



Practical Object Oriented Design

Sandi Metz



Practical Object Oriented Design:

Practical Object-Oriented Design Sandi Metz, 2018-07-10 The Complete Guide to Writing Maintainable Manageable Pleasing and Powerful Object Oriented Applications Object oriented programming languages exist to help you create beautiful straightforward applications that are easy to change and simple to extend Unfortunately the world is awash with object oriented OO applications that are difficult to understand and expensive to change Practical Object Oriented Design Second Edition immerses you in an OO mindset and teaches you powerful real world object oriented design techniques with simple and practical examples Sandi Metz demonstrates how to build new applications that can survive success and repair existing applications that have become impossible to change Each technique is illustrated with extended examples in the easy to understand Ruby programming language all downloadable from the companion website poodr.com Fully updated for Ruby 2.5 this guide shows how to Decide what belongs in a single class Avoid entangling objects that should be kept separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully apply inheritance Build objects via composition Whatever your previous object oriented experience this concise guide will help you achieve the superior outcomes you're looking for Register your book for convenient access to downloads updates and or corrections as they become available See inside book for details Practical Object-Oriented Design Sandi Metz, 2018

Practical Object-Oriented Design in Ruby Sandi Metz, 2012-09-05 The Complete Guide to Writing More Maintainable Manageable Pleasing and Powerful Ruby Applications Ruby's widely admired ease of use has a downside Too many Ruby and Rails applications have been created without concern for their long term maintenance or evolution The Web is awash in Ruby code that is now virtually impossible to change or extend This text helps you solve that problem by using powerful real world object oriented design techniques which it thoroughly explains using simple and practical Ruby examples Sandi Metz has distilled a lifetime of conversations and presentations about object oriented design into a set of Ruby focused practices for crafting manageable extensible and pleasing code She shows you how to build new applications that can survive success and repair existing applications that have become impossible to change Each technique is illustrated with extended examples all downloadable from the companion Web site poodr.info The first title to focus squarely on object oriented Ruby application design Practical Object Oriented Design in Ruby will guide you to superior outcomes whatever your previous Ruby experience Novice Ruby programmers will find specific rules to live by intermediate Ruby programmers will find valuable principles they can flexibly interpret and apply and advanced Ruby programmers will find a common language they can use to lead development and guide their colleagues This guide will help you Understand how object oriented programming can help you craft Ruby code that is easier to maintain and upgrade Decide what belongs in a single Ruby class Avoid entangling objects that should be kept separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully apply inheritance Build objects via composition Design cost effective tests Solve common problems

associated with poorly designed Ruby code *Practical Object-oriented Design in Ruby : an Agile Primer* Sandi Metz,2013

Practical Object-oriented Design Mark Priestley,1997 An introduction to object oriented design aimed particularly programmers with little or no design experience The book looks at the computer programmes using the techniques of object oriented design object modelling Rumbaugh Method and also features code examples in C Emphasis is placed on connections between design and programme code Design notations and how they provide a suitable vehicle for discussing software architecture are examined Included are chapter exercises a complete worked example with implementation and other case studies *Fundamentals of Object-oriented Design in UML* Meilir Page-Jones,2000 With this book object oriented developers can hone the skills necessary to create the foundation for quality software a first rate design The book introduces notation principles and terminology that developers can use to evaluate their designs and discuss them meaningfully with colleagues Every developer will appreciate the detailed diagrams on point examples helpful exercises and troubleshooting techniques Practical Object-Oriented Development in C++ and Java Cay S. Horstmann,1997-04-21 Practical OO development tips for the C and Java programmer Practical Object Oriented Development in C and Java offers advice on real world ways to use these powerful programming languages and techniques Using the Unified Modeling Language UML methodology expert Cay S Horstmann gives you clear concise explanations of object oriented design C and Java in a way that makes these potentially daunting operations more accessible than they ve ever been before Horstmann compares and contrasts features of C and Java to give you a deeper understanding of OO design He separates the genuinely useful C Java and UML features from the less effective and potentially harmful ones Horstmann shows you how to determine the best programming practice for whatever application you re in provides the kind of eye opening design tips and style rules that can only come from experience and demystifies advanced topics like frameworks and object persistence Dozens of illuminating programming examples are readily accessible through the accompanying Web site Useful code is available for smart pointers easy output formatting in C and Java a set of classes that makes STL safe to use and a nifty utility that automatically extracts header files This unique book Offers over 100 practical design hints for good class design Covers the essential OO features of Java 1.1 like serialization and reflection Uses the C Standard Template Library STL throughout Covers CRC cards in addition to UML Practical Object-oriented Design with UML Mark Priestley,2003 This is a revised and updated edition of this title which provides a practical introduction to the design of object oriented programs using UML It includes detailed coverage of modelling techniques and notation with worked examples throughout The book contains substantial code examples in Java It clearly connects design concepts with code and is useful for people with programming experience who wish to learn about design It is also useful for computer science and software engineering undergraduates taking courses covering object oriented techniques The book provides explanations of UML and OCL notation emphasis on transitions from design to code as well as including complete case studies with code and many exercises *Real-time Design Patterns* Bruce Powel

