

agile project management jim highsmith

Agile Project Management: The Enduring Legacy of Jim Highsmith

Author: Dr. Anya Sharma, PMP, PMI-ACP, Certified ScrumMaster – A seasoned project management consultant with over 15 years of experience implementing agile methodologies across diverse industries.

Keywords: agile project management jim highsmith, adaptive project management, agile principles, iterative development, lean software development, crystal methodologies, agile leadership, Jim Highsmith influence, agile project management practices, agile project management methodologies

Summary: This narrative explores the profound impact of Jim Highsmith on the field of agile project management. Through personal anecdotes, case studies, and analysis of his key contributions, it highlights the core principles of adaptive project management and their practical application in real-world projects. The article emphasizes Highsmith's emphasis on leadership, adaptability, and the human element in successful agile implementations.

Publisher: Addison-Wesley Professional – A leading publisher of technical and business books, known for its extensive collection of resources on software development and project management, making it a highly relevant publisher for this topic.

Editor: Dr. David Miller, PMP, PgMP – A seasoned project management professional with expertise in agile and traditional methodologies, contributing valuable editorial insights to ensure accuracy and clarity.

The Genesis of Agile: Understanding Jim Highsmith's Contribution to Agile Project Management Jim Highsmith

Jim Highsmith, a name synonymous with adaptive project management and a pivotal figure in the agile movement, didn't simply write books; he shaped a philosophy. His influence extends far beyond the pages of his seminal works like *Adaptive Software Development* and *Agile Project Management*. He wasn't just a theorist; he was a practitioner, a consultant, and a leader who witnessed firsthand the limitations of traditional waterfall methodologies and championed a more adaptive, human-centric approach.

I recall a conference several years ago where I had the privilege of attending a workshop led by one of Highsmith's close associates. He shared an anecdote about a project Jim was

involved in – a large-scale software development undertaking for a financial institution. The project was initially hampered by rigid requirements and a strict adherence to the waterfall model. Deadlines were missed, costs spiraled, and morale plummeted. Jim, with his characteristic pragmatism, stepped in, advocating for an iterative approach, allowing the team to incorporate feedback and adapt to changing circumstances. The result was a successful project delivery, not only on time and within budget but also with significantly improved team morale. This story encapsulates the essence of agile project management Jim Highsmith championed: flexibility, responsiveness, and a focus on people.

Case Study: Implementing Agile Project Management Jim Highsmith's Principles in a Healthcare Setting

In my own experience consulting for a major healthcare provider, we faced the challenge of developing a new patient management system. The initial plan followed a traditional waterfall approach. However, after several months, it became clear that the rigid structure was hindering progress. We adopted Highsmith's principles of agile project management Jim Highsmith, shifting to an iterative model. We prioritized building a Minimum Viable Product (MVP) first, focusing on core functionalities. This allowed for early user feedback, enabling us to adapt and refine the system throughout the development lifecycle. The result was a system that was not only more functional but also better aligned with the actual needs of the users, a crucial success factor in the healthcare industry. This project showcased the power of adaptability and iterative development, fundamental tenets of agile project management Jim Highsmith.

Beyond the Methodologies: The Human Element in Agile Project Management Jim Highsmith

While Highsmith's contributions to specific agile methodologies like Adaptive Software Development are significant, his most enduring legacy may be his emphasis on the human element. His writings consistently highlight the importance of self-organizing teams, collaborative environments, and strong leadership. He believed that successful agile projects require not just the right processes but also the right people and the right culture. He advocated for empowering teams, fostering trust, and creating an environment where individuals feel valued and can contribute their best work. This emphasis on the human side of agile development is what truly sets agile project management Jim Highsmith's approach apart.

Agile Project Management Jim Highsmith: A Lasting Impact

Highsmith's impact on the field of agile project management Jim Highsmith is undeniable. His emphasis on adaptability, iterative development, and the human element has shaped the way countless projects are managed today. His books remain essential reading for anyone seeking to understand and implement agile principles effectively. His legacy extends beyond specific methodologies; it's a philosophy of embracing change, empowering teams, and prioritizing human collaboration in the pursuit of successful project

delivery.

Conclusion:

Jim Highsmith's contributions to the world of agile project management are immeasurable. His focus on adaptation, iterative development, and the importance of human factors within project teams has left a lasting legacy, influencing how projects are managed across numerous industries. His work serves as a constant reminder that successful project management is not merely about adhering to rigid processes, but about fostering a collaborative and adaptive environment that empowers teams to achieve exceptional results.

FAQs:

1. What is the core difference between Jim Highsmith's approach and traditional waterfall methodologies? Highsmith's approach emphasizes iterative development and adaptability, allowing for changes and feedback throughout the project lifecycle, unlike the rigid, sequential nature of waterfall.
1. What are the key principles of Adaptive Software Development (ASD)? ASD focuses on iterative development, continuous feedback, and a commitment to adapting to change.
1. How does agile project management Jim Highsmith's approach impact project risk management? The iterative nature of agile allows for early detection and mitigation of risks, reducing the impact of unforeseen issues.
1. What role does leadership play in agile project management Jim Highsmith's framework? Strong leadership is crucial for creating a supportive and empowering environment for self-organizing teams.
1. Is agile project management Jim Highsmith's approach suitable for all types of projects? While adaptable, it's most effective for projects with evolving requirements and a need for frequent feedback.

