced topics not generally found in other more intermediate JS development books Expert author delivers an in-depth tutorial showing how to build a real-world app that is loosely coupled, with each component built to exist separately Explores how to build a backbone app, the importance of JavaScript templates, Node.js and MongoDB, 3D Canvas using WebGL /Three.js, how to convert a desktop app into a dedicated mobile app, and much more Ideal for experienced developers with a deep knowledge of JavaScript as well as online developers with strong graphic design skills who are experienced in HTML/CSS and want to develop their front-end skills JavaScript Programming: Pushing the Limits will arm you with the skills to create killer apps for the 21st Century.

In 2004, Android was two people who wanted to build camera software. But they couldn't get investors interested. Today, Android is a large team at Google, shipping an

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operating system (including camera software) to over three billion devices worldwide. This is the inside story, told by the people who made it happen. “What are the essential ingredients that lead a small team to build software at the sheer scale and impact of Android? We may never fully know, but this first person account is probably the closest set of clues we have.” –Dave Burke, VP of Android Engineering “Androids captures a strong picture of what the early development of Android, as well as the Android team, was like.” –Dianne Hackborn, Android Framework Engineer “Androids is the engaging tale of a motley group of coders with a passion to make insanely great products who banged out the operating system when that idea seemed nuts. True to his geek genes, Chet Haase tells this remarkable tale of technical and business success from the trenches, an inspiring, massive collective effort of dozens of programmers who flipped their seemingly late timing to their advantage, and presaged a generation of platform builders. Read Androids to discover what it takes to create a hot tech team that shipped a product running today on more than 3 billion devices.” –Jonathan Littman, co-author of *The Entrepreneurs Faces: How Makers, Visionaries and Outsiders Succeed*, and author of *The Fugitive Game* All profits from the book will be donated to charity.

A guide to Apple's Xcode 5, covering such topics as creating iOS projects with MVC design; designing Core Data schemas for iOS apps; linking data models to views; and creating libraries by adding and building new targets.

Expert PHP and MySQL takes you beyond learning syntax to showing you how to apply proven software development methods to building commerce-grade PHP and MySQL projects that will stand the test of time and reliably deliver on customer needs.

Developers of real-world applications face numerous problems that seem trivial on the surface, but really do take some skill to get right. Error handling is about more than just the mechanics in the PHP syntax, but also about handling MySQL errors, logging those errors, and about hiding information about application internals that error messages sometimes can expose. Meet these challenges and more head-on! Author Marc Rochkind shows how to begin a project right, with a clear contract and set of written requirements. You'll learn about project organization, setting up a solid development environment, connecting with client personnel. Database design is essential, and Expert PHP and MySQL has you covered with guidance on creating a sound model and database, and on pushing functionality into the database as appropriate; not everything should be done in PHP. Error handling is covered at both the PHP and MySQL levels. Application structure is covered. Guidance is provided on reporting. And finally there is conversion. In Expert PHP and MySQL you'll explore the following: The popular and widely used combination of PHP and MySQL Commercial-grade application of language and database features Human factors such as planning and organization Organizing a project to meet requirements and satisfy the customer Structuring an application for efficient development and future modification Coding PHP for productivity, reliability, security Generating online, downloadable, and printed reports Converting existing data to the new application

The iPhone is the hottest gadget of our generation, and much of its success has been fueled by the App Store, Apple's online marketplace for iPhone applications. Over 1 billion apps were downloaded during the nine months following the launch of the App Store, ranging from the simplest games to the most complex business apps. Everyone has an idea for the next bestselling iPhone app—presumably, that's why you're reading

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this now! And with the popularity of the iPad, this demand will just continue to grow. So how do you build an application for the iPhone and iPad? Don't you need to spend years learning complicated programming languages? What about Objective-C and Cocoa touch ? The answer is that you don't need to know any of those things! Anybody can start building simple apps for the iPhone and iPad, and this book will show you how. This update of an Apress bestseller walks you through creating your first app, using plain English and practical examples using the iOS 5 software development platform and more. It cuts through the fog of jargon and misinformation that surrounds iPhone and iPad application development, and gives you simple, step-by-step instructions to get you started. Teaches iPhone and iPad apps development in language anyone can understand Provides simple, step-by-step examples that make learning easy, using iOS 5 Offers videos that enable you to follow along with the author—it's like your own private classroom

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

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.

