



Kyle Richter  
Joe Keeley

Completely  
updated for  
**IOS 7**  
and  
**Xcode 5**

# iOS Components and Frameworks

Understanding the Advanced Features  
of the iOS SDK

**Developer's Library**



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# iOS Components and Frameworks

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Understanding the Advanced  
Features of the iOS SDK

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Kyle Richter  
Joe Keeley

◆◆ Addison-Wesley

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*I would like to dedicate this book to my co-workers who continually drive me to never accept the first solution.*

*—Kyle Richter*

*I dedicate this book to my wife, Irene, and two daughters, Audrey and Scarlett. Your boundless energy and love inspire me daily.*

*—Joe Keeley*



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## Foreword

I have been working with the iPhone SDK (now iOS SDK) since the first beta released in 2008. At the time, I was focused on writing desktop apps for the Mac and hadn't thought much about mobile app development.

If you chose to be an early adopter, you were on your own. In typical Apple fashion, the documentation was sparse, and since access to the SDK required an NDA—and apparently, a secret decoder ring—you were on your own. You couldn't search Google or turn to StackOverflow for help, and there sure as hell weren't any books out yet on the SDK.

In the six years (yes, it really has only been six years) since Apple unleashed the original iPhone on the world, we've come a long way. The iPhone SDK is now the iOS SDK. There are dozens of books and blogs and podcasts and conferences on iOS development. And ever since 2009, WWDC has been practically impossible to get into, making it even harder for developers—old and new—to learn about the latest features coming to the platform. For iOS developers, there is so much more to learn.

One of the biggest challenges I have as an iOS developer is keeping on top of all the components and frameworks available in the kit. The iOS HIG should help us with that, but it doesn't go far enough—deep enough. Sure, now I can find some answers by searching Google or combing through StackOverflow but, more often than not, those answers only explain the how and rarely the why, and they never provide the details you really need.

And this is what Kyle and Joe have done with this book—they're providing the detail needed so you can fully understand the key frameworks that make up the iOS SDK.

I've had the pleasure of knowing Kyle and Joe for a number of years. They are two of the brightest developers I have ever met. They have each written some amazing apps over the years, and they continuously contribute to the iOS development community by sharing their knowledge—speaking at conferences and writing other books on iOS development. If you have a question about how to do something in iOS, chances are good that Kyle and Joe have the answer for you.

But what makes these guys so awesome is not just their encyclopedic knowledge of iOS, it's their willingness to share what they know with everyone they meet. Kyle and Joe don't have competitors, they have friends.

Kyle and Joe's in-depth knowledge of the iOS SDK comes through in this book. It's one of the things I like about this book. It dives into the details for each component covered at a level that you won't always find when searching online.

I also like the way the book is structured. This is not something that you'll read cover to cover. Instead, you'll pick up the book because you need to learn how to implement a collection view or sort out some aspect of running a task in a background thread that you can't quite wrangle. You'll pick up the book when you need it, find the solution, implement it in your own code, and then toss the book back on the floor until you need it again. This is what makes