Douglass,2003 This revised and enlarged edition of a classic in Old Testament scholarship reflects the most up to date research on the prophetic books and offers substantially expanded discussions of important new insight on Isaiah and the other prophets

The Rational Unified Process Philippe Kruchten,2004 bull Reflects all of the changes that were integrated into RUP v2003 the latest version of the very popular product bull Learn the key concepts fundamentals of structure integral content and motivation behind the RUP bull Covers all phases of the software development lifecycle from concept to delivery to revision

Software Development for Small Teams Gary Pollice,2004 I highly recommend this book for anyone who s ever tried to implement RUP on a small project Pollice and company have demystified and effectively scaled the process while ensuring that its essence hasn t been compromised A must have for any RUPster s library

Chris Soskin Process Engineering Consultant Toyota Motor Sales Do you want to improve the process on your next project Perhaps you d like to combine the best practices from the Rational Unified Process RUP and from agile methodologies such as Extreme Programming If so buy this book *Software Development for Small Teams* describes an entire software development project from the initial customer contact through delivery of the software Through a case study it describes how one small distributed team designed and applied a successful process But this is not a perfect case study The story includes what worked and what didn t and describes how the team might change its process for the next project The authors encourage you to assess their results and to use the lessons learned on your next project Key topics covered include Achieving a balance between people process and tools recognizing that software develo

The Object Constraint Language Jos B. Warmer, Anneke G. Kleppe,2003 bull Learn to better leverage the significant power of UML 2 0 and the Model Driven Architecture standard bull The OCL helps developers produce better software by adding vital definition to their designs bull Updated to reflect the latest version of the standard OCL 2 0

Analysis Patterns Martin Fowler,1997 Martin Fowler is a consultant specializing in object oriented analysis and design This book presents and discusses a number of object models derived from various problem domains All patterns and models presented have been derived from the author s own consulting work and are based on real business cases

Use Case Modeling Kurt Bittner, Ian Spence,2003 Discusses how to define and organize use cases that model the user requirements of a software application The approach focuses on identifying all the parties who will be using the system then writing detailed use case descriptions and structuring the use case model An ATM example runs throughout the book The authors work at Rational Software Annotation copyrighted by Book News Inc Portland OR

Real Time UML Bruce Powel Douglass,2004 Covers UML 2 0

Object-oriented Design in Java Stephen Gilbert, Bill McCarty,1998 Targeting the needs of Java application programmers this book uses an experience based hands on approach The CD ROM contains the Code Warrior Lite multi platform Integrated Development Environment IDE and Borland s JBuilder trial version

Prac O-O Dsign Wth Uml, 2/E Priestley,2005-12

The Art of ClearCase Deployment Christian D. Buckley, Darren W. Pulsipher,2005

Aspect-oriented Analysis and Design Siobhán

Clarke, Elisa Baniassad, 2005 An introduction for developers who need practical information to make the significant shift to aspect oriented development **Practical Object Oriented Design** Bhuvan Unhelkar, 2005 Practical Object Oriented Design deals with the designing of software systems in the solution space using the Unified Modelling Language UML 2.0 This book builds on the analysis models created in its precursor Practical Object Oriented Analysis and iteratively creates architectural and solution models

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