Effective Project Management Traditional Agile Extreme Robert K Wysocki

Effective Project Management *Effective Project Management* **Effective Project Management Clean Code** *Agile Software Development* **The Project Manager's Guide to Mastering Agile** *Making Sense of Agile Project Management* **Managing Complex Projects and Programs** Extreme Programming and Agile Methods - XP/Agile Universe 2004 **Ace the PMI-ACP® exam Managing Agile Projects Good Small Business Guide 2012 IT Project Health Checks** The Clean Coder *Agile 2* **The Robert C. Martin Clean Code Collection (Collection)** *Results Without Authority McGraw-Hill Education ACP Agile Certified Practitioner Exam* Perspectives in Project Management **Agile Principles, Patterns, and Practices in C#** *Project Management ToolBox* **Managing Operations in Manufacturing, Services and e-Business - 2nd Edition Effective Complex Project Management Agile Software Construction Agile Software Development Ecosystems Cranked Software Process Dynamics and Agility The British National Bibliography** *Clean Architecture* **Transforming Acquisitions and Collection Services** Fit for Developing Software Effective Software Project Management **eXtreme Project Management** Code Complete *The Robert C. Martin Clean Code Collection (Collection) Facts and Fallacies of Software Engineering* Situational Project Management The Business Analyst / Project Manager *Write Great Code, Volume 3* Extreme Programming Adventures in C#

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Extreme Programming Adventures in C# Jun 24 2019 Apply what you know about extreme programming and object-oriented design to learning C# and the Microsoft® .NET Framework on the fly. Written by a leader in extreme programming, this book covers both high-level concepts and practical coding applications.

eXtreme Project Management Jan 30 2020 Today's new breed, eXtreme projects are different. They feature high speed, high change, high complexity, high risk, and high stress. While traditional projects follow the classic model of ready, aim, fire, eXtreme project managers succeed by shooting the gun and then redirecting the bullet while not loosing sight of their moving target. eXtreme Project Management provides a practical guide for leaders working under high risk and high pressure while producing the desired bottom-line results. Based on Doug DeCarlo's extensive experience in working with more than 250 project teams, his eXtreme project management model is built around an integrated set of principles, values, skills, tools, and practices proven to consistently work under conditions of rapid change and uncertainty. eXtreme project management is based on the premise that you don't manage the unknown the same way you manage the known. It's a people-centric approach to high performance that makes quality of life a fundamental part of the project venture.

The Project Manager's Guide to Mastering Agile May 28 2022 Streamline project workflow with expert agile implementation The Project Management Profession is beginning to go through rapid and profound transformation due to the widespread adoption of agile methodologies. Those changes are likely to dramatically change the role of project managers in many environments as we have known them and raise the bar for the entire project management profession; however, we are in the early stages of that transformation and there is a lot of confusion about the impact it has on project managers: There are many stereotypes and misconceptions that exist about both Agile and traditional plan-driven project management, Agile and traditional project management principles and practices are treated as separate and independent domains of knowledge with little or no integration between the two and sometimes seen as in conflict with each other Agile and "Waterfall" are thought of as two binary, mutually-exclusive choices and companies sometimes try to force-fit their business and projects to one of those extremes when the right solution is to fit the approach to the project It's no wonder that many Project Managers might be confused by all of this! This book will help project managers unravel a lot of the confusion that exists; develop a totally new perspective to see Agile and traditional plan-driven project management principles and practices in a new light as complementary to each other rather than competitive; and learn to develop an adaptive approach to blend those principles and practices together in the right proportions to fit any situation. There are many books on Agile and many books on traditional project management but what's very unique about this book is that it takes an objective approach to help you understand the strengths and weaknesses of both of those areas to see how they can work synergistically to improve project outcomes in any project. The book includes discussion topics, real world case studies, and sample enterprise-level agile frameworks that facilitate hands-on learning as well as an in-depth discussion of the principles behind both Agile and traditional plan-driven project management practices to provide a more thorough level of understanding.

