

Agile Project Management Creating Innovative Products Agile Software Development

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.

Flex your project management muscle Agile project management is a fast and flexible approach to managing all projects, not just software development. By learning the principles and techniques in this book, you'll be able to create a product roadmap, schedule projects, and prepare for product launches with the ease of Agile software developers. You'll discover how to manage scope, time, and cost, as well as team dynamics, quality, and risk of every project. As mobile and web technologies continue to evolve rapidly, there is added pressure to develop and implement software projects in weeks instead of months—and Agile Project Management For Dummies can help you do just that. Providing a simple, step-by-step guide to Agile project management approaches, tools, and techniques, it shows product and project managers how to complete and implement projects more quickly than ever. Complete projects in weeks instead of months Reduce risk and leverage core benefits for projects Turn Agile theory into practice for all industries Effectively create an Agile environment Get ready to grasp and apply Agile principles for faster, more accurate development. Best practices for managing projects in agile environments—now updated with new techniques for larger projects Today, the pace of project management moves faster. Project management needs to become more flexible and far more responsive to customers. Using Agile Project Management (APM), project managers can achieve all these goals without compromising value, quality, or business discipline. In Agile Project Management, Second Edition, renowned agile pioneer Jim Highsmith thoroughly updates his classic guide to APM,

extending and refining it to support even the largest projects and organizations. Writing for project leaders, managers, and executives at all levels, Highsmith integrates the best project management, product management, and software development practices into an overall framework designed to support unprecedented speed and mobility. The many topics added in this new edition include incorporating agile values, scaling agile projects, release planning, portfolio governance, and enhancing organizational agility. Project and business leaders will especially appreciate Highsmith's new coverage of promoting agility through performance measurements based on value, quality, and constraints. This edition's coverage includes: Understanding the agile revolution's impact on product development Recognizing when agile methods will work in project management, and when they won't Setting realistic business objectives for Agile Project Management Promoting agile values and principles across the organization Utilizing a proven Agile Enterprise Framework that encompasses governance, project and iteration management, and technical practices Optimizing all five stages of the agile project: Envision, Speculate, Explore, Adapt, and Close Organizational and product-related processes for scaling agile to the largest projects and teams Agile project governance solutions for executives and management The "Agile Triangle": measuring performance in ways that encourage agility instead of discouraging it The changing role of the agile project leader

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"The P-51 Mustang—perhaps the finest piston engine fighter ever built—was designed and put into flight in just a few months. Specifications were finalized on March 15, 1940; the airfoil prototype was complete on September 9; and the aircraft made its maiden flight on October 26. Now that is a lean development process!" —Allen Ward and Durward Sobek, commenting on the development of the P-51 Mustang and its exemplary use of trade-off curves. Shingo Research and Professional Publication Award recipient, 2008 Despite attempts to interpret

and apply lean product development techniques, companies still struggle with design quality problems, long lead times, and high development costs. To be successful, lean product development must go beyond techniques, technologies, conventional concurrent engineering methods, standardized engineering work, and heavyweight project managers. Allen Ward showed the way. In a truly groundbreaking first edition of *Lean Product and Process Development*, Ward delivered -- with passion and penetrating insights that cannot be found elsewhere -- a comprehensive view of lean principles for developing and sustaining product and process development. In the second edition, Durward Sobek, professor of Mechanical and Industrial Engineering at Montana State University—and one of Ward's premier students—edits and reorganizes the original text to make it more accessible and actionable. This new edition builds on the first one by: Adding five in-depth and inspiring case studies. Including insightful new examples and illustrations. Updating concepts and tools based on recent developments in product development. Expanding the discussion around the critical concept of set-based concurrent engineering. Adding a more detailed table of contents and an index to make the book more accessible and user-friendly. *The True Purpose of Product Development* Ward's core thesis is that the very aim of the product development process is to create profitable operational value streams, and that the key to doing so predictably, efficiently, and effectively is to create useable knowledge. Creating useable knowledge requires learning, so Ward also creates a basic learning model for development. But Ward not only describes the technical tools needed to make lean product and process development actually work. He also delineates the management system, management behaviors, and mental models needed. In this breakthrough text, Ward: Asks fundamental questions about the purpose and "value added" in product development so you gain a crystal clear understanding of essential issues. Shows you how to find the most common forms of "knowledge waste" that plagues product development. Identifies four "cornerstones" of lean product development gleaned from the practices of successful companies like Toyota and its partners, and explains how they differ from conventional practices. Gives you specific, practical recommendations for establishing your own lean development processes. Melds observations of effective teamwork from his military background, engineering fundamentals from his education and personal experience, design methodology from his research, and theories about management and learning from his study of history and experiences with customers. Changes your thinking forever about product development.

