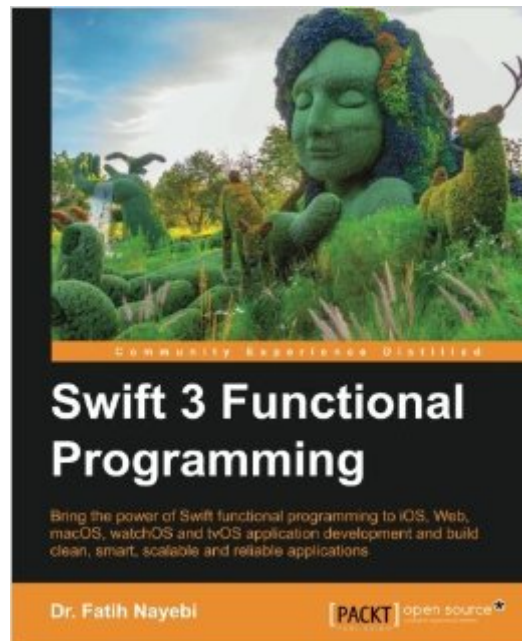


The book was found

Swift 3 Functional Programming



Synopsis

Bring the power of Swift functional programming to iOS, Web, macOS, watchOS and tvOS application development and build clean, smart, scalable and reliable applications

About This Book

Written for Swift 3 -Developers Preview version, this is a comprehensive guide that introduces iOS and OS X developers to the all-new world of functional programming that has so far been alien to them. Learn about first-class functions and how imperative-style patterns can be converted into functional code using some simple techniques. The book will get you familiar with using functional programming alongside existing OOP techniques so you can get the best of both worlds and develop clean, robust code.

Who This Book Is For

The book is for developers with a basic knowledge of Swift programming aiming to incorporate functional programming paradigms in their day-to-day application development.

What You Will Learn

- First-class, higher-order, and pure functions
- Closures and capturing values
- Custom operators, recursion, and memorization
- Value and reference types in Swift
- Enumerations, algebraic data types, patterns, and pattern matching
- Generics and associated type protocols
- Higher-order functions such as map, flatMap, filter, and reduce
- Dealing with optionals, fmap, and apply for multiple functional mapping
- Functional data structures such as Semigroup, Monoid, Binary Search Tree, Linked List, Stack, and Lazy List
- Immutability, copy constructors, and lenses
- Combining FP paradigms with OOP, FRP, and POP in your day-to-day development activities
- Developing a backend application with Swift
- Developing an iOS application with FP, OOP, FRP, and POP paradigms

In Detail

This book is based on Swift 3 Developer preview version and aims at simplifying the functional programming (FP) paradigms making it easily usable, by showing you how to solve many of your day-to-day development problems. Whether you are new to functional programming and Swift or

Book Information

Paperback: 296 pages

Publisher: Packt Publishing - ebooks Account (June 30, 2016)

Language: English

ISBN-10: 1785883887

ISBN-13: 978-1785883880

Product Dimensions: 7.5 x 0.7 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #94,891 in Books (See Top 100 in Books) #9 in Books > Computers &

Technology > Programming > Languages & Tools > Swift #60 inÂ Books > Computers &
Technology > Programming > Languages & Tools > C & C++ > C++ #251 inÂ Books > Computers
& Technology > Networking & Cloud Computing > Internet, Groupware, & Telecommunications

[Download to continue reading...](#)

Taylor Swift: The Ultimate Fan Book 2015: Taylor Swift Facts, Quotes and Quiz (Taylor Swift Fan Books) (Volume 2) Taylor Swift: The Ultimate Fan Book 2015: Taylor Swift Facts, Quiz and Quotes (Taylor Swift Fan Books) Swift 3 Functional Programming iOS 10 Programming Fundamentals with Swift: Swift, Xcode, and Cocoa Basics Swift Programming Artificial Intelligence: Made Easy, w/ Essential Programming Learn to Create your * Problem Solving * Algorithms! TODAY! w/ Machine ... engineering, r programming, iOS development) Guide to the Evaluation of Functional Ability: How to Request, Interpret, and Apply Functional Capacity Evaluations (American Medical Association) Wheater's Functional Histology: A Text and Colour Atlas, 6e (FUNCTIONAL HISTOLOGY (WHEATER'S)) Wheater's Functional Histology: A Text and Colour Atlas (Book with CD-ROM) (Functional Histology (Wheater's)) Functional Swift iOS Animations by Tutorials Second Edition: Updated for Swift 2.2: iOS 9 and Swift 2.2 Edition Swift Walker: A Space Adventure: Swift Walker Science and Geography Books for Kids, Book 3 Swift: Programming, Master's Handbook; A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in ... engineering, r programming, iOS development) Python Programming Guide + SQL Guide - Learn to be an EXPERT in a DAY!: Box Set Guide (Python, C++, PHP, Swift, Os, Programming Guide) Java: The Simple Guide to Learn Java Programming In No Time (Programming,Database, Java for dummies, coding books, java programming) (HTML,Javascript,Programming,Developers,Coding,CSS,PHP) (Volume 2) An Introduction to Functional Programming Through Lambda Calculus (Dover Books on Mathematics) Haskell: The Craft of Functional Programming (3rd Edition) (International Computer Science Series) Discrete Mathematics and Functional Programming Introduction to Functional Programming (Prentice Hall International Series in Computing Science) Functional Python Programming Programming Elixir 1.2: Functional |> Concurrent |> Pragmatic |> Fun

[Dmca](#)