Situational Project Management Sep 27 2019 Most project managers would agree that every project is unique. But not all project managers would agree that the best way to manage a unique project is unique. Many still cling to the old practice of having a methodology that is applied to all projects. "One size fits all" is still in common use, and this approach has proven to lead to project failure. Flexibility, situational intelligence, and creativity are essential to deliver project success. The need to recognize and master ever-changing requirements and environmental conditions is a tough challenge for professional project managers. The same practices that led to success yesterday may cause failure today. Selecting favorable responses to a given situation is often the most critical factor of the dynamics of success and failure. This book is designed to help project professionals assess a situation, predict the appropriate approach, methodology and achieving styles, and then apply them in a situational fashion. To guide project managers in selecting the appropriate responses, Situational Project Management (SitPM) shows how to assess a given project, determine its unique characteristics, and select the appropriate methods to complete the project. With this book, projects managers can use SitPM to develop profiles of their projects on the basis of the projects' physical characteristics, the project teams' behavioral characteristics, the enterprise environment, and the market environments receiving project deliverables. These profiles help project managers to determine the appropriate project life cycle approach and leadership style. The book also explores various ways to engage stakeholders on the basis of a project's SitPM profile. The book's author, Oliver F. Lehmann, has developed a set of templates to apply SitPM in practice. It can be downloaded from www.oliverlehmann.com/SitPM/Templates.zip.

Write Great Code, Volume 3 Jul 26 2019 Engineering Software, the third volume in the landmark Write Great Code series by Randall Hyde, helps you create readable and maintainable code that will generate awe from fellow programmers. The field of software engineering may value team productivity over individual growth, but legendary computer scientist Randall Hyde wants to make promising programmers into masters of their craft. To that end, Engineering Software--the latest volume in Hyde's highly regarded Write Great Code series--offers his signature in-depth coverage of everything from development methodologies and strategic productivity to object-oriented design requirements and system documentation. You'll learn: • Why following the software craftsmanship model can lead you to do your best work • How to utilize traceability to enforce consistency within your documentation • The steps for creating your own UML requirements with use-case analysis • How to leverage the IEEE documentation standards to create better software This advanced apprenticeship in the skills, attitudes, and ethics of quality software development reveals the right way to apply engineering principles to programming. Hyde will teach you the rules, and show you when to break them. Along the way, he offers illuminating insights into best practices while empowering you to invent new ones. Brimming with resources and packed with examples, Engineering Software is your go-to guide for writing code that will set you apart from your peers.

Effective Project Management Aug 31 2022 With 200 pages of new content, the fifth edition of this popular guide gives new or veteran project managers a comprehensive overview of all of the best-of-breed project management approaches and tools today, including Traditional (Linear and Incremental), Agile (Iterative and Adaptive), and Extreme. Step-by-step instruction and practical case studies show you how to use these tools effectively to achieve better outcomes of projects at hand. Plus, the book provides full coverage on managing continuous process improvement, procurement management, managing distressed projects, and managing multiple team projects. The companion Web site includes exercises and solutions that accompany the project management instruction in the book.

Agile Software Development Ecosystems Oct 09 2020 Traditional software development methods struggle to keep pace with the accelerated pace and rapid change of Internet-era development. Several "agile methodologies" have been developed in response -- and these approaches to software development are showing exceptional promise. In this book, Jim Highsmith covers them all -- showing what they have in common, where they differ, and how to choose and customize the best agile approach for your needs.KEY TOPICS:Highsmith begins by introducing the values

and principles shared by virtually all agile software development methods. He presents detailed case studies from organizations that have used them, as well as interviews with each method's principal authors or leading practitioners. Next, he takes a closer look at the key features and techniques associated with each major Agile approach: Extreme Programming (XP), Crystal Methods, Scrum, Dynamic Systems Development Method (DSDM), Lean Development, Adaptive Software Development (ASD), and Feature-Driven Development (FDD). In Part III, Highsmith offers practical advice on customizing the optimal agile discipline for your own organization.MARKET:For all software developers, project managers, and other IT professionals seeking more flexible, effective approaches to developing software.

