Microsoft

Adaptive Code via C#

Agile coding with design patterns and SOLID principles

Professional

Gary McLean Hall

Adaptive Code Via C Agile Coding With Design Patterns

S Marginson

Adaptive Code Via C Agile Coding With Design Patterns:

  Adaptive Code Via C# Gary McLean Hall,2014 Your process may be agile but are you building agility directly into the code base This book teaches NET programmers how to give code the flexibility to adapt to changing requirements and customer demands by applying cutting edge techniques including SOLID principles design patterns and other industry best practices Understand why composition is preferable to inheritance and how flexible the interface really can be gain deep knowledge of key design patterns and anti patterns when to apply them and how to give their code agility bridge the gap between the theory behind SOLID principles design patterns and industry best practices by pragmatically solving real world problems get code samples written in upcoming version of Microsoft Visual C Topics include Agile with Scrum process dependencies and layering the interface patterns and anti patterns introduction to SOLID principles including open closed and dependency interjection and using application templates Publisher s description   **Adaptive Code** Gary McLean Hall,2017-04-18 Write code that can adapt to changes By applying this book s principles you can create code that accommodates new requirements and unforeseen scenarios without significant rewrites Gary McLean Hall describes Agile best practices principles and patterns for designing and writing code that can evolve more quickly and easily with fewer errors because it doesn t impede change Now revised updated and expanded Adaptive Code Second Edition adds indispensable practical insights on Kanban dependency inversion and creating reusable abstractions Drawing on over a decade of Agile consulting and development experience McLean Hall has updated his best seller with deeper coverage of unit testing refactoring pure dependency injection and more Master powerful new ways to Write code that enables and complements Scrum Kanban or any other Agile framework Develop code that can survive major changes in requirements Plan for adaptability by using dependencies layering interfaces and design patterns Perform unit testing and refactoring in tandem gaining more value from both Use the golden master technique to make legacy code adaptive Build SOLID code with single responsibility open closed and Liskov substitution principles Create smaller interfaces to support more diverse client and architectural needs Leverage dependency injection best practices to improve code adaptability Apply dependency inversion with the Stairway pattern and avoid related anti patterns About You This book is for programmers of all skill levels seeking more practical insight into design patterns SOLID principles unit testing refactoring and related topics Most readers will have programmed in C Java C or similar object oriented languages and will be familiar with core procedural programming techniques   **Clean Code with C#** Jason Alls,2023-12-22 Enhance your programming skills through code reviews TDD and BDD implementation and API design to overcome code inefficiency redundancy and other issues arising from bad code Key Features Write code that seamlessly integrates with other systems while maintaining well defined software boundaries Understand how coding principles and standards elevate software quality Learn how to avoid common errors while implementing concurrency or threading Purchase of the print or Kindle book includes a free PDF eBook Book

DescriptionTraditionally associated with Windows desktop applications and game development C has expanded into web cloud and mobile development However despite its extensive coding features professionals often encounter issues with efficiency scalability and maintainability due to poor code Clean Code in C guides you in identifying and resolving these problems using coding best practices This book starts by comparing good and bad code to emphasize the importance of coding standards principles and methodologies It then covers code reviews unit testing and test driven development and addresses cross cutting concerns As you advance through the chapters you ll discover programming best practices for objects data structures exception handling and other aspects of writing C computer programs You ll also explore API design and code quality enhancement tools while studying examples of poor coding practices to understand what to avoid By the end of this clean code book you ll have the developed the skills needed to apply industry approved coding practices to write clean readable extendable and maintainable C code What you will learn Master the art of writing evolvable and adaptable code Implement the fail pass refactor methodology using a sample C console application Develop custom C exceptions that provide meaningful information Identify low quality C code in need of refactoring Improve code performance using profiling and refactoring tools Create efficient and bug free code using functional programming techniques Write cross platform code using MAUI Develop cloud deployable microservices for versatile applications Who this book is for This coding book is for proficient C developers team leads senior software engineers and software architects who want to improve the efficiency of their legacy systems A strong understanding of C programming is assumed **Mastering Object-Oriented Design Patterns in Modern C++: Unlock the Secrets of Expert-Level Skills** Larry Jones,2025-02-27 Unlock the full potential of software development with Mastering Object Oriented Design Patterns in Modern C Unlock the Secrets of Expert Level Skills This comprehensive guide is meticulously crafted for experienced programmers eager to deepen their understanding of design patterns and how they revolutionize software architecture With a focus on modern C advancements this book equips you with the knowledge to create robust scalable and efficient applications tailored to the challenges of today s fast paced digital landscape Embodying a blend of theoretical insight and practical application this book delves into the intricacies of object oriented principles and the strategic implementation of creational structural and behavioral patterns Each chapter is designed to enhance your proficiency from advanced template metaprogramming to concurrent programming strategies Moreover nuanced discussions on memory management best practices and anti patterns further prepare you to craft streamlined code that not only meets but exceeds industry standards Dive into expertly curated content that demystifies complex programming concepts and empowers you to elevate your software development approach Through clear explanations real world examples and insightful advice Mastering Object Oriented Design Patterns in Modern C transforms theoretical knowledge into practical mastery Whether you are architecting applications for personal or enterprise needs this book will serve as your definitive guide to mastering design excellence in the realm of modern C   2024-25 RPSC

