

A Gentle Introduction To Agile And Lean Software Development Agile Agile Coaching Agile Software Development Agile Project Management Scrum Scrum Product Owner Xp Lean Lean Software

Discover what is involved with Agile Software Development, Scrum, and Extreme Programming Learning new software development processes can be difficult, but switching to Agile doesn't need to be complicated. Explore the theories behind Agile Software Development, and learn how to make it work for you. In a Gentle Introduction to Agile Software Development, author Stephen Haunts will guide you to a fuller understanding of Agile, Scrum, Extreme Programming and Agile Project Management. You will learn about the advantages and disadvantages, and how to get the most out of it.

In this new edition of her award-winning book, Jamie Lynn Cooke reveals the secrets of the Agile methodologies that have revolutionized the way that many of the world's most successful companies operate. Written for business professionals and managers, the book explains the core principles of Agile, shows why these approaches work, and demonstrates how to use Agile to significantly increase productivity, quality, and customer satisfaction in any industry.

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 that there is minimal up-front planning. Agile for Project Managers will help project managers from any industry transition to agile project management. The book examines the project management component of agility, concentrating on industry standards, certifications, and being agile. It also compares agile methods to traditional project management methods throughout to provide readers with a clear understanding of the differences between the two. The book's focus is in alignment with the Project Management Institute (PMI®) Agile Certified Practitioner (PMI-ACP®) credential—making it an ideal resource for anyone preparing for the PMI-ACP® exam. Coverage includes: Agile as a project management methodology Agile teams Agile tools and techniques Flavors of agile Agile principles Agile certifications The book provides readers with the understanding required to decide which projects will benefit from agile. It also includes information that can help readers to assess their organizations' readiness for agile methods. Complete with a list of agile training providers, the book will help certified project managers make a smooth transition to agile project management and will provide newcomers with the basic knowledge needed to pass the PMI-ACP® exam, the first time around.

Rather than focusing on a specific software title, the authors explain the theories which are true for any system, and so provide a solid and structured background for aspiring software developers to build upon. With a new design and new features within the text, the book is now even easier to follow and the examples and exercises have also been restructured to improve the knowledge flow to the student. The accessible approach to systems analysis and design is suitable for computer science students on any introductory course, or for those coming from other disciplines with an interest in software development. The 'just-a-line' case study which runs throughout the book takes a clear line from systems design, through development to implementation and release and provides coverage of project management techniques and testing and crisis management. The book is supported by an Online Learning Centre with many resources for students and lecturers. - The well-established and highly regarded presentation and writing style is clear and compelling for both the student and the lecturer. - There are many examples and exercises, especially in areas often found challenging, like normalisation. -

Proven approaches for achieving real productivity gains in any organization

Emerging Innovations in Agile Software Development

Implementing Neural Networks, Genetic Algorithms, and Neuroevolution

Lean-Agile Software Development

Agile for Project Managers

Software System Development

Software Engineering for Resilient Systems

System engineers and software developers alike will find this book's toolbox approach provides the most accessible introduction to software development. Taking the reader step by step through the software development process, this guide combines the theoretical and practical aspects of both traditional structured analysis techniques and more recent approaches such as CASE tools and formal notations. Being able to fit design into the Agile software development processes is an important skill in today's market. There are many ways for a UX team to succeed (and fail) at being Agile. This book provides you with the tools you need to determine what Agile UX means for you. It includes practical examples and case studies, as well as real-life factors to consider while navigating the Agile UX waters. You'll learn about what contributes to your team's success, and which factors to consider when determining the best path for getting there. After reading this book, you'll have the knowledge to improve your software and product development with Agile processes quickly and easily. Includes hands on, real-world examples to illustrate the successes and common pitfalls of Agile UX Introduces practical techniques that can be used on your next project Details how to incorporate user experience design into your company's agile software/product process

Discover what is involved with Agile and Lean Software Development, Scrum, Extreme Programming, Lean