The secret history of the invention that changed everything-and became the most profitable product in the world. NATIONAL BESTSELLER Shortlisted for the Financial Times Business Book of the Year Award One of the Best Business Books of 2016 - CNBC, Bloomberg, 1-800-CEO-Read "The One Device is a tour de force, with a fast-paced edge and heaps of analytical insight." -Ashlee Vance, New York Times bestselling author of Elon Musk "A stunning book. You will never look at your iPhone the same way again." -Dan Lyons, New York Times bestselling author of Disrupted Odds are that as you read this, an iPhone is within reach. But before Steve Jobs introduced us to "the one device," as he called it, a cell phone was merely what you used to make calls on the go. How did the iPhone transform our world and turn Apple into the most valuable company ever? Veteran technology journalist Brian Merchant reveals the inside story you won't hear from Cupertino-based on his exclusive interviews with the engineers, inventors, and developers who guided every stage of the iPhone's creation. This deep dive takes you from inside One Infinite Loop to 19th century France to WWII America, from the driest place on earth to a Kenyan pit of toxic

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e-waste, and even deep inside Shenzhen's notorious "suicide factories." It's a firsthand look at how the cutting-edge tech that makes the world work-touch screens, motion trackers, and even AI-made their way into our pockets. The One Device is a roadmap for design and engineering genius, an anthropology of the modern age, and an unprecedented view into one of the most secretive companies in history. This is the untold account, ten years in the making, of the device that changed everything. Based on Big Nerd Ranch's popular iPhone Bootcamp class, iPhone Programming: The Big Nerd Ranch Guide leads you through the essential tools and techniques for developing applications for the iPhone, iPad, and iPod Touch. In each chapter, you will learn programming concepts and apply them immediately as you build an application or enhance one from a previous chapter. These applications have been carefully designed and tested to teach the associated concepts and to provide practice working with the standard development tools Xcode, Interface Builder, and Instruments. The guide's learn-while-doing approach delivers the practical knowledge and experience you need to design and build real-world applications. Here are some of the topics covered: Dynamic interfaces with animation Using the camera and photo library User location and mapping services Accessing accelerometer data Handling multi-touch gestures Navigation and tabbed applications Tables and creating custom rows Multiple ways of storing and loading data: archiving, Core Data, SQLite Communicating with web services ALocalization/Internationalization "After many 'false starts' with other iPhone development books, these clear and concise tutorials made the concepts gel for me. This book is a definite must have for any budding iPhone developer." –Peter Watling, New Zealand, Developer of BubbleWrap

Start building apps for iOS 8 with Apple's Swift programming language. If you're grounded in the basics of Xcode and the Cocoa framework, this book provides a structured explanation of all essential real-world iOS app components. Through deep exploration and copious code examples, you'll learn how to create views, manipulate view controllers, and use iOS frameworks for adding features such as audio and video, access to user calendars and photos, and tracking the device's location. Example code is available on GitHub in the form of full projects that you can download, study, and run. Build iOS apps with Swift Create, arrange, draw, layer, and animate views that respond to touch Use view controllers to manage multiple screens in a way that's understandable to users Explore UIKit interface objects, such as scroll views, table views, popovers, web views, and maps Work with Cocoa frameworks for sensors, location, sound, and video Access user libraries: music, photos, address book, and calendar Examine additional topics including data storage, file sharing, networking, and threading Topics new to iOS 8 include: Major changes in app coordinate space and interface rotation Trait collections and size classes View margins, visual effect views, and major animation changes Changes to presented view controllers, popovers and split view controllers, alert and action sheet architecture Table view automatic variable row heights and sliding cells Classes for search results display, web view, video display, and audio mixing and effects Today extensions, Actions extensions, Photo Editing extensions Xcode 6 features: conditional constraints, view debugging, designable views, inspectable properties, new segue types

Create your very own apps for the latest iOS devices. You'll start with the basics, and then work your way through the process of downloading and installing Xcode and the