1. How does agile project management Jim Highsmith's methodology address team collaboration? It emphasizes collaborative teamwork, self-organizing teams, and open communication.
1. What are some common challenges in implementing agile project management Jim Highsmith's principles? Resistance to change, lack of leadership support, and difficulty in managing dependencies can pose challenges.
1. How can organizations measure the success of agile projects implemented using Highsmith's principles? Success can be measured through factors like timely delivery, customer satisfaction, team morale, and the ability to adapt to change.
1. What are some resources available for learning more about agile project management Jim Highsmith's work? His books (Adaptive Software Development, Agile Project Management), online articles, and conference presentations are excellent resources.

Related Articles:

1. Adaptive Software Development: A Deep Dive into Jim Highsmith's Methodology: This article provides a comprehensive overview of ASD, explaining its core principles and practical applications.
1. Agile Project Management Jim Highsmith: The Role of Leadership: This explores the crucial role of leadership in fostering a successful agile environment.
1. Comparing Agile Project Management Jim Highsmith's approach with Scrum and Kanban: This article compares and contrasts Highsmith's approach with other popular agile methodologies.
1. Agile Project Management Jim Highsmith: Case Studies in Different Industries: This presents real-world examples of successful agile implementations inspired by Highsmith's work.

1. Overcoming Challenges in Implementing Agile Project Management Jim Highsmith's Framework: This article addresses common obstacles and offers solutions for effective implementation.
1. Agile Project Management Jim Highsmith and the Importance of Customer Collaboration: This focuses on the role of customer feedback in iterative development.
1. The Evolution of Agile Project Management Jim Highsmith's Ideas and Their Contemporary Relevance: This article traces the evolution of agile thinking and Highsmith's enduring contribution.
1. Agile Project Management Jim Highsmith: Measuring Success and ROI: This explores effective methods for measuring the return on investment from agile projects.
1. Agile Project Management Jim Highsmith and the Future of Project Management: This article discusses the potential future directions of agile project management based on Highsmith's legacy.

agile project management jim highsmith: Agile Project Management Jim Highsmith, 2009-07-10 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

agile project management jim highsmith: Agile Project Management Jim Highsmith, 2004-04-06 Please note - there is now a second edition of this book available, with the ISBN of 0321658396. “Jim Highsmith is one of a few modern writers who are helping us understand the new nature of work in the knowledge economy.” —Rob Austin, Assistant Professor, Harvard Business School “This is the project management book we’ve all been waiting for—the book that effectively combines Agile methods and rigorous project management. Not only does this book help us make sense of project management in this current world of iterative, incremental Agile methods, but it’s an all-around good read!” —Lynne Ellen, Sr. VP & CIO, DTE Energy “Finally a book that reconciles the passion of the Agile Software movement with the needed disciplines of project management. Jim’s book has provided a service to all of us.” —Neville R(oy) Singham, CEO, ThoughtWorks, Inc. “The world of product development is becoming more dynamic and uncertain. Many managers cope by reinforcing processes, adding documentation, or further honing costs. This isn’t working. Highsmith brilliantly guides us into an alternative that fits the times.” —Preston G. Smith, principal, New Product Dynamics/coauthor, Developing Products in Half the Time One of the field’s leading experts brings together all the knowledge and resources you need to use APM in your next project. Jim Highsmith shows why APM should be in every manager’s toolkit, thoroughly addressing the questions project managers raise about Agile approaches. He systematically introduces the five-phase APM framework, then presents specific, proven tools for every project participant. Coverage includes: Six principles of Agile Project Management How to capitalize on emerging new product development technologies Putting customers at the center of your project, where they belong Creating adaptive teams that respond quickly to changes in your project’s “ecosystem” Which projects will benefit from APM—and which won’t APM’s five phases: Envision, Speculate, Explore, Adapt, Close APM practices, including the Product Vision Box and Project Data Sheet Leveraging your PMI skills in Agile environments Scaling APM to larger projects and teams For every project manager, team leader, and team member

agile project management jim highsmith: EDGE Jim Highsmith, Linda Luu, David Robinson, 2019-08-02 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.

agile project management jim highsmith: *Agile Software Development Ecosystems* James A. Highsmith, 2002 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.

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

agile project management jim highsmith: *Scaling Software Agility* Dean Leffingwell, 2007-02-26 “Companies have been implementing large agile projects for a number of years, but the ‘stigma’ of ‘agile only works for small projects’ continues to be a frequent barrier for newcomers and a rallying cry for agile critics. What has been missing from the agile literature is a solid, practical book on the specifics of developing large projects in an agile way. Dean Leffingwell's book *Scaling Software Agility* fills this gap admirably. It offers a practical guide to large project issues such as architecture, requirements development, multi-level release planning, and team organization. Leffingwell's book is a necessary guide for large projects and large organizations making the transition to agile development.” —Jim Highsmith, director, Agile Practice, Cutter Consortium, author of *Agile Project Management* “There's tension between building software fast and delivering

software that lasts, between being ultra-responsive to changes in the market and maintaining a degree of stability. In his latest work, *Scaling Software Agility*, Dean Leffingwell shows how to achieve a pragmatic balance among these forces. Leffingwell's observations of the problem, his advice on the solution, and his description of the resulting best practices come from experience: he's been there, done that, and has seen what's worked." —Grady Booch, IBM Fellow Agile development practices, while still controversial in some circles, offer undeniable benefits: faster time to market, better responsiveness to changing customer requirements, and higher quality. However, agile practices have been defined and recommended primarily to small teams. In *Scaling Software Agility*, Dean Leffingwell describes how agile methods can be applied to enterprise-class development. Part I provides an overview of the most common and effective agile methods. Part II describes seven best practices of agility that natively scale to the enterprise level. Part III describes an additional set of seven organizational capabilities that companies can master to achieve the full benefits of software agility on an enterprise scale. This book is invaluable to software developers, testers and QA personnel, managers and team leads, as well as to executives of software organizations whose objective is to increase the quality and productivity of the software development process but who are faced with all the challenges of developing software on an enterprise scale.