The Clean Coder Sep 19 2021 Programmers who endure and succeed amidst swirling uncertainty and nonstop pressure share a common attribute: They care deeply about the practice of creating software. They treat it as a craft. They are professionals. In The Clean Coder: A Code of Conduct for Professional Programmers, legendary software expert Robert C. 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 will learn 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 Great software is something to marvel at: powerful, elegant, functional, a pleasure to work with as both a developer and as a user. Great software isn't written by machines. It is written by professionals with an unshakable commitment to craftsmanship. The Clean Coder will help you become one of them-and earn the pride and fulfillment that they alone possess.

Code Complete Dec 31 2019 This practical handbook of software construction is fully updated and revised with leading-edge practices and hundreds of new code samples, illustrating the art and science of constructing software.

Agile Principles, Patterns, and Practices in C# Mar 14 2021 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.

Fit for Developing Software Apr 02 2020 The Fit open source testing framework brings unprecedented agility to the entire development process. Fit for Developing Software shows you how to use Fit to clarify business rules, express them with concrete examples, and organize the examples into test tables that drive testing throughout the software lifecycle. Using a realistic case study, Rick Mugridge and Ward Cunningham--the creator of Fit--introduce each of Fit's underlying concepts and techniques, and explain how you can put Fit to work incrementally, with the lowest possible risk. Highlights include Integrating Fit into your development processes Using Fit to promote effective communication between businesspeople, testers, and developers Expressing business rules that define calculations, decisions, and business processes Connecting Fit tables to the system with "fixtures" that check whether tests are actually satisfied Constructing tests for code evolution, restructuring, and other changes to legacy systems Managing the quality and evolution of tests A companion Web site (http://fit.c2.com/) that offers additional resources and source code

The Robert C. Martin Clean Code Collection (Collection) Jul 18 2021 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

Managing Complex Projects and Programs Mar 26 2022 "Manage projects and programs with an innovative new framework that rethinks complex endeavorsDespite being a major process in PMI's body of knowledge and having its own standard document and certificate designation based on successful experience and passing of an exam, program and project management remains one of the most difficult concepts to master successfully in today's increasingly complex and ever-evolving global business environment. Third Generation Programmatics walks readers through where program management began, through current cutting-edge concepts, such as agile and extreme project management, and, finally, to a new set of guidelines that will allow the successful integration of programs and projects into the strategic direction of an organization.Presented through insightful vignettes and real-world case studies, the information provided in Third Generation Programmatics is essential reading not only for program and project managers in the trenches, but also for managers and executives who need to ensure the true integration of these processes into their overall business strategy. Focuses on aligning projects and programs within the complex environments of today's business models Presents a framework for best practices based on successes and failures in real-world cases Progresses from original project management frameworks through current initiatives Builds a new map for successful project and program management If you're a program or project manager, a general business manager, or a candidate for the PgMP exam, Third Generation Programmatics offers the latest, most inventive framework for ensuring the success of your organization's strategic goals"--

Good Small Business Guide 2012 Nov 21 2021 Fully updated for this 6th annual edition, the Good Small Business Guide 2012 is packed with essential advice for small business owners or budding entrepreneurs. Offering help on all aspects of starting, running and growing a small business, including: planning, setting up or acquiring a business, getting to grips with figures, marketing, selling online, and managing yourself and others. Containing over 140 easy-to-read articles, brand-new Viewpoints from people who've been there and done it (and lived to tell the tale), and an extensive information directory this fully updated guide offers help on all aspects of starting and growing a small business.