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iOS 10 SDK, and then guides you through the creation of your first simple application. Assuming little or no working knowledge of the Swift programming language, and written in a friendly, easy-to-follow style, *Beginning iPhone Development with Swift 3* offers a comprehensive course in iPhone and iPad programming. In this third edition of the best-selling book, you'll learn how to integrate all the interface elements iOS users have come to know and love, such as buttons, switches, pickers, toolbars, and sliders. Every single sample app in the book has been rebuilt from scratch using the latest Xcode and the latest iOS 10-specific project templates, and designed to take advantage of the latest Xcode features. Discover brand-new technologies, as well as significant updates to existing tools. You'll master a variety of design patterns, from the simplest single view to complex hierarchical drill-downs. The art of table building will be demystified, and you'll learn how to save your data using the iOS 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! **What You Will Learn**
Develop your own bestselling iPhone and iPad apps
Utilize Swift playgrounds
Display data in Table Views
Draw to the screen using Core Graphics
Use iOS sensor capabilities to map your world
Get your app to work with iCloud and more
Who This Book is For Anyone who wants to start developing for iPhone and iPad.

Presents a guide to creating computer games using OpenGL ES 2.0, covering such topics as loading geometrics and textures, pathfinding, post-processing effects, lighting, and working with animation.

With 90 detailed hacks, expert web developers Jesse Cravens and Jeff Burtoft demonstrate intriguing uses of HTML5-related technologies. Each recipe provides a clear explanation, screenshots, and complete code examples for specifications that include Canvas, SVG, CSS3, multimedia, data storage, web workers, WebSockets, and geolocation. You'll also find hacks for HTML5 markup elements and attributes that will give you a solid foundation for creative recipes that follow. The last chapter walks you through everything you need to know to get your HTML5 app off the ground, from Node.js to deploying your server to the cloud. Here are just a few of the hacks you'll find in this book: Make iOS-style card flips with CSS transforms and transitions
Replace the background of your video with the Canvas tag
Use Canvas to create high-res Retina Display-ready media
Make elements on your page user-customizable with editable content
Cache media resources locally with the filesystem API
Reverse-geocode the location of your web app user
Process image data with pixel manipulation in a dedicated web worker
Push notifications to the browser with Server-Sent Events
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John Wiley & Sons

Looks at the techniques of interactive design, covering such topics as 2D and 3D graphics, sound, computer vision, and geolocation.

Discover the do's and don'ts involved in crafting readable Swift code as you explore common Swift coding challenges and the best practices that address them. From spacing, bracing, and semicolons to proper API style, discover the whys behind each recommendation, and add to or establish your own house style guidelines. This practical, powerful, and opinionated guide offers the best practices you need to know to work successfully in this equally opinionated

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programming language. Apple's Swift programming language has finally reached stability, and developers are demanding to know how to program the language properly. Swift Style guides you through the ins and outs of Swift programming best practices. This is the first best practices book for serious, professional Swift programmers and for programmers who want to shine their skills to be hired in this demanding market. A style guide offers a consistent experience of well-crafted code that lets you focus on the code's underlying meaning, intent, and implementation. This book doesn't offer canonical answers on Swift coding style. It explores the areas of Swift where structure comes into play. Whether you're developing a personal style or a house style, there are always ways to enhance your code choices. You'll find here the ideas and principles to establish or enhance your own best style practices. Begin with simple syntactical styling. Strengthen code bracing for easy readability. Style your closures for safety and resilience. Perfect spacing and layout. Master literal initialization and typing. Optimize control flow layout and improve conditional style choices. Transition from Objective-C and move code into Swift the right way. Boost API design using proper naming and labeling. Elevate defaulted arguments and variadics to their right places. Finally, Erica offers her own broad recommendations on good coding practice. What You Need: Recent version of the Swift programming language

"Programming the accelerometer, gyroscope, camera, and magnetometer"--Cover.