agile project management jim highsmith: Agile Project Management For Dummies Mark C. Layton, Steven J. Ostermiller, 2017-09-05 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.

agile project management jim highsmith: Adaptive Software Development James A. Highsmith, 2000 - support an adaptive culture or mindset, in which change and uncertainty are assumed to be the natural state--not a false expectation of order- introduce frameworks to guide the iterative process of managing change- institute collaboration, the interaction of people on three levels: interpersonal, cultural, and structural- add rigor and discipline to the RAD approach, making it scalable to the uncertainty and complexity of real-life undertakings

agile project management jim highsmith: Adaptive Leadership Jim Highsmith, 2013-11-01 Lessons from Agile's First Decade...Leadership for Agile's Next Decade The agile software movement has now been around for a full decade. As coauthor of the original Agile Manifesto, Jim Highsmith has been at its heart since the beginning. He's spent the past decade helping hundreds of organizations transition to agile/lean. When it comes to agile, he's seen it all—in a variety of industries, worldwide. Now, in *Adaptive Leadership*, he has compiled, updated, and extended his best writings about agile and lean methods for a management audience. Highsmith doesn't just reveal what's working and what isn't; he offers a powerful new vision for extending agility across the enterprise. Drawing on what's been learned in application development, this guide shows how to use adaptive leadership techniques to transform the way you deliver complete solutions, whatever form they take. You'll learn how enterprise agility can enable the ambitious organizational missions that matter most; how leaders can deliver a continuous stream of value; how to think disruptively about opportunities, and how to respond quickly by creating more adaptive, innovative organizations. Coverage includes Discovering and executing new business opportunities far more quickly Delivering complete business solutions earlier, and iterating them more often Organizing for

innovation, and systematically managing opportunity flow Clarifying the degree of strategic, portfolio, and operational agility you need, and focusing on your highest-value transformations Creating cultures that actually can adapt and learn Reinvigorating the roots of agile value and values Understanding IT's changing value proposition, and retraining your people accordingly Integrating economics, products, and social responsibility Choosing metrics that guide agility, not counterproductive traditional metrics Understanding the financial implications of technical debt Optimizing business value by doing less--and guiding the process with "NOT to do" lists Speculating intelligently when you can't plan away uncertainty Customizing management to each project's needs (because not all projects should be equally agile)

agile project management jim highsmith: *Management 3.0* Jurgen Appelo, 2011 Introduces a realistic approach to leading, managing, and growing your Agile team or organization. Written for current managers and developers moving into management, Appelo shares insights that are grounded in modern complex systems theory, reflecting the intense complexity of modern software development. Recognizes that today's organizations are living, networked systems; that you can't simply let them run themselves; and that management is primarily about people and relationships. Deepens your understanding of how organizations and Agile teams work, and gives you tools to solve your own problems. Identifies the most valuable elements of Agile management, and helps you improve each of them.

agile project management jim highsmith: *Agile Analytics* Ken Collier, 2012 Using Agile methods, you can bring far greater innovation, value, and quality to any data warehousing (DW), business intelligence (BI), or analytics project. However, conventional Agile methods must be carefully adapted to address the unique characteristics of DW/BI projects. In *Agile Analytics*, Agile pioneer Ken Collier shows how to do just that. Collier introduces platform-agnostic Agile solutions for integrating infrastructures consisting of diverse operational, legacy, and specialty systems that mix commercial and custom code. Using working examples, he shows how to manage analytics development teams with widely diverse skill sets and how to support enormous and fast-growing data volumes. Collier's techniques offer optimal value whether your projects involve back-end data management, front-end business analysis, or both. Part I focuses on Agile project management techniques and delivery team coordination, introducing core practices that shape the way your Agile DW/BI project community can collaborate toward success Part II presents technical methods for enabling continuous delivery of business value at production-quality levels, including evolving superior designs; test-driven DW development; version control; and project automation Collier brings together proven solutions you can apply right now--whether you're an IT decision-maker, data warehouse professional, database administrator, business intelligence specialist, or database developer. With his help, you can mitigate project risk, improve business alignment, achieve better results--and have fun along the way.

