WORKING EFFECTIVELY WITH LEGACY CODE

Michael C. Feathers

Working Effectively With Legacy Code

MICHAEL. FEATHERS

Working Effectively With Legacy Code :

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you seek maintainable code As you follow the exercises in the book the author almost anticipates your questions and you will have the answers ready to be implemented on your project *Mockito Essentials* Sujoy Acharya,2014-10-24 This book is ideal for developers who have some experience in Java application development as well as some basic knowledge of test doubles and JUnit testing This book also introduces you to the fundamentals of JUnit testing test doubles refactoring legacy code and writing JUnit tests for GWT and web services *The Art of Unit Testing, Third Edition* Roy Osherove,2024-03-26 Unit testing is more than just a collection of tools and practices it s a state of mind This bestseller reveals the master s secrets for delivering robust maintainable and trustworthy code Thousands of developers have learned to hone their code quality under the tutelage of The Art of Unit Testing This revised third edition updates an international bestseller to reflect modern development tools and practices as well as to cover JavaScript Inside The Art of Unit Testing Third Edition you will learn how to Create readable maintainable and trustworthy tests Work with fakes stubs mock objects and isolation frameworks Apply simple dependency injection techniques Refactor legacy code with confidence Test both frontend and backend code Effective unit tests streamline your software development process and ensure you deliver consistent high quality code every time With practical examples in JavaScript and Node this hands on guide takes you from your very first unit tests all the way to comprehensive test suites naming standards and refactoring techniques You ll explore test patterns and organization working with legacy code and even untestable code The many tool agnostic examples are presented in JavaScript and carefully designed so that they apply to code written in any language About the technology The art of unit testing is more than just learning the right collection of tools and practices It s about understanding what makes great tests tick finding the right strategy for each unique situation and knowing what to do when the testing process gets messy This book delivers insights and advice that will transform the way you test your software About the book The Art of Unit Testing Third Edition shows you how to create readable and maintainable tests It goes well beyond basic test creation into organization wide test strategies troubleshooting working with legacy code and merciless refactoring You ll love the practical examples and familiar scenarios that make testing come alive as you read This third edition has been updated with techniques specific to object oriented functional and modular coding styles The examples use JavaScript What s inside Deciding on test types and strategies Test Entry Exit Points Refactoring legacy code Fakes stubs mock objects and isolation frameworks Object Oriented Functional and Modular testing styles About the reader Examples use JavaScript TypeScript and Node js About the author Roy Osherove is an internationally recognized expert in unit testing and agile software methodology Vladimir Khorikov is the author of Manning s Unit Testing Principles Practices and Patterns a Pluralsight author and a Microsoft MVP Table of Contents PART 1 1 The basics of unit testing 2 A first unit test PART 2 3 Breaking dependencies with stubs 4 Interaction testing using mock objects 5 Isolation frameworks 6 Unit testing asynchronous code PART 3 7 Trustworthy tests 8 Maintainability PART 4 9 Readability 10 Developing a testing strategy 11 Integrating unit

testing into the organization 12 Working with legacy code Appendix Monkey patching functions and modules   Mockito Cookbook Marcin Grzejszczak,2014-06-24 This is a focused guide with lots of practical recipes with presentations of business issues and presentation of the whole test of the system This book shows the use of Mockito s popular unit testing frameworks such as JUnit PowerMock TestNG and so on If you are a software developer with no testing experience especially with Mockito and you want to start using Mockito in the most efficient way then this book is for you This book assumes that you have a good knowledge level and understanding of Java based unit testing frameworks   **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 Craftmanship 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   *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   **If I Only Changed the Software, Why is the Phone on Fire?: Embedded Debugging Methods Revealed** Lisa K. Simone,2007-03-22 If I Only Changed the Software Why is the Phone on Fire Embedded Debugging Methods Revealed manages the unthinkable it conveys crucial technical information to engineers without boring them to tears In this unique reference expert embedded designer Lisa

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London Software Craftsmanship Community LSCC now the world s largest and most active Software Craftsmanship community with more than two thousand craftsmen For the past four years he has inspired and helped developers to organize Software Craftsmanship communities throughout Europe the United States and the rest of the world **C/C++ Users Journal** ,2005 Code Quality Diomidis Spinellis,2006 Page 26 How can I avoid off by one errors Page 143 Are Trojan Horse attacks for real Page 158 Where should I look when my application can t handle its workload Page 256 How can I detect memory leaks Page 309 How do I target my application to international markets Page 394 How should I name my code s identifiers Page 441 How can I find and improve the code coverage of my tests Diomidis Spinellis first book Code Reading showed programmers how to understand and modify key functional properties of software Code Quality focuses on non functional properties demonstrating how to meet such critical requirements as reliability security portability and maintainability as well as efficiency in time and space Spinellis draws on hundreds of examples from open source projects such as the Apache web and application servers the BSD Unix systems and the HSQLDB Java database to illustrate concepts and techniques that every professional software developer will be able to appreciate and apply immediately Complete files for the open source code illustrated in this book are available on the Code Reading CD ROM and online at http www spinellis gr codequality **Managing Agile Projects** Sanjiv Augustine,2005 Your Hands On In the Trenches Guide to Successfully Leading AgileProjectsAgile methods promise to infuse development with unprecedented flexibility speed and valueand 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 environmentsRefocusing on outcomes not rigid plans processes or controlsStructuring and building adaptive self organizing organic teamsForming a guiding vision that aligns your team behind a common purposeEmpowering your team with the information it needs to succeedManaging the flow of customer value from one creative stage to the nextLeveraging your team members strengths as whole personsImplementing full life cycle agility from planning and coding to maintenance and knowledge transfer Customizing agile methods to your unique environmentBecoming an adaptive leader who can inspire and energize agile teams Whether you re a technical or business manager Managing Agile Projectsgives you all the tools you need to implement agility in your environmentand reap its full benefits Managing Agile Projects is part of the Robert C Martin series c Copyright Pearson Education All rights reserved

Working Effectively With Legacy Code Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has be apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Working Effectively With Legacy Code** ," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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