Programmer Solved Papers and Practice Book YCT Expert Team , 2024 25 RPSC Programmer Solved Papers and Practice Book 160 295 E This book contains practice book and covers paper I and Paper II   Business Patterns for Software Developers Allan Kelly,2012-04-10 A must have recipe book for building software Perhaps you can relate to this all too common scenario you know all about your software product but could do with some help in understanding the strategic side of things If so this book is the one stop resource you ll need in order to become a successful software entrepreneur Patterns expert Allan Kelly provides you with the step by step route that needs to be followed in order to understand business strategy and operations Each chapter starts out with a solid introduction and theoretical overview which is then further illustrated with patterns and case studies all aimed at helping you move into the management of software Teaches you the ropes of business strategy and operations for software Places special emphasis on the patterns for those who make software for sale Addresses patterns philosophy patterns strategies business strategy patterns and software company lifecycle Shares practical tools tips and examples of best practices so you can see how each specific pattern fits in and needs to be implemented Business Patterns for Software Development divulges strategies operations and structures for building successful software   **What Every Engineer Should Know about Software Engineering** Philip A. Laplante,2007-04-25 Do you Use a computer to perform analysis or simulations in your daily work Write short scripts or record macros to perform repetitive tasks Need to integrate off the shelf software into your systems or require multiple applications to work together Find yourself spending too much time working the kink   **Crystal Clear** Alistair Paul Becker,Alistair Cockburn,2004-10-19 Carefully researched over ten years and eagerly anticipated by the agile community Crystal Clear A Human Powered Methodology for Small Teams is a lucid and practical introduction to running a successful agile project in your organization Each chapter illuminates a different important aspect of orchestrating agile projects Highlights include Attention to the essential human and communication aspects of successful projects Case studies examples principles strategies techniques and guiding properties Samples of work products from real world projects instead of blank templates and toy problems Top strategies used by software teams that excel in delivering quality code in a timely fashion Detailed introduction to emerging best practice techniques such as Blitz Planning Project 360o and the essential Reflection Workshop Question and answer with the author about how he arrived at these recommendations including where they fit with CMMI ISO RUP XP and other methodologies A detailed case study including an ISO auditor s analysis of the project Perhaps the most important contribution this book offers is the Seven Properties of Successful Projects The author has studied successful agile projects and identified common traits they share These properties lead your project to success conversely their absence endangers your project   Springer Handbook of Engineering Statistics Hoang Pham,2006 In today s global and highly competitive environment continuous improvement in the processes and products of any field of engineering is essential for survival This book gathers together the full range of statistical techniques required by engineers from all fields It will assist them to gain

sensible statistical feedback on how their processes or products are functioning and to give them realistic predictions of how these could be improved The handbook will be essential reading for all engineers and engineering connected managers who are serious about keeping their methods and products at the cutting edge of quality and competitiveness **Agile Software Development with Scrum** Ken Schwaber,Mike Beedle,2002 Arguably the most important book about managing technology and systems development efforts this book describes building systems using the deceptively simple process Scrum Readers will come to understand a new approach to systems development projects that cuts through the complexity and ambiguity of complex emergent requirements and unstable technology to iteratively and quickly produce quality software BENEFITS Learn how to immediately start producing software incrementally regardless of existing engineering practices or methodologies Learn how to simplify the implementation of Agile processes Learn how to simplify XP implementation through a Scrum wrapper Learn why Agile processes work and how to manage them Understand the theoretical underpinnings of Agile processes *Science Abstracts* ,1995 **Adaptive Code** Gary McLean Hall,2021-06-18 Write code that can adapt to changes By applying this book s principles you can create code that accommodates new requirements and unforeseen scenarios without significant rewrites Gary McLean Hall describes Agile best practices principles and patterns for designing and writing code that can evolve more quickly and easily with fewer errors because it doesn t impede change Now revised updated and expanded Adaptive Code Third Edition adds indispensable practical insights on Kanban dependency inversion and creating reusable abstractions Drawing on over a decade of Agile consulting and development experience McLean Hall has updated his best seller with deeper coverage of unit testing refactoring pure dependency injection and more Master powerful new ways to Write code that enables and complements Scrum Kanban or any other Agile framework Develop code that can survive major changes in requirements Plan for adaptability by using dependencies layering interfaces and design patterns Perform unit testing and refactoring in tandem gaining more value from both Use the golden master technique to make legacy code adaptive Build SOLID code with single responsibility open closed and Liskov substitution principles Create smaller interfaces to support more diverse client and architectural needs Leverage dependency injection best practices to improve code adaptability Apply dependency inversion with the Stairway pattern and avoid related anti patterns About You This book is for programmers of all skill levels seeking more practical insight into design patterns SOLID principles unit testing refactoring and related topics Most readers will have programmed in C Java C or similar object oriented languages and will be familiar with core procedural programming techniques Large-Scale Software Architecture Jeff Garland,Richard Anthony,2003 In this book the authors show how to utilize software architecture as a tool to guide the development instead of capturing the architectural details after all the design decisions have been made They offer a concise description of UML usage for large scale architecture and discuss software architecture and design principles *Genetic and Evolutionary Computation Conference* Hans-Georg Beyer,2005 *Ежегодный библиографический указатель книг*

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