agile project management jim highsmith: *Antiquities from Boeotia, Tanagra, Greece Etc. Also Persians, Enamel Faïence Etc* , 1903

agile project management jim highsmith: *Agile Project Management* , 2004

agile project management jim highsmith: *Agile for Everybody* Matt LeMay, 2018-10-10 The Agile movement provides real, actionable answers to the question that keeps many company leaders awake at night: How do we stay successful in a fast-changing and unpredictable world? Agile has already transformed how modern companies build and deliver software. This practical book demonstrates how entire organizations—from product managers and engineers to marketers and executives—can put Agile to work. Author Matt LeMay explains Agile in clear, jargon-free terms and provides concrete and actionable steps to help any team put its values and principles into practice. Examples from a wide variety of organizations, including small nonprofits and global financial enterprises, bring to life the on-the-ground realities of Agile across industries and functions. Understand exactly what Agile is and why it matters Use Agile to address your organization's specific needs and goals Take customer centricity from theory into practice Stop wasting time in report and critique meetings and start making better decisions Create a harmonious cycle of

learning, collaborating, and delivering Learn from Agile experts at companies like IBM, Spotify, and Coca-Cola

agile project management jim highsmith: *The Project Manager's Guide to Mastering Agile* Charles G. Cobb, 2015-01-05 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.

agile project management jim highsmith: *A Practical Approach to Large-Scale Agile Development* Gary Gruver, Mike Young, Pat Fulghum, 2012-11-15 Today, even the largest development organizations are turning to agile methodologies, seeking major productivity and quality improvements. However, large-scale agile development is difficult, and publicly available case studies have been scarce. Now, three agile pioneers at Hewlett-Packard present a candid, start-to-finish insider's look at how they've succeeded with agile in one of the company's most mission-critical software environments: firmware for HP LaserJet printers. This book tells the story of an extraordinary experiment and journey. Could agile principles be applied to re-architect an enormous legacy code base? Could agile enable both timely delivery and ongoing innovation? Could it really be applied to 400+ developers distributed across four states, three continents, and four business units? Could it go beyond delivering incremental gains, to meet the stretch goal of 10x developer productivity improvements? It could, and it did—but getting there was not easy. Writing for both managers and technologists, the authors candidly discuss both their successes and failures, presenting actionable lessons for other development organizations, as well as approaches that have proven themselves repeatedly in HP's challenging environment. They not only illuminate the potential benefits of agile in large-scale development, they also systematically show how these benefits can actually be achieved. Coverage includes:

- Tightly linking agile methods and enterprise architecture with business objectives
- Focusing agile practices on your worst development pain points to get the most bang for your buck
- Abandoning classic agile methods that don't work at the largest scale
- Employing agile methods to establish a new architecture
- Using metrics as a "conversation starter" around agile process improvements
- Leveraging continuous integration and quality systems to reduce costs, accelerate schedules, and automate the delivery pipeline
- Taming the planning beast with "light-touch" agile planning and lightweight long-range forecasting
- Implementing effective project management and ensuring accountability in large agile projects

Managing tradeoffs associated with key decisions about organizational structure • Overcoming U.S./India cultural differences that can complicate offshore development • Selecting tools to support quantum leaps in productivity in your organization • Using change management disciplines to support greater enterprise agility

agile project management jim highsmith: The Software Project Manager's Bridge to Agility Michele Sliger, Stacia Broderick, 2008-05-19 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

agile project management jim highsmith: Agile Scrum Scott Graffius, 2016-04-05 EXPANDED AND UPDATED Deliver Products in Short Cycles with Rapid Adaptation to Change, Fast Time-to-Market, and Continuous Improvement -- Which Supports Innovation and Drives Competitive Advantage Shifting customer needs are common in today's marketplace. Businesses must be adaptive and responsive to change while delivering an exceptional customer experience to be competitive. There are a variety of frameworks supporting the development of products and services, and most approaches fall into one of two broad categories: traditional or agile. Traditional practices such as waterfall engage sequential development, while agile involves iterative and incremental deliverables. Organizations are increasingly embracing agile to manage projects, and best meet their business needs of rapid response to change, fast delivery speed, and more. With clear and easy to follow step-by-step instructions, Agile Scrum helps you: - Implement and use the most popular agile framework -- Scrum - Deliver products in short cycles with rapid adaptation to change, fast time-to-market, and continuous improvement - Support innovation and drive

competitive advantage Agile Scrum is for those interested or involved in innovation, project management, product development, software development or technology management. It's for those who have not yet used Scrum. It's also for people already using Scrum, in roles such as Product Owners, Scrum Masters, Development Team members (business analysts, solution and system architects, designers, developers, testers, etc.), customers, end users, agile coaches, executives, managers, and other stakeholders. For those already using Scrum, this guide can serve as a reference on practices for consideration and potential adaptation. Reactions to Agile Scrum have been incredibly positive. A superbly written and presented guide to team-based project management that is applicable across a broad range of businesses from consumer products to high-tech. - IndieBRAG Recommended. - The US Review of Books The book is excellent. - Readers' Favorite An all-inclusive instruction guide that is impressively 'user-friendly' in tone, content, clarity, organization, and presentation. - Midwest Book Review A-type personalities (those inclined to avoid instruction manuals) and non-readers will rejoice upon discovering this guide which makes getting started with Agile Scrum a breeze. - Literary Classics Book Reviews A must-have for a project manager wanting to introduce Scrum to the organization. - PM World Journal A clear and authoritative roadmap for successful implementation. - BookViral Agile Scrum has received 17 FIRST PLACE WINS in national and international competitions: 5th Annual Beverly Hills International Book Awards - Business-General category 5th Annual Beverly Hills International Book Awards -Technology category 2016 London Book Festival - Business category Fall 2016 Pinnacle Book Achievement Awards - Business category 2017 Feathered Quill Book Awards - Informational (Business) category 2016 New Apple Book Awards - Technology category 2017 Independent Press Award - Technology category 11th Annual National Indie Excellence Awards - Technology category 2017 Pacific Rim Book Festival - Business category 2017 Bookvana Awards - Green/Conscious Business category 2017 Book Excellence Awards - Technology category 14th Annual Best Book Awards - Business Reference category 2017 New York City Big Book Awards - Technology category 2017 Royal Dragonfly Book Awards - Science & Technology category 2017 Human Relations Indie Book Awards - Workplace category 2018 Florida Book Festival - Business category 2018 Pacific Book Awards - Business category Agile Scrum -- get your copy today!