Effective Complex Project Management Dec 11 2020 "Robert Wysocki does it again, and again. He has evolved from a project management expert and guru to the preeminent thought leader on managing complexity in the 21st century! Wysocki's approach is to use an adaptive framework and decision-making tool which includes a robust project management methodology that seamlessly integrates change, and can be applied to all types of projects across industries. This adaptive complex project framework is aligned with the most contemporary principles of innovation, agility, and lean approaches to change, and represents the most advanced thinking in applied complex project management to date." —Kathleen Hass, Project Management and Business Analysis Practice Leader, Consultant, and PMI award-winning author of Managing Complex Projects: A New Model With technology continuing to invade the business world and the convergence of complexity, uncertainty, and constant change, a whole new class of projects has emerged for which traditional project management models such as Waterfall are totally insufficient. These are called complex projects. Extreme Project Management models and a variety of Agile Project Management models such as Scrum, Rational Unified Process, Feature-Driven Development, and Dynamic Systems Development Method have emerged, but project failure rates have not been measurably reduced. Effective Complex Project Management offers a proven solution to managing any project that must succeed in the face of organizational complexity and market uncertainty, in the form of an adaptive complex project framework. Developed, refined, and validated through 20+ years of client experiences and feedback from project management thought leaders, this framework and robust methodology has

demonstrated a favorable impact on project and program management success rates. Dr. Wysocki demonstrates that for program and project managers to be consistently successful in managing complex projects, they need to include in their project management portfolio of processes an adaptive framework that continuously analyzes and adapts to changing and modifying conditions even to the point of changing project management models mid-project. The author's adaptive complex project framework is currently the only robust tool to offer an orderly approach to do just that. When applied and managed correctly, this intuitive framework that proceeds from ideation to set-up to execution has proven to deliver on the purpose of programs and projects without fail, in the form of desired business value.

Perspectives in Project Management Apr 14 2021 All the contributions to this volume are condensed versions of research projects undertaken by students in the final year of the online Master of Project Management degree delivered by the University of South Australia in conjunction with Open Universities Australia. Contributors to this book consist primarily of graduated Masters' students, supported by supervising academics and relevant industry specialists and practitioners. As a result, the authors present current research interests across the breadth of Australia – with many of the perspectives demonstrating relevance to practice globally. The research perspectives presented here focus on four key themes of project management theory and practice: people and organisations; methodologies and practice domains; issues in application; and continuous improvement and benchmarking. Collectively, this work will be of particular interest to project management academics and researchers, post-graduate students, and the broader project management community.

Project Management ToolBox Feb 10 2021 Boost your performance with improved project management tactics Project Management ToolBox: Tools and Techniques for the Practicing Project Manager, Second Edition offers a succinct explanation of when, where, and how to use project management resources to enhance your work. With updated content that reflects key advances in the project management field, including planning, implementation, control, cost, and scheduling, this revised text offers added material that covers relevant topics, such as agility, change management, governance, reporting, and risk management. This comprehensive resource provides a contemporary set of tools, explaining each tool's purpose and intention, development, customization and variations, and benefits and disadvantages. Additionally, examples, tips, and milestone checks guide you through the application of these tools, helping you practically apply the information you learn. Effective project management can support a company in increasing market share, improving the quality of products, and enhancing customer service. With so many aspects of project management changing as the business world continues to evolve, it is critical that you stay up to date on the latest topics in this field. Explore emerging topics within the world of project management, keeping up to date on the latest, most relevant subject areas Leverage templates, exercises, and PowerPoint presentations to enhance your project management skills Discuss tips, reporting, implementation, documentation, and other essentials of the project management field Consider how project management fits into various industries, including technology, construction, healthcare, and product development Project Management ToolBox: Tools and Techniques for the Practicing Project Manager, Second Edition is an essential resource for experienced project managers and project management students alike.

Facts and Fallacies of Software Engineering Oct 28 2019 Regarding the controversial and thought-provoking assessments in this handbook, many software professionals might disagree with the authors, but all will embrace the debate. Glass identifies many of the key problems hampering success in this field. Each fact is supported by insightful discussion and detailed references.