There are four broad topics covered in *Agile Project Management*: opportunity, principles, framework and practices. The opportunity lies in creating innovative products and services—things that are new, different, and creative. These are products that can't be defined completely in the beginning but evolve over time through experimentation, exploration, and adaptation. The book discusses the Agile Revolution; describe the value and principles that actuate APM; cover the

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APM process framework and individual practices; examine how agile principles are used and underscores; and how APM helps address the changing nature of new product development.

According to the U.S. Bureau of Labor Statistics (BLS) approximately 20% of new businesses fail during the first two years of being open, 45% during the first five years, and 65% during the first 10 years! Agile methodology greatly helps companies to build products in iterations, get timely feedback, achieve speed to market, capture market share early, fail fast, adapt to changes quickly and more efficiently as they grow and aim to succeed. There are various types of agile methodologies in practice - Scrum, Kanban, FDD, and others. The Scrum is one of the most popular agile methodology in use by companies. While Scrum can be successfully implemented to execute the project, Scrum's implementations can also cause several problems in a complex product type of application where simply executing each sprint as per strict agile Scrum doctrine is not practical. Some of these problems are - compromised architecture, challenges in handling dependencies, demotivated employees due to routine and time pressures, lack of creativity and innovation culture, difficulty closing the story within the sprint, too much tactical product vision instead of strategic, development environment that's like stress chamber etc., In author's experience considerable amount of success can be achieved by taking Scrum as base process and then blending some Kanban and Waterfall methodologies resulting in Hybrid Agile project management process. The primary goal of this book is to outline this Hybrid Agile process for such product development projects where while pure agile concepts like Scrum time-boxing is used, some non-agile concepts are also used to overcome the drawbacks of pure agile implementations. Hybrid Agile is not a defined framework like Scrum or Kanban. The specification for Hybrid Agile given in this book is author's definition and implementation of same by using maximum Scrum and customizing and optimizing with some Kanban, Waterfall etc.

"...a well written and content rich book. From a teacher's perspective, using this book in an advanced project management seminar challenges students to understand the application of these concepts." —Alexander Walton, PMP, IT consultant to the University of California at Berkeley Widely acclaimed as one of the top agile books in its first edition, Project Management the Agile Way has now been updated and redesigned by popular demand. This second edition is in a modular format to facilitate training and advanced course instruction, and provides new coverage of agile, such as hybrid agile methods, the latest public sector practices, and a chapter dedicated to transitioning to agile. It discusses the "grand bargain" between project management and business; the shift in dominance from plans to product and from input to output; and introduces new concepts such as return on benefit. Experienced practitioners and students that want to learn how to make agile work effectively in the enterprise should read this book. Individuals preparing for the PMI Agile Certified Practitioner (PMI-ACP)® examination, and training providers developing courses, will find this

second edition quite helpful.

What is Agile Project Management and will it bring my project in on time and budget? If you need a solid understanding of how Agile Project Management works so your projects can fully benefit from using this innovative and powerful approach, this book is essential reading.

Brilliant Agile Project Management does more than just talk you through the techniques and processes - focussing on real-life use of Agile in business environments, it provides practical advice and techniques on how to implement and work with Agile, so you always know exactly what to do and say to make your project a success. · Assess whether your organisation or project is right for using APM · Understand how to implement APM into any project · Overcome common problems with APM Get up to speed with Agile Project Management and get ahead – fast!