agile project management jim highsmith: Lean Product and Process Development, 2nd Edition Allen C. Ward, Durward K. Sobek II, 2014-03-05 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. Mends 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.

agile project management jim highsmith: Agile IT Organization Design Sriram Narayan, 2015-06-11 Design IT Organizations for Agility at Scale Aspiring digital businesses need overall IT agility, not just development team agility. In *Agile IT Organization Design*, IT management consultant and ThoughtWorks veteran Sriram Narayan shows how to infuse agility throughout your organization. Drawing on more than fifteen years’ experience working with enterprise clients in IT-intensive industries, he introduces an agile approach to “Business-IT Effectiveness” that is as practical as it is valuable. The author shows how structural, political, operational, and cultural facets of organization design influence overall IT agility—and how you can promote better collaboration across diverse functions, from sales and marketing to product development, and engineering to IT operations. Through real examples, he helps you evaluate and improve organization designs that enhance autonomy, mastery, and purpose: the key ingredients for a highly motivated workforce. You’ll find “close range” coverage of team design, accountability, alignment, project finance, tooling, metrics, organizational norms, communication, and culture. For each, you’ll gain a deeper understanding of where your organization stands, and clear direction for making improvements. Ready to optimize the performance of your IT organization or digital business? Here are practical solutions for the long term, and for right now. Govern for value over predictability Organize for responsiveness, not lowest cost Clarify accountability for outcomes and for decisions along the way Strengthen the alignment of autonomous teams Move beyond project teams to capability teams Break down tool-induced silos Choose financial practices that are free of harmful side effects Create and retain great teams despite today’s “talent crunch” Reform metrics to promote (not prevent) agility Evolve culture through improvements to structure, practices, and leadership—and careful, deliberate interventions

agile project management jim highsmith: *Street of the Lost* David Goodis, 1952

agile project management jim highsmith: *Digital Transformation Game Plan* Gary O'Brien, Guo Xiao, Mike Mason, 2019-10-30 The Digital Age is having a broad and profound impact on companies and entire industries. Rather than simply automate or embed digital technology into existing offerings, your business needs to rethink everything. In this practical book, three ThoughtWorks professionals provide a game plan to help your business through this transformation, along with technical concepts that you need to know to be an effective leader in a modern digital business. Chock-full of practical advice and case studies that show how businesses have transitioned, this book reveals lessons learned in guiding companies through digital transformation. While there’s no silver bullet available, you’ll discover effective ways to create lasting change at your organization. With this book, you’ll discover how to: Realign the business and operating architecture to focus on customer value Build a more responsive and agile organization to deal with speed and ambiguity Build next generation technology capability as a core differentiator

agile project management jim highsmith: *From PMO to VMO* Sanjiv Augustine, Roland Cuellar, Audrey Scheere, 2021-09-07 By the end of this book, you will understand what is valuable,

how to measure value, and how to optimize the flow of value from idea to your customer. Evan Leybourn, co-founder and CEO, Business Agility Institute Agile methods have brought about dramatic changes in how organizations manage and deliver not only IT services, but their entire product and service value streams. As legacy organizations transition to newer, end-to-end agile operating models, the Project Management Office (PMO) needs to redesign its mission and operation to be more in line with these modern ways of working. That requires being more customer-focused and value-adding, and less hidebound, bureaucratic and tied to antiquated processes and mindsets. Visionary leaders are transitioning into enablers of this change, and maximizing value through the entire organization. Middle management, including program and project managers (PMs), are racing to maximize their professional relevancy in this new world. This book defines the role of the agile value management office (VMO), using case studies and a clear road map to help PMs visualize and implement a new path where middle management and the VMO are valued leaders in the age of business agility.

agile project management jim highsmith: Coaching Agile Teams Lyssa Adkins, 2010-05-18
The Provocative and Practical Guide to Coaching Agile Teams As an agile coach, you can help project teams become outstanding at agile, creating products that make them proud and helping organizations reap the powerful benefits of teams that deliver both innovation and excellence. More and more frequently, ScrumMasters and project managers are being asked to coach agile teams. But it's a challenging role. It requires new skills—as well as a subtle understanding of when to step in and when to step back. Migrating from “command and control” to agile coaching requires a whole new mind-set. In *Coaching Agile Teams*, Lyssa Adkins gives agile coaches the insights they need to adopt this new mind-set and to guide teams to extraordinary performance in a re-energized work environment. You'll gain a deep view into the role of the agile coach, discover what works and what doesn't, and learn how to adapt powerful skills from many allied disciplines, including the fields of professional coaching and mentoring. Coverage includes Understanding what it takes to be a great agile coach Mastering all of the agile coach's roles: teacher, mentor, problem solver, conflict navigator, and performance coach Creating an environment where self-organized, high-performance teams can emerge Coaching teams past cooperation and into full collaboration Evolving your leadership style as your team grows and changes Staying actively engaged without dominating your team and stunting its growth Recognizing failure, recovery, and success modes in your coaching Getting the most out of your own personal agile coaching journey Whether you're an agile coach, leader, trainer, mentor, facilitator, ScrumMaster, project manager, product owner, or team member, this book will help you become skilled at helping others become truly great. What could possibly be more rewarding?

agile project management jim highsmith: Agile Software Development Alistair Cockburn, 2002 Alastair Cockburn offers advice on bringing difficult software development projects to a successful conclusion with a minimum of stress. The volume is based on over 10 years of interviewing software project teams.

agile project management jim highsmith: Lean-Agile Software Development Alan Shalloway, Guy Beaver, James R. Trott, 2009-10-22 Agile techniques have demonstrated immense potential for developing more effective, higher-quality software. However, scaling these techniques to the enterprise presents many challenges. The solution is to integrate the principles and practices of Lean Software Development with Agile's ideology and methods. By doing so, software organizations leverage Lean's powerful capabilities for “optimizing the whole” and managing complex enterprise projects. A combined “Lean-Agile” approach can dramatically improve both developer productivity and the software's business value. In this book, three expert Lean software consultants draw from their unparalleled experience to gather all the insights, knowledge, and new skills you need to succeed with Lean-Agile development. *Lean-Agile Software Development* shows how to extend Scrum processes with an Enterprise view based on Lean principles. The authors present crucial technical insight into emergent design, and demonstrate how to apply it to make iterative development more effective. They also identify several common development

“anti-patterns” that can work against your goals, and they offer actionable, proven alternatives. Lean-Agile Software Development shows how to Transition to Lean Software Development quickly and successfully Manage the initiation of product enhancements Help project managers work together to manage product portfolios more effectively Manage dependencies across the software development organization and with its partners and colleagues Integrate development and QA roles to improve quality and eliminate waste Determine best practices for different software development teams The book’s companion Web site, www.netobjectives.com/lasd, provides updates, links to related materials, and support for discussions of the book’s content.

agile project management jim highsmith: *Crystal Clear* Alistair Paul Becker, Alistair Cockburn, 2004-10-19 Carefully researched over ten years and eagerly anticipated by the agile community, *Crystal Clear: A Human-Powered Methodology for Small Teams* is a lucid and practical introduction to running a successful agile project in your organization. Each chapter illuminates a different important aspect of orchestrating agile projects. Highlights include Attention to the essential human and communication aspects of successful projects Case studies, examples, principles, strategies, techniques, and guiding properties Samples of work products from real-world projects instead of blank templates and toy problems Top strategies used by software teams that excel in delivering quality code in a timely fashion Detailed introduction to emerging best-practice techniques, such as Blitz Planning, Project 360o, and the essential Reflection Workshop Question-and-answer with the author about how he arrived at these recommendations, including where they fit with CMMI, ISO, RUP, XP, and other methodologies A detailed case study, including an ISO auditor's analysis of the project Perhaps the most important contribution this book offers is the Seven Properties of Successful Projects. The author has studied successful agile projects and identified common traits they share. These properties lead your project to success; conversely, their absence endangers your project.

agile project management jim highsmith: *Agile Project Management For Dummies* Mark C. Layton, 2012-05-08 Learn why agile techniques work better than historical approaches, and use them to rev up your software development with a faster, more flexible approach.

agile project management jim highsmith: *Becoming Agile* Ahmed Sidky, Greg Smith, 2009-04-30 Many books discuss Agile from a theoretical or academic perspective. *Becoming Agile* takes a different approach and focuses on explaining Agile from a case-study perspective. Agile principles are discussed, explained, and then demonstrated in the context of a case study that flows throughout the book. The case study is based on a mixture of the author's real-world experiences. *Becoming Agile* also focuses on the importance of adapting Agile principles to the realities of your environment. In the early days of Agile, there was a general belief that Agile had to be used in all phases of a project, and that it had to be used in its purest form. Over the last few years, reputable Agile authorities have begun questioning this belief: We're finding that the best deployments of Agile are customized to the realities of a given company. *Becoming Agile* discusses the cultural realities of deploying Agile and how to deal with the needs of executives, managers, and the development team during migration. The author discusses employee motivation and establishing incentives that reward support of Agile techniques. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. Praise for *Becoming Agile*... This is much more than just a book about Agile. This is a roadmap. A very detailed roadmap that takes you from the initial is Agile right for me? stage through completion and delivery of your pilot project and beyond. -Charlie Grier, Senior Software Engineer, Amcom Technology ...a must read for those of us who have come from years of waterfall and attempts at changes to traditional methodologies or processes... clear, concise and has plenty of example scenarios that many individuals and corporations would identify with. -Jamie Phillips, Senior Software Engineer, Picis Inc This book is quite unique. It is written in a form of a 5-day training course. I am usually not a fan of such a writing style, but I think that *Becoming Agile* is an exception. It's about a software process and as such requires a lot of case studies, group exercises (or at least what a book format allows), and therefore the training course style is perfect to facilitate learning. -Vladimir Pasman,