Transforming Acquisitions and Collection Services May 04 2020 This book explores ways in which libraries can reach new levels of service, quality, and efficiency while minimizing cost by collaborating in acquisitions. In consortial acquisitions, a number of libraries work together, usually in an existing library consortia, to leverage size to support acquisitions in each individual library. In cross-functional acquisitions, acquisitions collaborates to support other library functions. For the library acquisitions manager, technical services manager, or the library director, awareness of different options for effective consortial and cross-functional acquisitions allows for the optimization of staff and resources to reach goals. This work presents those options in the form of case studies as well as useful analysis of the benefits and challenges of each. By supporting each other's acquisitions services in a consortium, libraries leverage size to get better prices, and share systems and expertise to maximize resources while minimizing costs. Within libraries, the acquisitions function can be combined with other library functions in a unit with more than one purpose, or acquisitions can develop a close working relationship with another unit to support their work. This book surveys practice at different libraries and at different library consortia, and presents a detailed description and analysis of a variety of practices for how acquisitions units support each other within a consortium, and how they work with other library units, specifically collection management, cataloging, interlibrary loan, and the digital repository, in the form of case studies. A final section of the book covers fundamentals of collaboration.

McGraw-Hill Education ACP Agile Certified Practitioner Exam May 16 2021 We want to help you succeed on the Agile Certified Practitioner Exam McGraw-Hill Education: Agile Certified Practitioner Exam helps you prepare for this important test and earn the certification that will advance your career. Written by a project manager and trainer, this book provides you with the intensive review and practice that will help you achieve the results you want. Covering all essential processes, this book shows you how agile management theory works in practice. Inside you will find hundreds of practice questions, two complete practice exams, and experience-based tips to maximize your score. You'll be able to sharpen your skills and boost your confidence--and do your very best on test day. Features: A diagnostic test Two complete sample ACP exams 200 additional test-like practice questions Practical examples that show agile management processes in the everyday workplace

Results Without Authority Jun 16 2021 For project managers looking to establish credibility and drive winning results, author Tom Kendrick's groundbreaking system provides the key to leading cross-functional, outsourced, and other types of teams through every stage of the project cycle. Results without Authority is the definitive book on control--teaching the three principal levels of control, including project process, influence, and metrics, among other important areas. Readers learn the surefire way to keep projects moving forward: by relying only on these factors. The book's completely updated second edition includes new information on agile methods and evolving project management tools, strategies for working with virtual teams, analytical versus "blink" decision processes, the use (and misuse) of social media in project environments, and the myth of multitasking. For project leaders lacking clear-cut authority, getting everyone on board--and keeping them there--can be a challenge. Whether you're managing small, team-level projects or major organizational initiatives, Results without Authority is the must-have guide to getting the best outcomes for your company.

Effective Project Management Oct 01 2022 The popular guide to the project management body of knowledge, now fully updated Now in its seventh edition, this comprehensive guide to project management has long been considered the standard for both professionals and academics. With more than 32,000 copies sold in the last three editions, it has now been fully updated to cover the new PMBOK® Guide. Well-known expert Robert Wysocki has added more than 100 pages of new content based on instructor feedback, enhancing the coverage of best-of-breed methods and tools for ensuring project management success. With enriched case studies, accompanying exercises and solutions on the companion website, and PowerPoint slides for all figures and tables, the book is ideal for instructors and students as well as active project managers. Serves as a comprehensive guide to project management for both educators and project management professionals Completely updated to cover the new PMBOK® Guide Examines traditional, agile, and extreme project management techniques; the Enterprise Project Management Model; and Kanban and Scrumban methodologies Includes a companion website with exercises and solutions and well as PowerPoint slides for all the figures and tables used Written by well-known project management expert Robert Wysocki Effective Project Management, Seventh Edition remains the comprehensive resource for project management practitioners, instructors, and students. (PMBOK is a registered mark of the Project Management Institute, Inc.)

Agile 2 Aug 19 2021 Agile is broken. Most Agile transformations struggle. According to an Allied Market Research study, "63% of respondents stated the failure of agile implementation in their organizations." The problems with Agile start at the top of most organizations with executive leadership not getting what agile is or even knowing the difference between success and failure in agile. Agile transformation is a journey, and most of that journey consists of people learning and trying new approaches in their own work. An agile organization can make use of coaches and training to improve their chances of success. But even then, failure remains because many Agile ideas are oversimplifications or interpreted in an extreme way, and many elements essential for success are missing. Coupled with other ideas that have been dogmatically forced on teams, such as "agile team rooms", and "an overall inertia and resistance to change in the Agile community," the Agile movement is ripe for change since its birth twenty years ago. "Agile 2" represents the work of fifteen experienced Agile experts, distilled into Agile 2: The Next Iteration of Agile by seven members of the team. Agile 2 values these pairs of attributes when properly balanced: thoughtfulness and prescription; outcomes and outputs, individuals and teams; business and technical understanding; individual empowerment and good leadership; adaptability and planning. With a new set of Agile principles to take Agile forward over the next 20 years, Agile 2 is applicable beyond software and hardware to all parts of an agile organization including "Agile HR", "Agile Finance", and so on. Like the original "Agile", "Agile 2", is just a set of ideas – powerful ideas. To undertake any endeavor, a single set of ideas is not enough. But a single set of ideas can be a powerful guide.

Effective Project Management Nov 02 2022 The popular guide to the project management body of knowledge, now fully updated Now in its eighth edition, this comprehensive guide to project management has long been considered the standard for both professionals and academics, with nearly 40,000 copies sold in the last three editions! Well-known expert Robert Wysocki has added four chapters of new content based on instructor feedback, enhancing the coverage of best-of-breed methods and tools for ensuring project management success. With enriched case studies, accompanying exercises and solutions on the companion website, and PowerPoint slides for all figures and tables, the book is ideal

for instructors and students as well as active project managers. Serves as a comprehensive guide to project management for both educators and project management professionals Updated to cover the new PMBOK® Sixth Edition Examines traditional, agile, and extreme project management techniques; the Enterprise Project Management Model; and Kanban and Scrumban methodologies Includes a companion website with exercises and solutions and well as PowerPoint slides for all the figures and tables used Written by well-known project management expert Robert Wysocki Effective Project Management, Eighth Edition remains the comprehensive resource for project management practitioners, instructors, and students. (PMBOK is a registered mark of the Project Management Institute, Inc.)

Agile Software Development Jun 28 2022 Section 1 Agile development Section 2 Agile design Section 3 The payroll case study Section 4 Packaging the payroll system Section 5 The weather station case study Section 6 The ETS case study

Managing Agile Projects Dec 23 2021 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 teams"Forming 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 persons"Implementing 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.

Effective Software Project Management Mar 02 2020 Why another book on software project management? For some time, the fields of project management, computer science, and software development have been growing rapidly and concurrently. Effective support for the enterprise demands the merging of these efforts into a coordinated discipline, one that incorporates best practices from both systems development and project management life cycles. Robert K. Wysocki creates that discipline in this book--a ready reference for professionals and consultants as well as a textbook for students of computer information systems and project management. By their very nature, software projects defy a "one size fits all" approach. In these pages you will learn to apply best-practice principles while maintaining the flexibility that's essential for successful software development. Learn how to make the planning process fit the need * Understand how and why software development must be planned on a certainty-to-uncertainty continuum * Categorize your projects on a four-quadrant model * Learn when to use each of the five SDPM strategies--Linear, Incremental, Iterative, Adaptive, and Extreme * Explore the benefits of each strategic model and what types of projects it supports best * Recognize the activities that go into the Scoping, Planning, Launching, Monitoring/Controlling, and Closing phases of each strategy * Apply this knowledge to the specific projects you manage * Get a clear picture of where you are and how to get where you want to go

Clean Code Jul 30 2022 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.