With iPhone Hacks, you can make your iPhone do all you'd expect of a mobile smartphone -- and more. Learn tips and techniques to unleash little-known features, find and create innovative applications for both the iPhone and iPod touch, and unshackle these devices to run everything from network utilities to video game emulators. This book will teach you how to: Import your entire movie collection, sync with multiple computers, and save YouTube videos Remotely access your home network, audio, and video, and even control your desktop Develop native applications for the iPhone and iPod touch on Linux, Windows, or Mac Check email, receive MMS messages, use IRC, and record full-motion video Run any application in the iPhone's background, and mirror its display on a TV Make your iPhone emulate old-school video game platforms, and play classic console and arcade games Integrate your iPhone with your car stereo Build your own electronic bridges to connect keyboards, serial devices, and more to your iPhone without "jailbreaking" iPhone Hacks explains how to set up your iPhone the way you want it, and helps you give it capabilities that will rival your desktop computer. This cunning little handbook is exactly what you need to make the most of your iPhone.

Unleash the power of the Android OS and build the kinds of brilliant, innovative apps users love to use If you already know your way around the Android OS and can build a simple Android app in under an hour, this book is for you. If you're itching to see just how far you can push it and discover what Android is really

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capable of, it's for you. And if you're ready to learn how to build advanced, intuitive, innovative apps that are a blast to use, this book is definitely for you. From custom views and advanced multi-touch gestures, to integrating online web services and exploiting the latest geofencing and activity recognition features, ace Android developer, Erik Hellman, delivers expert tips, tricks and little-known techniques for pushing the Android envelope so you can:

- Optimize your components for the smoothest user experience possible
- Create your own custom Views
- Push the boundaries of the Android SDK
- Master Android Studio and Gradle
- Make optimal use of the Android audio, video and graphics APIs
- Program in Text-To-Speech and Speech Recognition
- Make the most of the new Android maps and location API
- Use Android connectivity technologies to communicate with remote devices
- Perform background processing
- Use Android cryptography APIs
- Find and safely use hidden Android APIs
- Cloud-enable your applications with Google Play Services
- Distribute and sell your applications on Google Play Store

Learn how to unleash the power of Android and transform your apps from good to great in *Android Programming: Pushing the Limits*.

WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you'll learn how to use WordPress plugins and themes to develop fast, scalable, and secure web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released *SchoolPress* app to explain concepts and techniques throughout the book. All code examples are available on GitHub. Compare WordPress with traditional app development frameworks

- Use themes for views, and plugins for backend functionality
- Get suggestions for choosing WordPress plugins—or build your own
- Manage user accounts and roles, and access user data
- Build asynchronous behaviors in your app with jQuery
- Develop native apps for iOS and Android, using wrappers
- Incorporate PHP libraries, external APIs, and web service plugins
- Collect payments through ecommerce and membership plugins
- Use techniques to speed up and scale your WordPress app

Learning iPad Programming walks you through the process of building *PhotoWheel* (free on the App Store), a photo management and sharing app that leverages every aspect of iOS 5. With *PhotoWheel*, you can organize your favorite photos into albums, share photos with family and friends, view them on your TV using AirPlay and an Apple TV, and most importantly, gain hands-on experience with building an iPad app. As you build *PhotoWheel*, you'll learn how to take advantage of the latest features in iOS 5 and Xcode, including Storyboarding, Automatic Reference Counting (ARC), and iCloud. Best of all, you'll learn how to extend the boundaries of your app by communicating with web services. If you want to build apps for the iPad, *Learning iPad Programming* is the one book to get. As you build *PhotoWheel*, you'll learn how to Install and

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configure Xcode 4.2 on your Mac Master the basics of Objective-C, and learn about memory management with ARC Build a fully functional app that uses Core Data and iCloud for photo sharing and synchronization Use Xcode's new Storyboard feature to quickly prototype a functional UI, and then extend that UI with code Create multitouch gestures and integrate Core Animation for a unique UI experience Build custom views, and use view controllers to perform custom view transitions Add AirPrint, email, and AirPlay capabilities to your app Apply image filters and effects using Core Image Diagnose and fix bugs with Instruments Prepare your app for submission to the app store Download the free version of PhotoWheel from the App Store today! Share your photos with friends and upload to iCloud, all while learning how to build the app.