Shows you what it takes to develop products that blow your users away—and take market share from your competitors. This book will explain how the principles behind agile product development help designers, developers, architects, and product managers create awesome products; and how to look beyond a shiny user interface to build a great product. Most importantly, this book will give you a shared framework for your product development team to collaborate effectively. Product development involves several key activities—including ideation, discovery, design, development, and delivery—and yet too many companies and innovators focus on just a few of them much to the detriment of the product's success in the marketplace. As a result we still continue to see high failure rates in new product development, be it inside organizations or startups. Unfortunately, or rather fortunately, these failures are largely avoidable. In the last fifteen years, advances in agile software development, lean product development, human-centered design, design thinking, lean startups and product delivery have helped improve individual aspects of product development. However, not enough guidance has been available to integrate them in the context of the product development life cycle. Until now. Product developer extraordinaire Tathagat Varma in Agile Product Development integrates individual knowledge areas into a field manual for product developers. Organized in the way an idea germinates, sprouts, and grows, the book synthesizes the body of knowledge in a pragmatic way that is more natural to the entire product creation process rather than from individual practices that constitute it. In today's hyper-innovative world, being first to the market, or delivering feature-loaded products, or even offering the latest technology doesn't guarantee success anymore. Sure, those elements are all needed in the right measures, but they are not sufficient by themselves. And getting it right couldn't be more important: Building products that deliver awesome user experiences is the top challenge facing businesses today, especially in a post-Apple world where user experience and design has been elevated to a cult status.

The ultimate study package for the new PMI-ACP exam The PMI-ACP Project Management Institute Agile Certified Practitioner Exam Study Guide is an all-in-one package for comprehensive exam preparation. This up-to-date guide is fully aligned with the latest version of the exam, featuring coverage of 100 percent of the exam domains. Expanded coverage of AGILE includes the basic principles, value-driven delivery, stakeholder engagement, team performance, adaptive planning, problem detection and resolution, and continuous improvement to align with the A Guide to the Project Management Body of Knowledge (PMBOK® 6th Edition) and its increased emphasis on agile, adaptive and iterative practices. In-depth discussion merges with hands-on exercises and real-world scenarios to provide a well-rounded review of essential exam concepts, while the online learning center provides an assessment test, chapter tests, a practice exam, and study aids to help you ensure complete preparation for the big day. Master 100 percent of the exam objectives, including expanded AGILE coverage Reinforce critical concepts with hands-on practice and real-world scenarios Test your knowledge with challenging chapter review questions One year of FREE access to

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the Sybex online test bank featuring practice tests, flashcards, a glossary, and more Project management is one of the most in-demand skills in today's job market, making more and more employers turn to AGILE methodologies to enhance delivery and results. The PMI-ACP certification shows employers that you have demonstrated mastery of essential project management skills and a practical understanding of adaptive, iterative processes; this validation puts you among the ranks of qualified project management professionals employers are desperately seeking, and the PMI-ACP Project Management Institute Agile Certified Practitioner Exam Study Guide is your one-stop resource for exam success.

Find your company's unique innovation style, and nurture it into a powerful competitive advantage Praised by business leaders worldwide, Agile Innovation is the authoritative guide to survival and success in today's "innovate-or-die" business world. This revolutionary approach combines the best of Agile with the world's leading methods of Innovation to present a crisp, articulate, and proven system for developing the breakthrough capabilities every organization must master to thrive today and tomorrow. You already know that effective innovation doesn't happen by accident—it is achieved by careful design. Agile Innovation addresses the three critical drivers of innovation success: accelerating the innovation process; reducing the risks inherent in innovation; and engaging your entire organization and your broader ecosystem in the innovation effort. The key frameworks described here build on the proven success of Agile to provide a comprehensive and customizable Innovation Master Plan approach to sustained innovation improvement in the five critical performance areas: strategy, portfolio, process, culture and infrastructure. Major topics include: the power of Agile in the innovation process, how to overcome innovation risk, the best tools to evoke engagement and collaboration, branding as an integral element of innovation, and the best leadership skills and practices that create the special environment that enables transformative growth. Readers will learn specifically how to create better ideas, develop them more efficiently, and work together more profitably and effectively to achieve breakthroughs. The insights offered in this book are highlighted in 11 detailed case studies illustrating the world's best innovation practices at Wells Fargo, Nike, Volvo, Netflix, Southwest Airlines, NASA, The New York Times, and others, in dozens of specific business examples, in two dozen powerful and unique techniques and methods, and a full set of implementation guidelines to put these insights into practice. Key Insights: Understand how to implement the many ways that innovation efforts can be accelerated to achieve even greater competitive advantage Learn to create a culture of innovation, greater engagement, and rich collaboration throughout your organization Discover how to reduce risk and accelerate learning Implement your own unique plan to enhance collaborative innovation, from leadership through operations Integrate key agility principles into your strategic planning decisions for sustained improvement Explore dramatic new approaches to open innovation that optimize large scale innovation Apply the latest and best technology tools to enhance innovation, reduce risk, and promote broad participation. This is a must read book, a practical guide for fostering a culture of innovation, nurturing creativity, and efficiently developing the ideas that drive strategic growth. And since innovation is not imitation, you know that copying the ideas and strategies of other successful organizations will not produce the desired outcomes. Hence, all leaders must develop their own way of innovating and nurture the right style of collaborating for their own organization. This book will guide you to find your own unique pathways to success. Blaze your own trail to the high levels of innovativeness and organizational agility by learning from the expert guidance and practical, actionable advice offered throughout this important book.

