



Functional Programming in C#: How to write better C# code

By Enrico Buonanno

[Download now](#)

[Read Online](#) 

Functional Programming in C#: How to write better C# code By Enrico Buonanno

Summary

Functional Programming in C# teaches you to apply functional thinking to real-world problems using the C# language. The book, with its many practical examples, is written for proficient C# programmers with no prior FP experience. It will give you an awesome new perspective.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology

Functional programming changes the way you think about code. For C# developers, FP techniques can greatly improve state management, concurrency, event handling, and long-term code maintenance. And C# offers the flexibility that allows you to benefit fully from the application of functional techniques. This book gives you the awesome power of a new perspective.

About the Book

Functional Programming in C# teaches you to apply functional thinking to real-world problems using the C# language. You'll start by learning the principles of functional programming and the language features that allow you to program functionally. As you explore the many practical examples, you'll learn the power of function composition, data flow programming, immutable data structures, and monadic composition with LINQ.

What's Inside

- Write readable, team-friendly code
- Master async and data streams
- Radically improve error handling
- Event sourcing and other FP patterns

About the Reader

Written for proficient C# programmers with no prior FP experience.

About the Author

Enrico Buonanno studied computer science at Columbia University and has 15 years of experience as a developer, architect, and trainer.

Table of Contents

1. Introducing functional programming
2. Why function purity matters
3. Designing function signatures and types
4. Patterns in functional programming
5. Designing programs with function composition **PART 2 - BECOMING FUNCTIONAL**
6. Functional error handling
7. Structuring an application with functions
8. Working effectively with multi-argument functions
9. Thinking about data functionally
10. Event sourcing: a functional approach to persistence **PART 3 - ADVANCED TECHNIQUES**
11. Lazy computations, continuations, and the beauty of monadic composition
12. Stateful programs and stateful computations
13. Working with asynchronous computations
14. Data streams and the Reactive Extensions
15. An introduction to message-passing concurrency

 [Download Functional Programming in C#: How to write better ...pdf](#)

 [Read Online Functional Programming in C#: How to write better ...pdf](#)

Functional Programming in C#: How to write better C# code

By Enrico Buonanno

Functional Programming in C#: How to write better C# code By Enrico Buonanno

Summary

Functional Programming in C# teaches you to apply functional thinking to real-world problems using the C# language. The book, with its many practical examples, is written for proficient C# programmers with no prior FP experience. It will give you an awesome new perspective.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology

Functional programming changes the way you think about code. For C# developers, FP techniques can greatly improve state management, concurrency, event handling, and long-term code maintenance. And C# offers the flexibility that allows you to benefit fully from the application of functional techniques. This book gives you the awesome power of a new perspective.

About the Book

Functional Programming in C# teaches you to apply functional thinking to real-world problems using the C# language. You'll start by learning the principles of functional programming and the language features that allow you to program functionally. As you explore the many practical examples, you'll learn the power of function composition, data flow programming, immutable data structures, and monadic composition with LINQ.

What's Inside

- Write readable, team-friendly code
- Master async and data streams
- Radically improve error handling
- Event sourcing and other FP patterns

About the Reader

Written for proficient C# programmers with no prior FP experience.

About the Author

Enrico Buonanno studied computer science at Columbia University and has 15 years of experience as a developer, architect, and trainer.

Table of Contents

1. Introducing functional programming

2. Why function purity matters
3. Designing function signatures and types
4. Patterns in functional programming
5. Designing programs with function composition **PART 2 - BECOMING FUNCTIONAL**
6. Functional error handling
7. Structuring an application with functions
8. Working effectively with multi-argument functions
9. Thinking about data functionally
10. Event sourcing: a functional approach to persistence **PART 3 - ADVANCED TECHNIQUES**
11. Lazy computations, continuations, and the beauty of monadic composition
12. Stateful programs and stateful computations
13. Working with asynchronous computations
14. Data streams and the Reactive Extensions
15. An introduction to message-passing concurrency

Functional Programming in C#: How to write better C# code By Enrico Buonanno Bibliography

- Rank: #1792424 in Books
- Published on: 2017-09-30
- Original language: English
- Dimensions: 8.27" h x .87" w x 5.91" l,
- Binding: Paperback
- 408 pages



[**Download Functional Programming in C#: How to write better ...pdf**](#)



[**Read Online Functional Programming in C#: How to write better ...pdf**](#)

Download and Read Free Online Functional Programming in C#: How to write better C# code By Enrico Buonanno

Editorial Review

About the Author

Enrico Buonanno obtained an MS in Computer Science at Columbia University in 2001 and has been working as a software developer and architect since. Working on mission-critical applications in FinTech and other technology-driven businesses has given him a thorough understanding of the demands made on enterprise applications, and how to respond to them with modern designs and techniques.

Users Review

From reader reviews:

Ann Edwards:

Have you spare time for a day? What do you do when you have considerably more or little spare time? That's why, you can choose the suitable activity to get spend your time. Any person spent their very own spare time to take a stroll, shopping, or went to often the Mall. How about open or perhaps read a book entitled Functional Programming in C#: How to write better C# code? Maybe it is for being best activity for you. You understand beside you can spend your time along with your favorite's book, you can wiser than before. Do you agree with their opinion or you have various other opinion?

Levi Ryan:

Are you kind of hectic person, only have 10 or 15 minute in your time to upgrading your mind skill or thinking skill even analytical thinking? Then you are receiving problem with the book compared to can satisfy your short time to read it because pretty much everything time you only find guide that need more time to be read. Functional Programming in C#: How to write better C# code can be your answer since it can be read by a person who have those short spare time problems.

Alta Favors:

In this period of time globalization it is important to someone to acquire information. The information will make someone to understand the condition of the world. The healthiness of the world makes the information easier to share. You can find a lot of sources to get information example: internet, paper, book, and soon. You can observe that now, a lot of publisher this print many kinds of book. The book that recommended to you is Functional Programming in C#: How to write better C# code this guide consist a lot of the information on the condition of this world now. This book was represented how does the world has grown up. The language styles that writer require to explain it is easy to understand. The actual writer made some study when he makes this book. This is why this book appropriate all of you.

Leticia Bennet:

Reading a guide make you to get more knowledge as a result. You can take knowledge and information from the book. Book is composed or printed or outlined from each source that will filled update of news. Within this modern era like now, many ways to get information are available for an individual. From media social such as newspaper, magazines, science reserve, encyclopedia, reference book, book and comic. You can add your knowledge by that book. Do you want to spend your spare time to spread out your book? Or just looking for the Functional Programming in C#: How to write better C# code when you needed it?

Download and Read Online Functional Programming in C#: How to write better C# code By Enrico Buonanno #24ZMGA8K653

Read Functional Programming in C#: How to write better C# code By Enrico Buonanno for online ebook

Functional Programming in C#: How to write better C# code By Enrico Buonanno Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Functional Programming in C#: How to write better C# code By Enrico Buonanno books to read online.

Online Functional Programming in C#: How to write better C# code By Enrico Buonanno ebook PDF download

Functional Programming in C#: How to write better C# code By Enrico Buonanno Doc

Functional Programming in C#: How to write better C# code By Enrico Buonanno Mobipocket

Functional Programming in C#: How to write better C# code By Enrico Buonanno EPub