If you are looking to extend your iOS programming skills beyond the basics then *More iPhone Development with Objective-C* is for you. Authors Dave Mark, Jayant Varma, Jeff LaMarche, Alex Horovitz, and Kevin Kim explain concepts as only they can—with code snippets you can customize and use, as you like, in your own apps. *More iPhone Development with Objective-C* is an independent companion to *Beginning iPhone Development with Objective-C*. That is, it is a perfect second book, but it is also a great book for those looking to improve their skills who have already programmed for iOS. In particular it includes a series of chapters devoted to Core Data, the standard for Apple persistence. The authors 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. *More iPhone Development with Objective-C* covers a variety of other topics, including Multipeer Connectivity's relatively simple Bluetooth/WiFi peer-to-peer model, MapKit, and media library access and playback so that your applications can utilize media on your users' computer. You'll also find coverage of Interface Builder, Live Previews and Custom Controls and some advanced techniques for debugging your applications. The book is filled with useful topics that will bring your programs up-to-date with the new functionality built into iOS. Get a solid grounding in the fundamentals of Cocoa Touch, and avoid problems during iPhone and iPad app development. With this revised and expanded edition, you'll dig into Cocoa and learn how to work effectively with Objective-C and Xcode. This book covers iOS 5 and Xcode 4.3 in a rigorous, orderly fashion—ideal whether you're approaching iOS for the first time or need a reference to bolster existing skills. Many discussions have been expanded or improved. All code examples have been revised, and many new code examples have been added. The new memory management system—ARC—is thoroughly explained and all code examples have been revised to use it. New Objective-C features, such as declaration of instance variables in the class's implementation section, are described and incorporated into the revised example code. Discussion of how an app launches, and all code examples, are revised for project templates from Xcode 4.2 and later. Other new Xcode features, including the Simulator's Debug menu, are covered, with screen shots based on Xcode 4.2 and later. The discussion of Instruments is expanded, with screen shots—by popular request! Storyboards are explained and discussed. The explanation of view controllers is completely rewritten to include iOS 5 features, such as custom parent view controllers and `UIPageViewController`. The Controls chapter now includes iOS 5 interface customizability and the appearance proxy. New features

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of interface classes are discussed, including tiling and animated images, new table view features, new alert view styles. Coverage of frameworks such as Core Motion and AV Foundation is greatly expanded. New iOS 5 classes and frameworks are also discussed, including Core Image and UIDocument (and iCloud support). Important iOS 5 changes that can break existing code are explicitly called out in the text and listed in the index.

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

Discover all the security risks and exploits that can threaten iOS-based mobile devices iOS is Apple's mobile operating system for the iPhone and iPad. With the introduction of iOS 5, many security issues have come to light. This book explains and discusses them all. The award-winning author team, experts in Mac and iOS security, examines the vulnerabilities and the internals of iOS to show how attacks can be mitigated. The book explains how the operating system works, its overall security architecture, and the security risks associated with it, as well as exploits, rootkits, and other payloads developed for it. Covers iOS security architecture, vulnerability hunting, exploit writing, and how iOS jailbreaks work Explores iOS enterprise and encryption, code signing and memory protection, sandboxing, iPhone fuzzing, exploitation, ROP payloads, and baseband attacks Also examines kernel debugging and exploitation Companion website includes source code and tools to facilitate your efforts iOS Hacker's Handbook arms you with the tools needed to identify, understand, and foil iOS attacks.

Master the challenges of Android user interface development with these sample patterns With Android 4, Google brings the full power of its Android OS to both smartphone and tablet computing. Designing effective user interfaces that work on multiple Android devices is extremely challenging. This book provides more than 75 patterns that you can use to create versatile user interfaces for both smartphones and tablets, saving countless hours of development time. Patterns cover the most common and yet difficult types of user interactions, and each is supported with richly illustrated, step-by-step instructions. Includes sample patterns for welcome and home screens, searches, sorting and filtering, data entry, navigation, images and thumbnails, interacting with the environment and networks, and more Features tablet-specific patterns and patterns for avoiding results you don't want Illustrated, step-by-step instructions describe what the pattern is, how it works, when and why to use it, and related patterns and anti-patterns A companion website offers additional content and a forum for interaction Android Design Patterns: Interaction Design Solutions for Developers provides extremely useful tools for developers who want to take advantage of the booming Android app development market.

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