Clean Architecture Jun 04 2020 Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C. Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's Clean Architecture doesn't merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you'll face-the ones that will make or break your projects. Learn what software architects need to achieve-and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail" Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager-and for every programmer who must execute someone else's designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

The Robert C. Martin Clean Code Collection (Collection) Nov 29 2019 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

Extreme Programming and Agile Methods - XP/Agile Universe 2004 Feb 22 2022 It was 1999 when Extreme Programming Explained was ?rst published, making this year's event arguably the ?fth anniversary of the birth of the XP/Agile movement in software development. Our fourth conference re?ected the evolution and the learning that have occurred in these exciting ?ve years as agile practices have become part of the mainstream in software development. These pages are the proceedingsof XP Agile Universe 2004, held in beautiful Calgary, gateway to the Canadian Rockies, in Alberta, Canada. Evidentintheconferenceis thefactthatourlearningis still inits earlystages. While at times overlooked,adaptation has beena core principleof agile software development since the earliest literature on the subject. The conference and these proceedings re- force that principle. Although some organizations are able to practice agile methods in the near-pure form, most are not, re?ecting just how radically innovativethese methods areto thisday. Anyinnovationmustcoexistwithan existingenvironmentandagileso- ware development is no different. There are numerous challenges confronting IT and software development organizations today, with many solutions pitched by a cadre of advocates. Be it CMM, offshoring, outsourcing, security, or one of many other current topics in the industry, teams using or transitioning to Extreme Programming and other agile practices must integrate with the rest of the organization in order to succeed. The papers here offer some of the latest experiences that teams are having in those efforts. XP Agile Universe 2004consisted of

workshops,tutorials, papers, panels, the Open Space session, the Educators' Symposium, keynotes, educational games and industry presentations.

IT Project Health Checks Oct 21 2021 Project or program health checks provide tremendous value to businesses and pay for themselves by multiples of magnitude. No matter how well a project or program is performing, there are always activities that can provide better value, reduce costs, or introduce more innovation. IT project and program health checks can help organizations reach their goals and dramatically improve Return on Investment (ROI). IT Project Health Checks: Driving Successful Implementation and Multiples of Business Value offers a proven approach for evaluating IT projects or programs in order to determine how they are performing and how the eventual outcome for the initiative is currently trending. The project or program health checks provide a set of techniques that produce actionable recommendations that can be applied for any combination of the following outcomes: Drive more business and technical value from a program Set a project or program back on track for successful implementation as defined by executive management Rescue a program that is heading towards failure Act as additional insurance for initiatives that are too important to fail Protect executive careers by creating transparency within the inner workings of complex initiatives. The book shows how a review can quickly identify whether an initiative needs to be rescued even when the project team is not aware that it is hurtling towards failure. It also provides techniques for driving business value even when a project team believes it's been stretched as much as possible. Other outcomes covered in this book include: Objectively develop a project Health-Check Scorecard that establishes how well a project is doing and the direction it is headed Demonstrate how to drive business value from an IT program regardless of how well or badly it is tracking Provide surgical advice to improve a project's outcome How to use the many templates and sample deliverables to get a quick start on your own health check. Designed to provide significant value to any member of a project team, program team, stakeholders, sponsors, business users, system integrators, trainers, and IT professionals, this book can help find opportunities to drive multiples of business value and exceed project success metrics.

The Business Analyst / Project Manager Aug 26 2019 A breakthrough game plan illustrating the need for better collaboration between Project Managers and Business Analysts In The Business Analyst/Project Manager, author Robert Wysocki draws on his forty-five years of professional experience as a PM/BA to shed light on the similarities and differences of the roles and responsibilities of these two positions, the need for greater collaboration, and how to staff a project with one or both of these professionals. Examines the boundaries and interactions between the BA and the PM Looks at how to identify the skill sets needed to make the project a success The typical relationship of the BA and PM across the project management life cycle Making the best configuration of leadership assignments based on project characteristics Where the responsibilities of the BA leave off and the PM's begins and where the two have collaborative responsibilities How to use a PM/BA to enhance project performance How to foster a "dual career path" for PM/BAs development The in-depth discussion of the synergies between the two roles and the advantages of a combined PM/BA makes The Business Analyst/Project Manager a valuable contribution in your ability to be successful on the complex projects of the 21st century.

Managing Operations in Manufacturing, Services and e-Business - 2nd Edition Jan 12 2021

Agile Software Construction Nov 09 2020 Introduces the core concepts, evaluates how successful they can be, as well as what problems may be encountered Dispels numerous myths surrounding agile development

Ace the PMI-ACP® exam Jan 24 2022 Prepare for the Project Management Institute's (PMI®) Agile Certified Practitioner (ACP®) exam. Augment your professional experience with the necessary knowledge of the skills, tools, and techniques that are required for passing the examination. This is a comprehensive and one-stop guide with 100% coverage of the exam topics detailed in the PMI-ACP® Exam content outline. Rehearse and test your knowledge and understanding of the subject using the practice quizzes after each chapter, three full-length mock exams, and practical tips and advice. You will be able to understand the Agile manifesto, its principles and many facets of Agile project management such as planning, prioritization, estimation, releases, retrospectives, risk management, and continuous improvement. The book covers Agile metrics and means of demonstrating progress. People management aspects such as behavioral traits, servant leadership, negotiation, conflict management, team building, and Agile coaching are explained. Whether you are a beginner or a seasoned practitioner, this book also serves as a practical reference for key concepts in Agile and Agile methodologies such as Scrum, XP, Lean, and Kanban. What you will learn: •The necessary knowledge of the skills, tools, and techniques that are required for passing the PMI-ACP examination•To understand the scope and objectives of the PMI-ACP exam, and gain confidence by taking practice quizzes provided in each chapter and three full-length mock exams•To gain exposure to Agile methodologies such as Scrum, XP, Lean, and Kanban plus various tools and techniques required to conduct Agile projects•The focus is to "Be Agile", rather than "Do Agile" Who this book is for: The audience for this book primarily includes IT professionals who wish to prepare for and pass the Agile Certified Professional (ACP) exam from the Project Management Institute (PMI). The book also is a practical reference book for Agile Practioners. /div

The British National Bibliography Jul 06 2020

Making Sense of Agile Project Management Apr 26 2022 Making Sense of Agile Project Management Business & Economics/Project Management The essential primer to successfully implementing agile project management into an overall business strategy For a project to be truly successful, its management strategy must be flexible enough to adapt to dynamic and rapidly evolving business needs. Making Sense of Agile Project Management helps project managers think outside the box by presenting a deep exploration of agile principles, methodologies, and practices. Straying from traditional bureaucratic procedures that are rigidly defined, this book espouses a heavy reliance on the training and skill of collaborative, cross-functional teams to adapt the methodology to the problem that they are attempting to solve—rather than force-fitting a project to a particular methodology. Making Sense of Agile Project Management: Focuses on how agile project management fits with other more traditional project management models to provide a more effective strategy Includes many cases taken from real-world companies illustrating good and bad agile implementation Provides coverage that is balanced and objective with discussion of both agile and non-agile methodologies Making Sense of Agile Project Management employs a straightforward approach that enables project managers to grasp concepts quickly and develop adaptable management tools for creating a vibrant and fluid business environment. By utilizing the principles laid out in this book, business managers and leaders will strengthen their ability to meet the risks and complexities of any individual project—and better understand how to blend the appropriate balance of control and agility into an overall business strategy.

Cranked Sep 07 2020 Cranked helps teams and organisations to effectively deliver software in a changeable or uncertain environment. This book will teach you all about the values, activities and practices that you need to know to delight your customers with your software product. With the techniques in this book you can: - Improve product quality - Release faster and with less errors - Focus on value - Deliver more features - Increase motivation and job satisfaction - Make your customers and end-users happy If you are already working in an agile or lean team, Cranked could accelerate you to the next level. If you are switching to agile or lean - Cranked will help you to avoid common problems in failed agile adoptions. Cranked can be used in any size of organisation to solve complex software development problems.

Software Process Dynamics and Agility Aug 07 2020 This book constitutes the refereed proceedings of the First International Conference on Software Process, held in Minneapolis, MN, USA, in May 2007. The 28 revised full papers presented together with the abstracts of two keynote addresses cover process content, process tools and metrics, process management, process representation, analysis and modeling, experience report, and simulation modeling.