The book is intended to provide a much deeper understanding of agile principles, methodologies, and practices to enable project managers to develop a more agile approach and understand how to blend and tailor agile and traditional principles, methodologies, and practices to create an appropriate balance of control and agility to fit a business environment

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as well as the risks and complexities of any individual project. The book will also provide business managers and leaders an understanding of how to fit agile methodologies into an overall business strategy that provides the right balance of control and agility for their business. A deceptively simple process called Scrum, a new approach to systems development projects, is described here. Application development managers will learn how to simplify the implementation of Agile processes with Scrum, how to simplify XP implementation through a Scrum wrapper, how to understand the theoretical underpinnings of Agile processes, and why Agile processes work and how to manage them. Material is of interest to the software development community at large. Schwaber is president of a software development consultancy. Annotation copyrighted by Book News Inc., Portland, OR.

If you want to lead your team or organization to succeed but you don't know how to do it, then keep reading.... Forget about the conventional way of doing things. Today, consumers change their mind in a flip. Therefore, you need to be ready to adjust to such changes rapidly. Keep in mind that your ability to change will contribute a lot to the success of your product. The agile method of project management is a new way of handling projects by promoting rapid change in the project development process. The agile method was introduced after software developers found it difficult to deliver their products in time when using the traditional approach. Using this technique, they delivered applications late, and sometimes, their projects were canceled. This happened because of the delays which affected the delivery of products in time. Following the frustrations faced by software developers, they had to come up with a method which focused more on the product and not the process. They aimed to make sure that a product was in front of the consumers as quickly as possible. The fast delivery of software products was the only way that developers could understand what the customers wanted and make necessary changes. This is what led to Agile Project Management. Sure, the method was introduced to benefit software developers, but it can equally be utilized in any organization. The idea of managing projects occurs in every institution. Therefore, using the agile method can be an effective way to guarantee that a project succeeds. Inside this guide, we have discussed the 12 principles which govern the way a project should be handled. The highest priority of an agile project is to meet customer requirements through rapid and continuous delivery. Also, the change should be acknowledged at all stages of the development process. The agile method also promotes the idea that the project is built around a group of motivated individuals. Therefore, no one needs to be pushed around to meet their daily targets. This guide will focus on the following: Platinum Principles Agile Specific Methodologies The Need for Agile Development in an Organization What is Agile CCPM? Why You May Have Problems Implementing Agile Goal Setting and OKRs Techniques of Agile Software Development Understanding the Agile Lifecycle Scrum Roles Principles for Designing the Teams Planning Your Project How to Track the agile Project? DSDM Atern Challenges of Implementing Agile Risks of Agile Project Management Tips for Successful Scrum ... AND MORE!!! Even if you come from the traditional management style and it's your first approach with agile, this book will really explain you all the details of this smart approach. Even if your team has never had an approach with agile method, this book will explain you how to install the right mindset in your team members. So, what are you waiting for? SCROLL UP THE PAGE AND GRAB YOUR COPY TODAY CLICKING "BUY NOW" button!

This Mini Book will walk you through the fundamentals, principles and key concepts of Agile, Agile Project Management and Agile Delivery. After reading this book you will have a thorough understanding of Agile and how to put Agile into practice at work and in your personal projects. The book includes valuable resources, graphics and examples that will allow you to grasp the key essence of Agile, Agile rituals, Agile practices, Agile concepts and the key differences between Agile and traditional Project Management.

Presents a step-by-step guide to effectively manage the computer software

development process.

