

The book was found

F# 4.0 Design Patterns



Synopsis

Key Features
This book provides a path if you are coming from imperative and object-oriented paradigms. It will take you to an intermediate level of functional programming in a very practical manner to write enterprise-quality idiomatic F# code. Tackle complex computing problems by fully embracing the functional-first F# paradigm to generate simple code. Packed full of practical coding examples to help you master F# programming and generate optimal code.

Book Description
Design patterns is a well-known approach to writing better applications, which captures high-level abstractions that are common in many applications. This book will encourage you to develop an idiomatic F# coding skillset by fully embracing the functional-first F# paradigms. It will also help you harness this powerful tool to write succinct, bug-free, and cross-platform code.

F# 4.0 Design Patterns will start off by helping you develop a functional way of thinking. We will show you how beneficial the functional first paradigm is and how to use it to get the optimum results. The book will help you acquire the practical knowledge of the main functional design patterns while avoiding the traditional "Gang of Four" approach. We will take you through pattern matching, immutable data types, and sequences in F#. We will also uncover advanced functional patterns, look at polymorphic functions, data crunching, adjusting code through augmentation, and generalization. Lastly, we take a look at the advanced techniques to equip you with everything you need to write flawless code.

What you will learn
Acquire the practical knowledge to use the main functional design patterns
Realign some imperative and object-oriented principles under the functional approach
Make use of the 3 R's (retain, recognize, and reuse) in your professional activities
Develop your confidence in building and combining first-order and higher-order functions
Learn to use core language pattern matching effectively
Build custom abstract data types off embedded ones
Recognize and measure the difference in resource consumption between sequences and materialized data structures
Master writing generic polymorphic code

About the Author
Gene Belitski is an accomplished Software Developer with a strong track record, he is known for designing, implementing, and delivering mission critical competitive applications. He has been instrumental in the development of technology supporting the business of collection, analysis, and the distribution of high volumes of temporally complex market data time series. He also has a steadfast engineering mindset, which comes from a solid scientific background. You can find him on LinkedIn: <https://www.linkedin.com/in/genebelitski>, his blog at <https://infsharpmajor.wordpress.com/about/>, Stackoverflow at <http://stackoverflow.com/users/917053/gene-belitski>, and is a founding member of: <http://fsharp.org/>.

Book Information

Print Length: 301 pages

Publisher: Packt Publishing (November 4, 2016)

Publication Date: November 4, 2016

Sold by: Digital Services LLC

Language: English

ASIN: B01CGKAINU

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,125,887 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #729

in Kindle Store > Kindle eBooks > Computers & Technology > Programming > C & C++ #824

in Books > Computers & Technology > Programming > Languages & Tools > C# #824 in Books

> Computers & Technology > Databases & Big Data > Data Modeling & Design

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

Crochet: Easy Crochet Patterns: Crochet Patterns for Beginners (Crochet: Step by Step Crochet, Crochet Patterns, Easy Crochet Patterns, Crochet Patterns for Beginners, and Crochet Projects)

C#: Design Patterns: The Easy Way Standard Solutions for Everyday Programming Problems;

Great for: Game Programming, System Administration, App Programming, ... & Database Systems

(Design Patterns Series) C#: Design Patterns: The Easy Way Standard Solutions for Everyday

Programming Problems; Great for: Game Programming, System Administration, App ... & Database

Systems (Design Patterns Series) Scala Design Patterns: Patterns for Practical Reuse and Design

His Forge Burns Hot for Mosaic Damascus: Knife Patterns & Techniques: Damascus pattern

making & techniques. Learn how to make mosaic Damascus patterns ... techniques for making

Damascus patterns. Crochet Mandala: 12 Most Gorgeous Patterns With Easy Instructions: (Crochet

Hook A, Crochet Accessories, Crochet Patterns, Crochet Books, Easy Crochet ... Crocheting For

Dummies, Crochet Patterns) 11 Crochet Shawl Patterns: Crochet Poncho Patterns, Free Easy

Crochet Patterns and More Crochet Mandala: 15 Best Fabulous Patterns With Easy Instructions:

(Crochet Hook A, Crochet Accessories, Crochet Patterns, Crochet Books, Easy Crochet ...

Crocheting For Dummies, Crochet Patterns) Crochet Mandala For Beginners Learn To Create 15

Amazing Crochet Mandala Patterns: (Crochet Mandala Patterns, Crochet for Beginners) (crochet

books patterns, cute and easy crochet) Parallel Programming with Microsoft Visual C++: Design

Patterns for Decomposition and Coordination on Multicore Architectures (Patterns & Practices)
Feng Shui: Wellness and Peace- Interior Design, Home Decorating and Home Design (peace, home design, feng shui, home, design, home decor, prosperity) Service Design Patterns:
Fundamental Design Solutions for SOAP/WSDL and RESTful Web Services Winning Design!:
LEGO MINDSTORMS NXT Design Patterns for Fun and Competition (Technology in Action)
Modern C++ Design: Generic Programming and Design Patterns Applied Modern C++ Design:
Generic Programming and Design Patterns Applied (C++ In-Depth Series) Microservices: Patterns and Applications: Designing fine-grained services by applying patterns Embroideries & Patterns from 19th Century Vienna (Embroideries & patterns from nineteenth century Vienna from the Nowotny collection) Stained Glass Lampshade Patterns: 10 Patterns for Flat Panel Shade
Construction Knitting: 365 Days of Knitting: 365 Knitting Patterns for 365 Days (Knitting, Knitting Patterns, DIY Knitting, Knitting Books, Knitting for Beginners, Knitting Stitches, Knitting Magazines, Crochet) Afghans Crochet in One Day: One Evening Easy Crochet Patterns: (Crochet Books Patterns, Crochet Projects)

[Dmca](#)