and Kanban Learning new software development processes can be difficult, but switching to Agile and Lean doesn't need to be complicated. Explore the theories behind Agile and Lean Software Development, and learn how to make it work for you. In a Gentle Introduction to Agile and Lean Software Development, author Stephen Haunts will guide you to a fuller understanding of Agile, Scrum, Extreme Programming, Lean, and Kanban. You will learn about the advantages and disadvantages, and how to get the most out of it. In this book you will learn... Introduction Waterfall Development and its Problems What is Agile? Common Agile Misconceptions and Mistakes Advantages and Disadvantages Extreme Programming (XP) Scrum Lean Manufacturing Lean Software Development Applying Lean Software Development? Agile Software Development vs. Lean Software Development Software Practices to Support Lean Kanban About the Author Stephen Haunts has been a professional software and applications developer since 1996 and as a hobby since he was 10. Stephen has worked in many different industries including computer games, online banking, retail finance, healthcare & pharmaceuticals and insurance. Stephen started programming in BASIC on machines such as the Dragon 32, Vic 20 and the Amiga and moved onto C and C++ on the IBM PC. Stephen has been developing software in C# and the .NET framework since first being introduced to it in 2003. As well as being an accomplished software developer, Stephen is also an experienced development leader and has led, mentored and coached teams to deliver many high-value, high-impact solutions in finance and healthcare. Outside of Stephen's day job, he is also an experienced tech blogger who runs a popular blog called Coding in the Trenches at <http://www.stephenhaunts.com/>, and he is also a training course author for the popular online training company Pluralsight. Stephen also runs several open source projects including SafePad, Text Shredder, Block Encryptor, and Smoke Tester-the post-deployment testing tool.

Delve deep into the various technical practices, principles, and values of Agile. Key Features Discover the essence of Agile software development and the key principles of software design Explore the fundamental practices of Agile working, including test-driven development (TDD), refactoring, pair programming, and continuous integration Learn and apply the four elements of simple design Book Description The number of popular technical practices has grown exponentially in the last few years. Learning the common fundamental software development practices can help you become a better programmer. This book uses the term Agile as a wide umbrella and covers Agile principles and practices, as well as most methodologies associated with it. You'll begin by discovering how driver-navigator, chess clock, and other techniques used in the pair programming approach introduce discipline while writing code. You'll then learn to safely change the design of your code using refactoring. While learning these techniques, you'll also explore various best practices to write efficient tests. The concluding chapters of the book delve deep into the SOLID principles - the five design principles that you can use to make your software more understandable, flexible and maintainable. By the end of the book, you will have discovered new ideas for improving your software design skills, the relationship within your team, and the way your business works. What you will learn Learn the red, green, refactor cycle of classic TDD and practice the best habits such as the rule of 3, triangulation, object calisthenics, and more Refactor using parallel change and improve legacy code with characterization tests, approval tests, and Golden Master Use code smells as feedback to improve your design Learn the double cycle of ATDD and the outside-in mindset using mocks and stubs correctly in your tests Understand how Coupling, Cohesion, Connascence, SOLID principles, and code smells are all related Improve the understanding of your business domain using BDD and other principles for "doing the right thing, not only the thing right" Who this book is for This book is designed for software developers looking to improve their technical practices. Software coaches may also find it helpful as a teaching reference manual. This is not a beginner's book on how to program. You must be comfortable with at least one programming language and must be able to write unit tests using any unit testing framework.

Software Systems Development

A Practitioner's Guide to Making it Work for Agile Software Development

Agile Risk Management

A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide-Sixth Edition / Agile Practice Guide Bundle (HINDI)

Agile Productivity Unleashed

4th Conference on Extreme Programming and Agile Methods, Calgary, Canada, August 15-18, 2004, Proceedings

PRINCE2 Agile: An Implementation Pocket Guide is an official AXELOS-licensed guide that explains the PRINCE2 Agile framework in clear business language with practical guidance on how to implement this framework for any project in your organisation. It is ideal for those who need a readily available reference source to supplement the official AXELOS PRINCE2 Agile guide.

Summary Kanban in Action is a down-to-earth, no-frills, get-to-know-the-ropes introduction to kanban. It's based on the real-world experience and observations from two kanban coaches who have introduced this process to dozens of teams. You'll learn the principles of why kanban works, as well as nitty-gritty details like how to use different color stickies on a kanban board to help you organize and track your work items. About the Book Too much work and too little time? If this is daily life for your team, you need kanban, a lean knowledge-management method designed to involve all team members in continuous improvement of your process. Kanban in Action is a practical introduction to kanban. Written by two kanban coaches who have taught the method to dozens of teams, the book covers techniques for planning and forecasting, establishing meaningful metrics, visualizing queues and bottlenecks, and constructing and using a kanban board. Written for all members of the development team, including leaders, coders, and business stakeholders. No experience with kanban is required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside How to focus on work in process and finish faster Examples of successful implementations How team members can make informed decisions About the Authors Marcus

Hammarberg is a kanban coach and software developer with experience in BDD, TDD, Specification by Example, Scrum, and XP. Joakim Sundén is an agile coach at Spotify who cofounded the first kanban user groups in Europe.
Table of Contents PART 1 LEARNING KANBAN Team Kanbaneros gets started PART 2 UNDERSTANDING KANBAN Kanban principles Visualizing your work Work items Work in process Limiting work in process Managing flow PART 3 ADVANCED KANBAN Classes of service Planning and estimating Process improvement Using metrics to guide improvements Kanban pitfalls Teaching kanban through games