To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide – Sixth Edition now contains detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide – Sixth Edition – PMI's flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today's market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

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Working Backwards is an insider's breakdown of Amazon's approach to culture, leadership, and best practices from two long-time Amazon executives. Colin started at Amazon in 1998; Bill joined in 1999. In Working Backwards, these two long-serving Amazon executives reveal and codify the principles and practices that drive the success of one of the most extraordinary companies the world has ever known. With twenty-seven years of Amazon experience between them, much of it in the early aughts—a period of unmatched innovation that brought products and services including Kindle, Amazon Prime, Amazon Studios, and Amazon Web Services to life—Bryar and Carr offer unprecedented access to the Amazon way as it was refined, articulated, and proven to be repeatable, scalable, and adaptable. With keen analysis and practical steps for applying it at your own company—no matter the size—the authors illuminate how Amazon's fourteen leadership principles inform decision-making at all levels and reveal how the company's culture has been defined by four characteristics: customer obsession, long-term thinking, eagerness to invent, and operational excellence. Bryar and Carr explain the set of ground-level practices that ensure these are translated into action and flow through all aspects of the business. Working Backwards is a practical guidebook and a corporate narrative, filled with the authors' in-the-room

recollections of what “Being Amazonian” is like and how it has affected their personal and professional lives. They demonstrate that success on Amazon’s scale is not achieved by the genius of any single leader, but rather through commitment to and execution of a set of well-defined, rigorously-executed principles and practices—shared here for the very first time.

World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine “smart factories” in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

When software development teams move to agile methods, experienced project managers often struggle—doubtful about the new approach and uncertain about their new roles and responsibilities. In this book, two long-time certified Project Management Professionals (PMPs) and Scrum trainers have built a bridge to this dynamic new paradigm. They show experienced project managers how to successfully transition to agile by refocusing on facilitation and collaboration, not “command and control.” The authors begin by explaining how agile works: how it differs from traditional “plan-driven” methodologies, the benefits it promises, and the real-world results it delivers. Next, they systematically map the Project Management Institute’s classic, methodology-independent techniques and terminology to agile practices. They cover both process and project lifecycles and carefully address vital issues ranging from scope and time to cost management and stakeholder communication. Finally, drawing on their own extensive personal experience, they put a human face on your personal transition to agile—covering

the emotional challenges, personal values, and key leadership traits you'll need to succeed. Coverage includes Relating the PMBOKR Guide ideals to agile practices: similarities, overlaps, and differences Understanding the role and value of agile techniques such as iteration/release planning and retrospectives Using agile techniques to systematically and continually reduce risk Implementing quality assurance (QA) where it belongs: in analysis, design, defect prevention, and continuous improvement Learning to trust your teams and listen for their discoveries Procuring, purchasing, and contracting for software in agile, collaborative environments Avoiding the common mistakes software teams make in transitioning to agile Coordinating with project management offices and non-agile teams "Selling" agile within your teams and throughout your organization For every project manager who wants to become more agile. Part I An Agile Overview 7 Chapter 1 What is "Agile"? 9 Chapter 2 Mapping from the PMBOKR Guide to Agile 25 Chapter 3 The Agile Project Lifecycle in Detail 37 Part II The Bridge: Relating PMBOKR Guide Practices to Agile Practices 49 Chapter 4 Integration Management 51 Chapter 5 Scope Management 67 Chapter 6 Time Management 83 Chapter 7 Cost Management 111 Chapter 8 Quality Management 129 Chapter 9 Human Resources Management 143 Chapter 10 Communications Management 159 Chapter 11 Risk Management 177 Chapter 12 Procurement Management 197 Part III Crossing the Bridge to Agile 215 Chapter 13 How Will My Responsibilities Change? 217 Chapter 14 How Will I Work with Other Teams Who Aren't Agile? 233 Chapter 15 How Can a Project Management Office Support Agile? 249 Chapter 16 Selling the Benefits of Agile 265 Chapter 17 Common Mistakes 285 Appendix A Agile Methodologies 295 Appendix B Agile Artifacts 301 Glossary 321 Bibliography 327 Index 333