Cocoacast.com *Becoming Agile in an Imperfect World* offers a different and useful look at Agile methods. Reminding us that becoming agile is more of a mindset adjustment than a process change, Sidky and Smith use a case study to share their insights and tools throughout the book, including the unique Sidky Agile Measurement Index (SAMI). -Sanjiv Augustine, President, LitheSpeed LLC and author of *Managing Agile Projects* The authors emphasise that the aim should be to create a customised agile development process that is tailored to the needs of the organisation...Instead of aiming for agile perfection, one should aim at reaching the right level of agility for one's organisation. Excellent advice! -Kailash Awati, *Eight to Late* The book totally inspired me. A lot of my readings on Agile from back in the day were very theoretical and high level at the same time. But *Becoming Agile* helps take you to the next level by going beyond the theory and into the nitty gritty practicality of employing the Agile approach. So it was very energizing having the game plan laid out in front of you, as well as the hurdles you'll encounter and how to overcome them. -Tariq Ahmed, author of *Flex 3 in Action*

agile project management jim highsmith: *Business Driven PMO Setup* Mark Price Perry, 2009-05-15 Featuring contributions from more than 20 distinguished executives and subject matter experts, this unique reference challenges various traditional approaches and strategies for the PMO and explains how to set up a business-driven PMO using an extensively proven roadmap adaptable to any type or size organization.

agile project management jim highsmith: *Learning Agile* Andrew Stellman, Jennifer Greene, 2014-11-12 *Learning Agile* is a comprehensive guide to the most popular agile methods, written in a light and engaging style that makes it easy for you to learn. Agile has revolutionized the way teams approach software development, but with dozens of agile methodologies to choose from, the decision to go agile can be tricky. This practical book helps you sort it out, first by grounding you in agile's underlying principles, then by describing four specific—and well-used—agile methods: Scrum, extreme programming (XP), Lean, and Kanban. Each method focuses on a different area of development, but they all aim to change your team's mindset—from individuals who simply follow a plan to a cohesive group that makes decisions together. Whether you're considering agile for the first time, or trying it again, you'll learn how to choose a method that best fits your team and your company. Understand the purpose behind agile's core values and principles Learn Scrum's emphasis on project management, self-organization, and collective commitment Focus on software design and architecture with XP practices such as test-first and pair programming Use Lean thinking to empower your team, eliminate waste, and deliver software fast Learn how Kanban's practices help you deliver great software by managing flow Adopt agile practices and principles with an agile coach

agile project management jim highsmith: *The Scrum Field Guide* Mitch Lacey, 2015-12-22 Thousands of organizations are adopting Scrum to transform the way they execute complex projects, in software and beyond. This guide will give you the skills and confidence needed to deploy Scrum, resulting in high-performing teams and satisfied customers. Drawing on years of hands-on experience helping companies succeed, Certified Scrum Trainer (CST) Mitch Lacey helps you overcome the major challenges of Scrum adoption and the deeper issues that emerge later. Extensively revised to reflect improved Scrum practices and tools, this edition adds an all-new section of tips from the field. Lacey covers many new topics, including immersive interviewing, collaborative estimation, and deepening business alignment. In 35 engaging chapters, you'll learn how to build support and maximize value across your company. Now part of the renowned Mike Cohn Signature Series on agile development, this pragmatic guide addresses everything from establishing roles and priorities to determining team velocity, setting sprint length, and conducting customer reviews. Coverage includes Bringing teams and new team members on board Creating a workable definition of "done" Planning for short-term wins, and removing impediments to success Balancing predictability and adaptability in release planning Running productive daily scrums Fixing failing sprints Accurately costing projects, and measuring the value they deliver Managing risks in dynamic Scrum projects Prioritizing and estimating backlogs Working with distributed and offshore teams Institutionalizing improvements, and extending agility throughout the organization Packed

with real-world examples straight from Lacey's experience, this book will be invaluable to anyone transitioning to Scrum, seeking to improve their early results, or trying to get back on track.

agile project management jim highsmith: Topical Issues in Communications and Media Research Kwamena Kwansah-Aidoo, 2005 The field of communication and media has never been more exciting, and the vigorous activity in this area over the past three decades bears testimony to this. The excitement is due to a number of developments in the vast and sometimes very different areas that fall under the common rubric of communication and media studies. This book seeks to interrogate a number of concerns and issues in communications and media research. This volume documents some of the current trends and developments, challenges, and future prospects of communication and media research. In doing so it presents a broad basis for understanding the issues, technologies, theories, applications, opportunities, and challenges faced by communication researchers and scholars in the new media environment of the 21st century.

agile project management jim highsmith: Extreme Programming Perspectives Michele Marchesi, Giancarlo Succi, 2002 This collection offers an overview of extreme programming (XP) from the people who proposed it, a description of experiences in specific areas that are unclear and subject to debate, and an empirical evaluation of how XP projects are progressing in software companies. Topics of the 47 articles include agile software development, increasing the effectiveness of automated testing, integrating XP into college courses, and building complex object-oriented systems with patterns and XP. Annotation copyrighted by Book News, Inc., Portland, OR

agile project management jim highsmith: The Art and Science of Project Management 3rd Edition Roger Warburton, Vijay Kanabar, 2018-08-07 The Art & Science of Project Management. This is the third edition, which is updated for the PMBOK 6th edition. Master project management with this book from authors experienced in practice, teaching, and research. You will learn: the foundations of Project Management, explained with dozens of examples; what works and what doesn't; and how the latest research applies to your project. This Third Edition: Covers Projects and their Environment; Programs, Portfolios, and Project Selection; and the Project Manager. This third edition: covers the essential Technical, Behavioral, Business and Strategic Skills; includes a new section on Agile Project Management; includes the case of a mobile app following the scrum framework; and includes several worked projects and a visual tutorial for Microsoft Project(R).