Now in its second edition, *The Power of the Agile Business Analyst* has expanded to include new Agile methods that have emerged or gained prominence since the first edition. Buy this book to learn how to revolutionise your Agile development and increase the value and relevancy of your project outcomes. Learn 30 realistic, achievable ways that an Agile business analyst can increase project efficiency, add value and improve quality. Find out how an Agile business analyst bridges the gap between the needs of the business and the resources of the development team. Now updated with current Agile methods, to support emerging and established business analysts to adapt to new trends. 30 ways an Agile business analyst can help Drawing on her extensive experience, Jamie proposes a new role for Agile projects: The Agile business analyst. She details 30 achievable ways that such a role will increase relevance, quality and overall business value, and provide business users with crucial support. The Agile business analyst is also a boon to the development team, being a ready source of business knowledge and ensuring that project outcomes align with requirements. This book has been updated to: Incorporate behaviour-driven development into the work that the business analyst does to support interface design; Align the programme management strategies of the Scaled Agile Framework (SAFe) to encourage cross-organisational communication and participation; Include full updates throughout the Qualifications section in 'Getting the Right Agile Business Analyst for Your Team'; and Provide Agile updates, bringing the book back into line with current methods. Support your Agile business user for better project outcomes.

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?

Kanban in Action

A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide—Sixth Edition / Agile Practice Guide Bundle

A Gentle Introduction to Effective Computing in Quantitative Research

Scaling Scrum Across Modern Enterprises

Data Management: a gentle introduction

A learning journey in technical practices and principles of software design

A Gentle Introduction to Lean Software Development

Agile: An Executive Guide describes Agile methods in clear business language specifically written for professionals. It will help you make realistic business-driven decisions on whether Agile methods are appropriate for your organisation; whether you are looking to reduce your IT overheads, provide better software solutions to your clients, or have more control over your IT expenditures. This guide provides practical, proven ways to introduce, incorporate and leverage Agile methods to maximise your business returns.

This work is the definitive guide for IT managers and agile practitioners. It elucidates the principles of agile risk management and how these relate to individual projects. Explained in clear and concise terms, this synthesis of project risk management and agile techniques is illustrated using the major methodologies such as XP, Scrum and DSDM. Although the agile community frequently cites risk management, research suggests that risk is often narrowly defined and, at best, implicitly treated, which in turn leads to an inability to make informed decisions concerning risk and reward and a poor understanding of when to engage in risk-related activities. Moreover, the absence of reference to enterprise risk management means that project managers are unable to clearly articulate scope or tailor their projects in line with the wider expectations of the organisation. Yet the agile approach, with its rich toolset of techniques, is very well equipped to effectively and efficiently deal with the risks that arise in projects. Alan Moran addresses the above issues by proposing an agile risk-management process derived from classical risk management but adapted to the circumstances of agile projects. Though his main focus is on the software development process, much of what he describes could be applied to other types of IT projects as well. This book is intended for anyone who is serious about balancing risk and reward in the

pursuit of value for their stakeholders, and in particular for those directly involved in agile software development who share a concern for how risk should be managed. Whilst a thorough background in risk management is not presumed, a basic level of familiarity with or exposure to agility is helpful. In *The ART of Avoiding a Train Wreck*, Em and Adrienne share their "trade secrets" for launching and operating powerful and effective Agile Release Trains. There's a lot at stake when launching an Agile Release Train. When taking on an Enterprise Lean-Agile Transformation you only get one shot at a first impression. Runaway trains are expensive. Money gets wasted, time gets lost and the reputational damage can take years to repair. Going well beyond the standard SAFe training, this book deep dives into the practical tips and tricks that only over 15 years of combined real world experience can teach. You will learn how to get a ticket on the SAFe railway, load the cargo on your train, set the timetable, SAFely board and stay on the tracks. No matter your context, you are sure to find plenty of actionable ideas for launching and operating Agile Release Trains.

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 Griefer, 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, LithSpeed 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*

Step-by-step advice for every project type

Improve IT value stream delivery with a proven VSM methodology to compete in the digital economy ...in an imperfect world

The Power of the Agile Business Analyst, second edition

Achieving Enterprise Agility

Coaching Agile Teams

PRINCE2 Agile An Implementation Pocket Guide

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.

A Gentle Introduction to Agile Software Development

Discover what is involved with Lean Software Development and Kanban so that you can more efficiently deliver software to your customers Incorporating Lean Manufacturing and Lean IT principles and practices are essential to delivering software to your customers quickly and easily. This book, *A Gentle Introduction to Lean Software Development*, will help you understand how the lean principles can be applied to software development, *Lean Software Architecture and Lean Software Strategies*, so that you can more efficiently deliver software to your customers. In this book you will learn about... *Lean Manufacturing Lean Software Development Applying Lean Software Development? