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Software

Eric Freeman &
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with Kathy Sierra & Bert Bates

Second
Edition



A Brain-Friendly Guide

Head First Design Patterns Eric Freeman

Elisabeth Robson



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System Development Instant Reference Nicho Wong, 2025-03-18 This book is written for IT professionals as a practical ready to use reference offering just enough details to get started Unlike traditional system development textbooks it focuses on common issues encountered in daily enterprise operations and presents a series of proven strategies and solutions to tackle them drawn from 25 years of hands on experience How to complete the project on time within budget and meet user expectations What to consider when developing enterprise grade mission critical systems How to start with information first then move to interface and interaction design What technology options are available to consider and how to choose from them How to defend your system and protect important data How to migrate and convert data from existing system How to acquire the appropriate resources and get all the approval How to identify and resolve the potential issues before rollout How to release a system safely Different types of readers could benefit from this book Students or fresh graduates could obtain firsthand working knowledge before starting their career Existing practitioners can better understand the fields or areas that they are not familiar with Managers can update their knowledge on the latest technological trends Thousands of pieces of practical knowledge remain undocumented and beyond the reach of today's AI systems In short it summarizes how to speed up project development time how to avoid missing important requirements from different users how to minimize discrepancy between final product and customer expectations what are the most important considerations in choosing appropriate technologies the essential debugging and performance tuning techniques how to prevent unfamiliar technology from affecting the project how to work better with different parties how to handle challenges of different kinds and most importantly how to avoid project delay It also covers standards practices and procedures adopted

by public and private organization as well as the issues that arise including full set of documentation required procurement process migration of existing data security control privacy protection user acceptance test management and production rollout procedures A condensed edition is also available at <https://www.amazon.com/dp/B0GC5DBYTJ> for preview Version in other languages have been released <https://www.amazon.co.jp/dp/B0GCZMTJHS> <https://www.amazon.com/dp/B0GD2TK768> <https://www.amazon.com/dp/B0GD2TG221> Both full and condensed version are also available

Simple Object-Oriented Design Mauricio Aniche, 2024-06-04 Write object oriented code that's manageable, maintainable, and future proof. Keeping your object oriented designs simple demands a creative approach, and that's exactly what you'll find in *Simple Object Oriented Design*. This book is full of patterns and principles for reducing complexity, each one proven in author Mauricio Aniche's 20-year career in software development. You'll learn how to tackle code's natural growth in complexity and adopt a good enough approach that means it's easy to refactor when requirements change. You'll discover insightful principles for making code readable and documented, improving consistency and encapsulation, managing dependencies, designing abstractions, handling infrastructure, effective modularization. Learn what constitutes both good and bad object oriented software design, discover how to make better trade-offs in design decisions, and when to embrace complexity over simpler data structures. With this book as your vital reference, you'll be ready to write code that will last the test of time without slowing feature delivery to a crawl.

About the technology: Even a simple object oriented application can quickly become complex as it evolves. Each new class, method, or feature means more state and abstractions to manage, which in turn increases complexity, maintenance, and time spent detangling legacy code. It takes effort and skill to keep your codebase simple. This book shows you how.

About the book: *Simple Object Oriented Design* creates clean, maintainable applications, presents practical design principles you can use to keep an object oriented codebase simple as it grows and changes. Written as a collection of practical techniques you can apply in any OO language, it offers tips for concise code, managing dependencies and modules, and designing flexible abstractions. Illuminating figures, real-world examples, and insightful exercises make each principle stick.

What's inside: Writing simple, understandable classes; flexible abstractions to extend your designs; reducing the impact of coupling.

About the reader: Readers should be familiar with an object oriented language like Java, C, or Python.

About the author: Mauricio Aniche is a software engineer with 20 years of experience. He's also an Assistant Professor in Software Engineering at Delft University of Technology and the author of *Effective Software Testing*.

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[Head First HTML5 Programming](#) Eric Freeman, Elisabeth Robson, 2011-10-06 HTML has been on a wild ride. Sure, HTML started as a mere markup language, but more recently HTML's put on some major muscle. Now we've got a language tuned for building web applications with Web storage, 2D drawing, offline support, sockets, and threads, and more.

And to speak this language you've got to go beyond HTML5 markup and into the world of the DOM events and JavaScript APIs. Now you probably already know all about HTML markup otherwise known as structure and you know all about CSS style presentation but what you've been missing is JavaScript behavior. If all you know about are structure and presentation you can create some great looking pages but they're still just pages. When you add behavior with JavaScript you can create an interactive experience even better you can create full blown web applications. *Head First HTML5 Programming* is your ultimate tour guide to creating web applications with HTML5 and JavaScript and we give you everything you need to know to build them including how to add interactivity to your pages how to communicate with the world of Web services and how to use the great new APIs being developed for HTML5. Here are just some of the things you'll learn in *Head First HTML5 Programming*. Learn how to make your pages truly interactive by using the power of the DOM. Finally understand how JavaScript works and take yourself from novice to well informed in just a few chapters. Learn how JavaScript APIs fit into the HTML5 ecosystem and how to use any API in your web pages. Use the Geolocation API to know where your users are. Bring out your inner artist with Canvas HTML5's new 2D drawing surface. Go beyond just plugging a video into your pages and create custom video experiences. Learn the secret to grabbing five megabytes of storage in every user's browser. Improve your page's responsiveness and performance with Web workers. And much more. [C/C++ Users Journal](#), 2005

Software Development, 2005 **MSDN Magazine**, 2007 *Implementation Patterns* Kent Beck, 2008 From best selling author Kent Beck comes one of the most important books since the release of the GOF's *Design Patterns*

Programming Foundations: Design Patterns Elisabeth Robson, 2019 *Dr. Dobb's Journal*, 2006 [Head First Design Patterns](#) Eric Freeman, Elisabeth Robson, 2020 You know you don't want to reinvent the wheel so you look to design patterns the lessons learned by those who've faced the same software design problems. With design patterns you get to take advantage of the best practices and experience of others so that you can spend your time on something more challenging something more fun. This book shows you the patterns that matter when to use them and why how to apply them to your own designs and the object oriented design principles on which the patterns are based. Most importantly you want to learn design patterns in a way that won't put you to sleep. If you've read a *Head First* book you know what to expect a visually rich format designed for the way your brain works. Newly updated and expanded *Head First Design Patterns 2E* will load patterns into your brain in a way that sticks. In a way that makes you better at solving software design problems and better at speaking the language of patterns with others on your team. Join the hundreds of thousands of developers who have already improved their object oriented design skills through *Head First Design Patterns*.

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