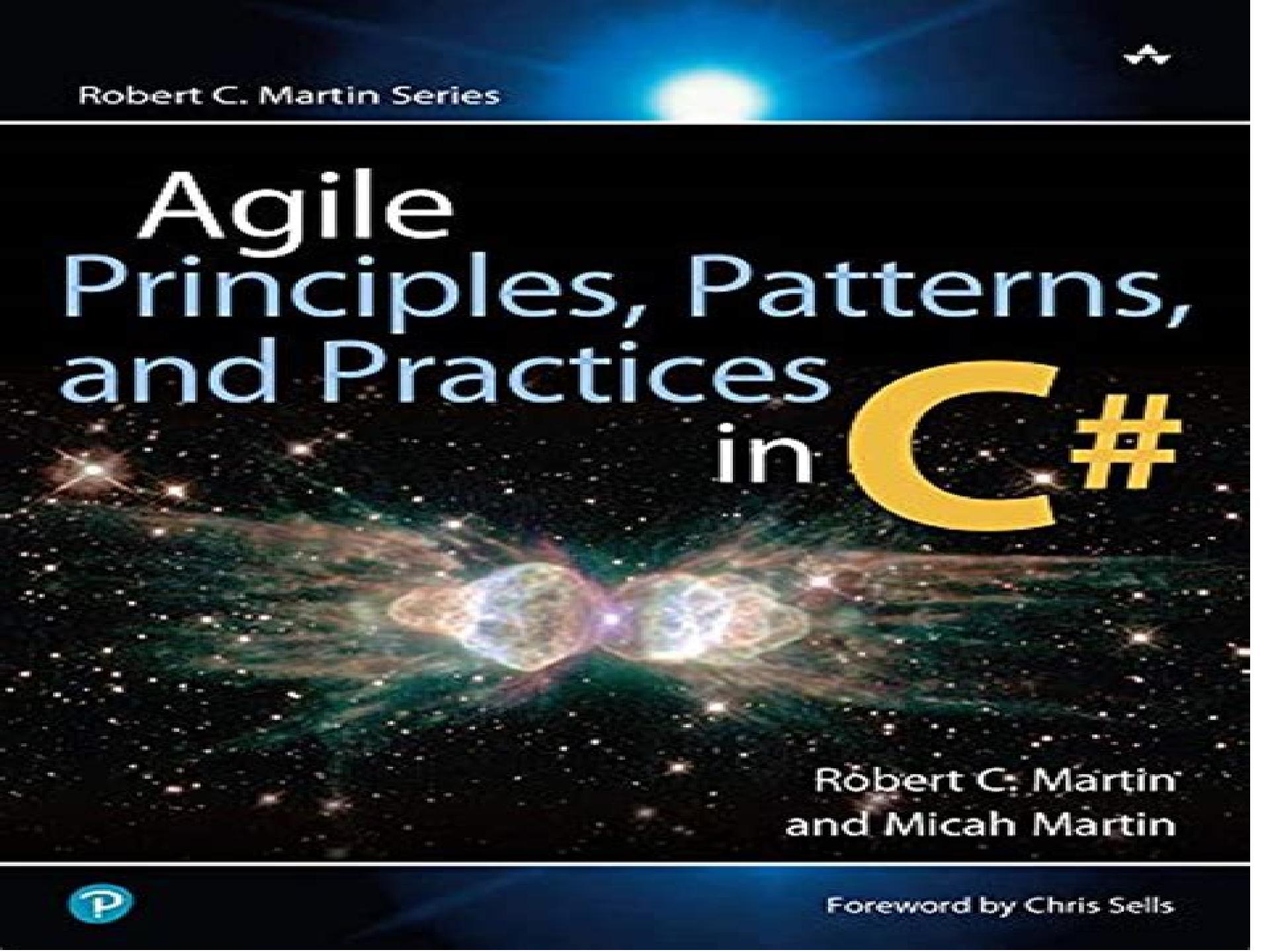


Robert C. Martin Series



# Agile Principles, Patterns, and Practices in **C#**

The background of the book cover features a photograph of a city at night, viewed from an aerial perspective. The city lights create a grid-like pattern of glowing green and yellow colors, with a prominent highway or railway line running diagonally across the frame. The overall atmosphere is futuristic and dynamic.

Robert C. Martin  
and Micah Martin



Foreword by Chris Sells

# Agile Principles Patterns And Practices In C

**Sanjiv Augustine**

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*Agile Principles, Patterns, and Practices in C#* Micah Martin, Robert C. Martin, 2006-07-20 With the award winning book Agile Software Development Principles Patterns and Practices Robert C Martin helped bring Agile principles to tens of thousands of Java and C programmers Now NET programmers have a definitive guide to agile methods with this completely updated volume from Robert C Martin and Micah Martin Agile Principles Patterns and Practices in C This book presents a series of case studies illustrating the fundamentals of Agile development and Agile design and moves quickly from UML models to real C code The introductory chapters lay out the basics of the agile movement while the later chapters show proven techniques in action The book includes many source code examples that are also available for download from the authors Web site Readers will come away from this book understanding Agile principles and the fourteen practices of Extreme Programming Spiking splitting velocity and planning iterations and releases Test driven development test first design and acceptance testing Refactoring with unit testing Pair programming Agile design and design smells The five types of UML diagrams and how to use them effectively Object oriented package design and design patterns How to put all of it together for a real world project Whether you are a C programmer or a Visual Basic or Java programmer learning C a software development manager or a business analyst Agile Principles Patterns and Practices in C is the first book you should read to understand agile software and how it applies to programming in the NET Framework

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### Agile Software Development, Principles, Patterns, and Practices

Robert C. Martin, 2013-08-29 For courses in Object Oriented Design C Intermediate Programming and Object Oriented Programming Written for software engineers in the trenches this text focuses on the technology the principles patterns and process that help software engineers effectively manage increasingly complex operating systems and applications There is also a strong emphasis on the people behind the technology This text will prepare students for a career in software engineering and serve as an on going education for software engineers

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**The Robert C. Martin Clean Code Collection (Collection)** Robert C. Martin,2011-11-10 The Robert C Martin Clean Code Collection consists of two bestselling eBooks Clean Code A Handbook of Agile Software Craftsmanship The Clean Coder A Code of Conduct for Professional Programmers In Clean Code legendary software expert Robert C Martin has teamed up with his colleagues from Object Mentor to distill their best agile practice of cleaning code on the fly into a book that will instill within you the values of a software craftsman and make you a better programmer but only if you work at it You will be challenged to think about what s right about that code and what s wrong with it More important you will be challenged to reassess your professional values and your commitment to your craft In The Clean Coder Martin introduces the disciplines techniques tools and practices of true software craftsmanship This book is packed with practical advice about everything from estimating and coding to refactoring and testing It covers much more than technique It is about attitude Martin shows how to approach software development with honor self respect and pride work well and work clean communicate and estimate faithfully face difficult decisions with clarity and honesty and understand that deep knowledge comes with a responsibility to act Readers of this collection will come away understanding How to tell the difference between good and bad code How to write good code and how to transform bad code into good code How to create good names good functions good objects and good classes How to format code for maximum readability How to implement complete error handling without obscuring code logic How to unit test and practice test driven development What it means to behave as a true software craftsman How to deal with conflict tight schedules and unreasonable managers How to get into the flow of coding and get past writer s block How to handle unrelenting pressure and avoid burnout How to combine enduring attitudes with new development paradigms How to manage your time and avoid blind alleys marshes bogs and swamps How to foster environments where programmers and teams can thrive When to say No and how to say it When to say Yes and what yes really means

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**Brownfield Application Development in .NET** Kyle Baley, Donald Belcham, 2010 This guide shows developers how to approach legacy applications with the state of the art concepts patterns and tools developers apply to new projects

