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Functional Swift

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Swift

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Synopsis

This book will teach you how to use Swift to apply functional programming techniques to your iOS or OS X projects. These techniques complement object-oriented programming that most Objective-C developers will already be familiar with, providing you with a valuable new tool in your developer's toolbox. We will start by taking a look at Swift's new language features, such as higher-order functions, generics, optionals, enumerations, and pattern matching. Mastering these new features will enable you to write functional code effectively. After that, we will provide several examples of how to use functional programming patterns to solve real-world problems. These examples include a compositional and type-safe API around Core Image, a library for diagrams built on Core Graphics, and a small spreadsheet application built from scratch.

Book Information

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Customer Reviews

If you're an expert on Swift closures and all the inherent shortcuts involved with the syntax, you might be good to go. An added plus is if you're not looking for a book to teach, but rather to reinforce what you already know. I have no doubt that the writer of this book is intelligent, and is deft at implementing a functional architecture in Swift. I do doubt however, that he has any intention of helping those that are trying to teach themselves. This book is the author patting himself on the back. Nothing More.

Pros:- If you have a magnifying glass handy, the content is worth reading- especially if you enjoy

constant asides about the wonders of Haskell instead of focusing on the topic at hand. I regret that they didn't have the space to discuss Forth and PDP-11 Assembly Language as well.- You get to practice your typing when you try to work through the examples on your own.- The authors have lots of friends willing to write favorable reviews without having read or used the book. Friends are wonderful.Cons:- Content is printed in 4 x 5 inch box in the corner of each page. 50% of the book is whitespace. Are you kidding me?- Many of the examples have not been updated to reflect changes in syntax.- No index, but there is a lovely list of references at the end. Thank you for submitting your term paper, but please include the index for grading.- No source code available. Apparently, no one has heard of that newfangled interweb thing with the SauceFridge and the Gothub.- The text is in an excruciatingly hard to read sans-serif typeface.- Diagrams are unhelpful and poorly rendered. I don't know what service they're using for a print on demand publisher, but I think they should change the ribbon on their Epson MX-80 every 500 books.I'd stopped buying books unseen for a while after having been burned on my last half dozen technical book purchases- but given the reputation of the authors, I bought it anyway. I think it's time for another timeout on that.

Interesting collection of articles. In many ways it was a collection of tutorials. It pushed me to think more functionally in Swift, but I it wasn't an transformative work in the way the Gang of Four's Design Patterns or Pragmatic Thinking & Learning was for me. If you've never done functional programming this is not a book to learn it well. It'll give you an idea about what functional programming means, and gives you a different look at how Swift can be used, but it didn't do that great of a job teaching a functional programming to me, who's only really programmed in object-oriented languages. If you want to get into functional programming in swift. I suggest finding a better introduction to functional programming in any language and then use this to adopt that mindset it to Swift.Lastly, I felt I paid too much for it, but I was fine with that because objc.io was providing an amazing iOS resource for free. Now that they have shifted their focus to making money. I feel 30 USD would be a more appropriate cost for this book.

IMHO this is currently the best written book on Swift. They do an excellent job illustrating the different ways you can use Swift to solve complex problems elegantly and how to avoid some of the situations you'd have to confront in Obj-C. It opens with a chapter on thinking functionally to help the reader shift their mindset to a more functional one, which in turn leads to increased sanity and more legible code. They then continue on a well rounded tour of some basic functional principles and tools.I cannot recommend this book enough.

I highly recommend this book. It is by far the best book I've read about Swift. With that said the book is not intended for a beginner, you must have a pretty good understanding of Swift before attempting to read this book.

Yet another amazing book by the objc.io folks. This is *the* book to read after going through Apple's documentation. One word of caution, you want the version that is updated for Swift 2.x. The older version has a bird on the cover, the newer does not. I did receive the older version, but this was swiftly (no pun) resolved by the authors.

If you've read through Apple's documentation on Swift, this book makes an excellent follow-up - this book helps stretch your brain into understanding what's possible with Swift.

A great book on both FP and Swift. I'm really glad to see that others have picked up on the strong elements of FP that are present in Swift, and I think this book will really help FP get out into the mainstream. It's not just for Haskell hackers anymore ;)(And in case anyone is wondering why I don't have the verified purchase logo, I pre-ordered the hard copy and eBook directly from the author's website).

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