You think agile techniques might be for you, but your projects and organization are unique. An "out-of-the-box" agile approach won't work. Instead, unite agile and lean principles for your project. See how to design a custom approach, reap the benefits of collaboration, and deliver value. For project managers who want to use agile techniques, managers who want to start, and technical leaders who want to know more and succeed, this book is your first step toward agile project success. You've tried to use an off-the-shelf approach to agile techniques, and it's not working. Instead of a standard method or framework, work from agile and lean principles to design your own agile approach in a way that works for you. Build collaborative, cross-functional teams. See how small batch sizes and frequent delivery create an environment of trust and transparency between the team, management, and customers. Learn about the interpersonal skills that help agile teams work together so well. In addition to seeing work and knowing what "done" means, you'll see examples of many possible team-based measurements. Look at tools you can use for status reporting, and how to use those measurements to help your managers understand what agile techniques buy them. Recognize the traps that prevent agile principles from working in too many organizations, and what to do about those traps. Use agile techniques for

workgroups, and see what managers can do to create and nurture an agile culture. You might be surprised at how few meetings and rituals you need to still work in an agile way. Johanna's signature frankness and humor will get you on the right track to design your agile project to succeed. What You Need: No technical expertise or experience needed, just a desire to know more about how you might use agile in your project.

With over 50% new content, this update of industry classic "Developing Products in Half the Time" reveals how engineers and manufacturing, design, and marketing managers can dramatically accelerate product development projects--from packaged goods to medical electronics--while simultaneously improving quality.

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 value from one creative stage to the next Leveraging 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 environment Becoming an "adaptive leader" who can inspire and energize agile teams Whether you're a technical or business manager, "Managing Agile Projects" gives you all the tools you need to implement agility in "your environment and reap its full benefits. "Managing Agile Projects is part of the Robert C. Martin series. (c) Copyright Pearson Education. All rights reserved.

In a fast-paced environment filled with uncertainty, successfully completing projects on time can feel like running an obstacle course. An emphasis on speed often forces project teams to make decisions without crucial data, leading to frequent changes of direction once more information becomes known. If people aren't light on their feet, complicated projects can easily get tripped up. Agile Project Management gives readers the strategies they need to take charge of urgent projects that involve unique resources and elements of uncertainty. The book offers an improvement upon classical project management processes by tying project processes more directly to the ever-changing requirements of business objective achieving improved flexibility and response time. Filled with examples showing how to implement agile PM into all project situations, the book demonstrates how to develop an appropriate and supportive infrastructure and environment, and reviews the roles of the project manager, general management, and the project team. Agile Project Management is the ultimate method for achieving superior results in an accelerated and changing environment.

This book shows you how agile approaches work with images that illustrate the core components of the agile mindset and agile team behaviors. It covers the Agile Mindset, the four Agile Manifesto Values, and the twelve Agile Principles. It shows each of the six principles

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from the Declaration of Interdependence for Agile Projects and illustrates each of the 62 Servant Leadership Tasks covered in the PMI-ACP exam. Ideal for executives looking for a quick overview of what it means to create and foster an agile mindset. Perfect for Scrum Masters and servant leaders looking for a summary of the desired behaviors and everyday tasks required to support teams as they deliver exceptional customer value. See Agile in action. "Agile Illustrated: A Visual Learner's Guide to Agility" shows the agile mindset and behaviors in use on agile teams. Servant leadership traits are illustrated through mind-maps and cartoons, accompanied by short descriptions. A soup-to-nuts illustrated overview of agile in 85 colorful pages.

Working at Inventing offers a fascinating study of research and development at Thomas Edison's Menlo Park (New Jersey) laboratory during the six years between 1876 and 1882 that transformed American life. Edison and his associates developed ideas that led to more than four hundred patents and made major contributions to telegraphy, telephony, and the duplication of texts. They also made breakthrough innovations in two age-old human quests: conquering the darkness of night and preserving and replaying sound. In the process, Edison demonstrated how to combine technological innovation and business strategy. Afterward, research and development became essential corporate activities. Six experts on Edison's work deal in turn with the working conditions and the experiences at Menlo Park; the work culture of machinists and their impact on innovation; the role that telegraphy played in forming the lab's inventive activities; Edison's use of mental models in developing the telephone; the importance of visual communication in technology; and the significance of Menlo Park as a model of scientific and technological development. William Pretzer's introduction to the volume provides the context of Edison's career, while an epilogue explains the public interpretation of the Menlo Park laboratory as reconstructed by Henry Ford in his outdoor museum, Greenfield Village. Innovation Project Management Handbook provides organizational leaders and decision-makers with a cadre of agile, disciplined, and transformational tools and processes for improving innovation opportunity outcomes and achieving sustained innovation project success. The authors introduce new tools and processes developed over their decades of work i