**Clean Code** Robert C. Martin, 2008-08-01 Even bad code can function But if code isn't clean it can bring a development organization to its knees Every year countless hours and significant resources are lost because of poorly written code But it doesn't have to be that way Noted software expert Robert C Martin presents a revolutionary paradigm with Clean Code A Handbook of Agile Software Craftsmanship Martin has teamed up with his colleagues from Object Mentor to distill their best agile practice of cleaning code on the fly into a book that will instill within you the values of a software craftsman and make you a better programmer but only if you work at it What kind of work will you be doing You'll be reading code lots of code And you will be challenged to think about what's right about that code and what's wrong with it More importantly you will be challenged to reassess your professional values and your commitment to your craft Clean Code is divided into three parts The first describes the principles patterns and practices of writing clean code The second part consists of several case studies of increasing complexity Each case study is an exercise in cleaning up code of transforming a code base that has some problems into one that is sound and efficient The third part is the payoff a single chapter containing a list of heuristics and smells gathered while creating the case studies The result is a knowledge base that describes the way we think when we write read and clean code Readers will come away from this book understanding How to tell the difference between good and bad code How to write good code and how to transform bad code into good code How to create good names good functions good objects and good classes How to format code for maximum readability How to implement complete error handling without obscuring code logic How to unit test and practice test driven development This book is a must for any developer software engineer project manager team lead or systems analyst with an interest in producing better code

*American Book Publishing Record*, 2005

**Managing Agile Projects** Sanjiv Augustine, 2005 Your Hands On In the Trenches Guide to Successfully Leading Agile Projects Agile methods promise to infuse development with unprecedented flexibility speed and value and these promises are attracting IT organizations worldwide However agile methods often fail to clearly define the manager's role and many managers have been reluctant to buy in Now expert project manager Sanjiv Augustine introduces agility from the manager's point of view offering a proven management framework that addresses everything from team building to project control Augustine bridges the disconnect between the assumptions and techniques of traditional and agile management demonstrating why agility is better aligned with today's project realities and how to simplify your transition Using a detailed case study he shows how agile methods can scale to succeed in even the largest projects Defining a high value role for the manager in agile project environments Refocusing on outcomes not rigid plans processes or controls Structuring and building adaptive self organizing organic teams Forming a guiding vision that aligns your team behind a common purpose Empowering your team with the information it needs to succeed Managing the flow of customer

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**Systems Analysis and Design** David P. Tegarden,Binny Samuel,Roman Lukyanenko,Alan Dennis,Barbara Haley Wixom,2025-07-09 Enables readers to analyze and design systems not just read about IT Systems Analysis and Design An Object Oriented Approach with UML Seventh Edition captures the dynamic aspects of the field by keeping students focused on doing SAD while presenting the core set of skills that every systems analyst needs to know today and in the future The team of expert authors introduces each major technique explains what it is explains how to do it presents an example and provides opportunities for students to practice before they do it for real in a project After reading each chapter students will be able to perform that step in the system development process NEW TO THIS EDITION A greater emphasis on developing information systems using an incremental and iterative approach and verifying validating and testing throughout the book Chapter on agile development Chapter that overviews the supporting workflows of the Unified Process Greatly expanded the Library Management System LMS example integrated throughout the chapters Converted the Campus Housing example to a set of Your Turn exercises Also suggested answers to each exercise are included in the Instructor s Manual Appendix section on sequence decision and looping repeating programming structures New and expanded sections on storytelling NoSQL data distribution and peer to peer architecture Expanded coverage of the interdependencies among the functional Chapter 3 structural Chapter 4 and behavioral Chapter 5 models New and revised figures throughout the book Updated MS Word templates that can be used for system requests system proposals use case descriptions CRC cards contracts method specifications use case test plan class test plan and class invariant test specifications WILEY ADVANTAGE Focuses on real world application by guiding students through practice problems and using the technique in a projectPresents a contemporary object oriented approach using UML Unified Modeling Language Integrates stories feedback and advice from a diverse industry advisory board of IS professionals and consultantsProvides chapters that each cover a different step in the Systems Development Life Cycle SDLC process

**The British National Bibliography** Arthur James Wells,2009

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