Second Edition

Head First

Design Patterns

Building Extensible
& Maintainable
Object-Oriented
Software

Eric Freeman &
Elisabeth Robson

with Kathy Sierra & Bert Bates

A Brain-Friendly Guide

Head First Design Patterns Eric Freeman

Robert R. Redfield

Head First Design Patterns Eric Freeman:

Head First Design Patterns Eric Freeman,Elisabeth Robson,Elisabeth Freeman,Kathy Sierra,Bert Bates,2004-10-25 You re not alone At any given moment somewhere in the world someone struggles with the same software design problems you have You know you don t want to reinvent the wheel or worse a flat tire so you look to Design Patterns the lessons learned by those who ve faced the same 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 else Something more challenging Something more complex Something more fun You want to learn about the patterns that matter why to use them when to use them how to use them and when NOT to use them But you don t just want to see how patterns look in a book you want to know how they look in the wild In their native environment In other words in real world applications You also want to learn how patterns are used in the Java API and how to exploit Java s built in pattern support in your own code You want to learn the real OO design principles and why everything your boss told you about inheritance might be wrong and what to do instead You want to learn how those principles will help the next time you re up a creek without a design pattern Most importantly you want to learn the secret language of Design Patterns so that you can hold your own with your co worker and impress cocktail party guests when he casually mentions his stunningly clever use of Command Facade Proxy and Factory in between sips of a martini You ll easily counter with your deep understanding of why Singleton isn t as simple as it sounds how the Factory is so often misunderstood or on the real relationship between Decorator Facade and Adapter With Head First Design Patterns you ll avoid the embarrassment of thinking Decorator is something from the Trading Spaces show Best of all in a way that won t put you to sleep We think your time is too important and too short to spend it struggling with academic texts If you ve read a Head First book you know what to expect a visually rich format designed for the way your brain works Using the latest research in neurobiology cognitive science and learning theory Head First Design Patterns will load patterns into your brain in a way that sticks In a way that lets you put them to work immediately 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   Head First Design Patterns Eric Freeman,Elisabeth Robson,2020-11-24 What will you learn from this book 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 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 they re based Join hundreds of thousands of developers who ve improved their object oriented design skills through Head First Design Patterns What s so special about this book If you ve read a Head First book you know what to expect a visually rich format designed for the way your brain works With Head First Design Patterns 2E you ll learn design principles and patterns in a way that won t put you

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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 aboutCSS 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 Programing 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

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