User experience (UX) design has traditionally been a deliverables-based practice, with wireframes, site maps, flow diagrams, and mockups. But in today's web-driven reality, orchestrating the entire design from the get-go no longer works. This hands-on book demonstrates Lean UX, a deeply collaborative and cross-functional process that lets you strip away heavy deliverables in favor of building shared understanding with the rest of the product team. Lean UX is the evolution of product design; refined through the real-world experiences of companies large and small, these practices and principles help you maintain daily, continuous engagement with your teammates, rather than work in isolation. This book shows you how to use Lean UX on your own projects. Get a tactical understanding of Lean UX—and how it changes the way teams work together Frame a vision of the problem you're solving and focus your team on the right outcomes Bring the designer's tool kit to the rest of your product team Break down the silos created by job titles and learn to trust your teammates Improve the quality and productivity of your teams, and focus on validated experiences as opposed to deliverables/documents Learn how Lean UX integrates with Agile UX

The rules and practices for Scrum—a simple process for managing complex projects—are few, straightforward, and easy to learn. But Scrum's simplicity itself—its lack of prescription—can be disarming, and new practitioners often find themselves reverting to old project management habits and tools and yielding lesser results. In this illuminating series of case studies, Scrum co-creator and evangelist Ken Schwaber identifies the real-world lessons—the successes and failures—culled from his years of experience coaching companies in agile project management. Through them, you'll understand how to use Scrum to solve complex problems and drive

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better results—delivering more valuable software faster. Gain the foundation in Scrum theory—and practice—you need to: Rein in even the most complex, unwieldy projects Effectively manage unknown or changing product requirements Simplify the chain of command with self-managing development teams Receive clearer specifications—and feedback—from customers Greatly reduce project planning time and required tools Build—and release—products in 30-day cycles so clients get deliverables earlier Avoid missteps by regularly inspecting, reporting on, and fine-tuning projects Support multiple teams working on a large-scale project from many geographic locations Maximize return on investment!

Actionable tools, processes and metrics for successfully managing innovation projects Conventional project management methods are oftentimes insufficient for managing innovation projects. Innovation is lost under the pre-determined scope and forecasted environments of traditional project management. There is tremendous pressure on organizations to innovate, and the project managers responsible for managing these innovation projects do not have the training or tools to do their jobs effectively. Innovation Project Management provides the tools, insights, and metrics needed to successfully manage innovation projects—helping readers identify problems in their organization, conceive elegant solutions, and, when necessary, promote changes to their organizational culture. There are several kinds of innovation—ranging from incremental changes to existing products to wholly original processes that emerge from market-disrupting new technology—that possess different characteristics and often require different tools. Best-selling author and project management expert Harold Kerzner integrates innovation, project management, and strategic planning to offer students and practicing professionals the essential tools and processes to analyze innovation from all sides. Innovation Project Management deconstructs traditional project management methods and explains why and how innovation projects should be managed differently. This invaluable resource: Provides practical advice and actionable tools for effectively managing innovation projects Offers value-based project management metrics and guidance on how to establish a metrics management program Shares exclusive insights from project managers at world-class organizations such as Airbus, Boeing, Hitachi, IBM, and Siemens on how they manage innovation projects Explores a variety of types of innovation including co-creation, value-driven, agile, open versus closed, and more Instructors have access to PowerPoint lecture slides by chapter through the book's companion website Innovation Project Management: Methods, Case Studies, and Tools for Managing Innovation Projects is an essential text for professional project managers, corporate managers, innovation team members, as well as students in project management, innovation and entrepreneurship programs.

Jim Highsmith addresses the leading non-published aspect of agile methods: project management. Included in the book are a handy set of agile tools and instruction on bridging the gap from traditional software project management. Implement Scrum or improve how Scrum works in your team or organization using this concise, sharp, and programmatic book. You will quickly learn what you need to know without getting confused with unnecessary details. What You'll Learn Become familiar with Agile concepts and understand the path from Waterfall to the Agile Manifesto Understand the most commonly used Agile methodology—Scrum—and how it relates to eXtreme Programming and Kanban as well as to Lean principles Identify the challenges of the Scrum Master role and understand what this role is all about Know the stages of Scrum team development Embrace and solve conflicts in a Scrum team Who This Book Is For Anyone looking for a simple way to understand Scrum methodology This book covers the development of high-order numerical methods for the

simulation of incompressible fluid flows in complex domains.