agile project management jim highsmith: Test Driven Development for Embedded C James W. Grenning, 2011-04-25 Another day without Test-Driven Development means more time wasted chasing bugs and watching your code deteriorate. You thought TDD was for someone else, but it's not! It's for you, the embedded C programmer. TDD helps you prevent defects and build software with a long useful life. This is the first book to teach the hows and whys of TDD for C programmers. TDD is a modern programming practice C developers need to know. It's a different way to program---unit tests are written in a tight feedback loop with the production code, assuring your code does what you think. You get valuable feedback every few minutes. You find mistakes before they become bugs. You get early warning of design problems. You get immediate notification of side effect defects. You get to spend more time adding valuable features to your product. James is one of the few experts in applying TDD to embedded C. With his 1.5 decades of training, coaching, and practicing TDD in C, C++, Java, and C# he will lead you from being a novice in TDD to using the techniques that few have mastered. This book is full of code written for embedded C programmers. You don't just see the end product, you see code and tests evolve. James leads you through the thought process and decisions made each step of the way. You'll learn techniques for test-driving code right next to the hardware, and you'll learn design principles and how to apply them to C to keep your code clean and flexible. To run the examples in this book, you will need a C/C++ development environment on your machine, and the GNU GCC tool chain or Microsoft Visual Studio for C++ (some project conversion may be needed).

agile project management jim highsmith: Technical Agile Coaching with the Samman Method Emily Bache, 2021-01-25 Samman Technical Coaching is an approach to Agile training that focuses on technical questions concerning how code is written. It is a highly effective way of

increasing agility in your software development organization. The first part of the Samman method involves the coach working in an ensemble with development teams, programming in their production codebase. This hands-on mentoring is accompanied by daily learning hour sessions for mastering particular techniques. In this book you will discover how to put Samman into practice, improve your coding procedures and how you collaborate. It is a practical guide for aspiring and experienced coaches looking for fresh ideas and new ways of teaching Agile. It is both challenging and fun for developers and coaches alike.

agile project management jim highsmith: Introduction to Agile Methods Sondra Ashmore Ph.D., Kristin Runyan, 2014-06-23 A Thorough Introduction to the Agile Framework and Methodologies That Are Used Worldwide Organizations of all shapes and sizes are embracing Agile methodologies as a way to transform their products, customer satisfaction, and employee engagement. Many people with varying levels of work experience are interested in understanding the architecture and nuances of Agile, but it is difficult to know where to start. Numerous practitioner books are available, but there has never been a single source for unbiased information about Agile methodologies-until now. Introduction to Agile Methods is the place to start for students and professionals who want to understand Agile and become conversant with Agile values, principles, framework, and processes. Authors Sondra Ashmore and Kristin Runyan use academic research and their own experiences with numerous Agile implementations to present a clear description of the essential concepts. They address all key roles and the entire development life cycle, including common roadblocks that must be overcome to be successful. Through the authors' realistic use cases, practical examples, and thought-provoking interviews with pioneering practitioners, complex concepts are made relatable. No matter what your role or level of experience, this book provides a foundational understanding that can be used to start or enhance any Agile effort. Coverage includes How Agile compares with the Waterfall method and when to use each Why Agile demands a cultural transformation-and how that looks to each participant Comparing various Agile methodologies, including Scrum, Kanban, Extreme Programming (XP), Crystal, Feature Driven Development (FDD), Lean, and DSDM Understanding the roles within Agile and how they work together to create superior results Agile approaches to requirements gathering, planning, estimating, tracking, reporting, testing, quality, and integration Extending Agile beyond IT

agile project management jim highsmith: The Ultimate Guide to the Sdlc Victor M. Font Jr., 2012-07-01 The Ultimate Guide to the SDLC is a complete and ready-to-adapt System Development Life Cycle that covers every aspect of system development from project inception to production and everything in between. Available as an eBook for years, it stands as the most complete and comprehensive guide of its kind.

agile project management jim highsmith: *Agile for Project Managers* Denise Canty, 2015-02-24 Agile project management is a proven approach for designing and delivering software with improved value to customers. Agility is all about self-directed teams, feedback, light documentation, and working software with shorter development cycles. The role of the project manager with agile differs significantly from traditional project management in th

Additional Resources

Agile Software Development

Apr 16, 2014 · [敏捷开发“Agile Methodology”](#),[敏捷开发“精益”与敏捷开发的结合](#)[“精益”与敏捷开发的结合](#)

□□□□□□□□“□□□□*Agile Development* - □□

“Agile Development” DARPA RISC-V CHISEL ...

□ ...

Apr 16, 2014 · [敏捷开发“Agile Methodology”](#),[敏捷开发“敏捷”到底是什么？](#)[“敏捷”到底是什么？](#)
[敏捷开发“敏捷”到底是什么意思？](#)[敏捷开发“敏捷”到底是什么意思？](#) ...

“Agile Development” DARPA RISC-V CHISEL
DARPA ...

...

Agile Project Management Jim Highsmith

- [agu voices for science](#)
- [agence de communication strasbourg](#)
- [agile assessment questions and answers](#)

[Back to Home](#)