



Reactive Programming with Swift

By Cecil Costa

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Reactive Programming with Swift By Cecil Costa

Leverage the power of the Functional Reactive Programming paradigm with Swift to develop robust iOS applications

About This Book

- Build highly responsive applications with this practical introduction to Reactive programming
- This book uses ReactiveCocoa, the most popular solution for Reactive Programming on iOS to install, debug, and develop a framework with Swift
- Switch from the traditional programming style to the reactive paradigm to code your first reactive applications with ease

Who This Book Is For

Reactive Programming with Swift is for Swift developers who want to start making more powerful and efficient applications. You need a basic understanding of Swift to follow along. This book takes a first-principles approach to what Reactive Programming is and how you can start implementing it in your next iOS applications.

What You Will Learn

- Switch your programming concepts from imperative to Functional reactive programming
- Improve your app's maintenance by developing with a different paradigm
- Create unit tests and automation tests using the ReactiveCocoa framework
- Create clear code that is very easy to read
- Get accustomed to migrating mobile apps to the Reactive way of programming
- Perform asynchronous calls and join them later

In Detail

Reactive programming helps you write applications that are more powerful and efficient. You can write more software, help more people, and create applications

that scale. Reactive programming is a growing paradigm that we will help you set to work in Swift.

Reactive Programming with Swift guides you through migrating from the traditional way of developing to the new ReactiveCocoa framework, which uses Swift as its main programming language. You will learn how to develop with this framework, debug code, create unit tests, use additional frameworks, and convert a traditional framework into a ReactiveCocoa one.

Starting with a crash course on the fundamental concepts of Reactive programming, we'll set you up so you're ready to create reactive applications. We'll then move on to topics such as Graphical events, Streaming, and Core data, which will help you dive deeper with advanced programming. The concept of switching your programming concepts from imperative to functional reactive programming will also be covered. By the end of this book, you will be able to successfully create highly functional apps using Swift.

Style and approach

This book is a fast-paced, practical guide compiled with ample images and screenshots that explain how to create apps and demonstrate their logic.

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Editorial Review

About the Author

Cecil Costa Cecil Costa, also know as Eduardo Campos in Latin countries, is a Euro-Brazilian freelance developer who has been learning about computers since getting his first 286 in 1990. From then on, he kept learning about programming languages, computer architecture, and computer science theory. Learning and teaching are his passions; this is the reason why he worked as a trainer and an author. He has been giving on-site courses for companies such as Ericsson, Roche, TVE (a Spanish television channel), and lots of others. He is also the author of Swift Cookbook First Edition and Swift 2 Blueprints, both by Packt Publishing. He will soon publish an iOS 10 programming video course. Nowadays, Cecil Costa teaches through online platforms, helping people from across the world. In 2008, he founded his own company, Conglomo Limited (<http://www.conglomo.es>), which offers development and training programs both on-site and online. Throughout his professional career, he has created projects by himself and also worked for different companies from small to big ones, such as IBM, Qualcomm, Spanish Lottery, and DIA%. He develops a variety of computer languages (such as Swift, C++, Java, Objective-C, JavaScript, Python, and so on) in different environments (iOS, Android, Web, Mac OS X, Linux, Unity, and so on) because he thinks that a good developer needs to learn all kinds of programming languages to open their mind; only after this will they really understand what development is. Nowadays, Cecil is based in the UK, where he is progressing in his professional career as an iOS team lead.

Users Review

From reader reviews:

Ricky Streeter:

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Ralph Wood:

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