EDGE: The Agile Operating Model That Will Help You Successfully Execute Your Digital Transformation “[The authors’] passion for technology allows them to recognize that for most enterprises in the 21st century, technology is THE business. This is what really separates the EDGE approach. It is a comprehensive operating model with technology at its core.” —From the Foreword by Heidi Musser, Executive Vice President and Principal Consultant, Leading Agile; retired, Vice President and CIO, USAA Maximum innovation happens at the edge of chaos: the messy, risky, and uncertain threshold between randomness and structure. Operating there is uncomfortable but it’s where organizations “invent the future.” EDGE is a set of fast, iterative, adaptive, lightweight, and value-driven tools to achieve digital transformation, and EDGE: Value-Driven Digital Transformation is your guide to using this operating model for innovation. Jim Highsmith is one of the world’s leading agile pioneers and a coauthor of the Agile Manifesto. He, Linda Luu, and David Robinson know from their vast in-the-trenches experience that sustainable digital transformation requires far more than adopting isolated agile practices or conventional portfolio management. This hard, indispensable work involves changing culture and mindset, and going beyond transforming the IT department. EDGE embraces an adaptive mindset in the face of market uncertainty, a visible, value-centered portfolio approach that encourages continual value linkages from vision to detailed initiatives, incremental funding that shifts as strategies evolve, collaborative decision-making, and better risk mitigation. This guide shows leaders how to use the breakthrough EDGE approach to go beyond incremental improvement in a world of exponential opportunities. Build an organization that adapts fast enough to thrive Clear away unnecessary governance processes, obsolete “command and control” leadership approaches, and slow budgeting/planning cycles Improve collaboration when major, fast-paced responses are necessary Continually optimize investment allocation and monitoring based on your vision and goals Register your product for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Discover high-value Azure security insights, tips, and operational optimizations This book presents comprehensive Azure Security Center techniques for safeguarding cloud and hybrid environments. Leading Microsoft security and cloud experts Yuri Diogenes and Dr. Thomas Shinder show how to apply Azure Security Center’s full spectrum of features and capabilities to address protection, detection, and response in key operational scenarios. You’ll learn how to secure any Azure workload, and optimize virtually all facets of modern security, from policies and identity to incident response and risk management. Whatever your role in Azure security, you’ll learn how to save hours, days, or even weeks by solving problems in most efficient, reliable ways possible. Two of Microsoft’s leading cloud security experts show how to:

- Assess the impact of cloud and

hybrid environments on security, compliance, operations, data protection, and risk management • Master a new security paradigm for a world without traditional perimeters • Gain visibility and control to secure compute, network, storage, and application workloads • Incorporate Azure Security Center into your security operations center • Integrate Azure Security Center with Azure AD Identity Protection Center and third-party solutions • Adapt Azure Security Center's built-in policies and definitions for your organization • Perform security assessments and implement Azure Security Center recommendations • Use incident response features to detect, investigate, and address threats • Create high-fidelity fusion alerts to focus attention on your most urgent security issues • Implement application whitelisting and just-in-time VM access • Monitor user behavior and access, and investigate compromised or misused credentials • Customize and perform operating system security baseline assessments • Leverage integrated threat intelligence to identify known bad actors

Agile Estimating and Planning is the definitive, practical guide to estimating and planning agile projects. In this book, Agile Alliance cofounder Mike Cohn discusses the philosophy of agile estimating and planning and shows you exactly how to get the job done, with real-world examples and case studies. Concepts are clearly illustrated and readers are guided, step by step, toward how to answer the following questions: What will we build? How big will it be? When must it be done? How much can I really complete by then? You will first learn what makes a good plan-and then what makes it agile. Using the techniques in Agile Estimating and Planning , you can stay agile from start to finish, saving time, conserving resources, and accomplishing more. Highlights include: Why conventional prescriptive planning fails and why agile planning works How to estimate feature size using story points and ideal days—and when to use each How and when to re-estimate How to prioritize features using both financial and nonfinancial approaches How to split large features into smaller, more manageable ones How to plan iterations and predict your team's initial rate of progress How to schedule projects that have unusually high uncertainty or schedule-related risk How to estimate projects that will be worked on by multiple teams Agile Estimating and Planning supports any agile, semiagile, or iterative process, including Scrum, XP, Feature-Driven Development, Crystal, Adaptive Software Development, DSDM, Unified Process, and many more. It will be an indispensable resource for every development manager, team leader, and team member.

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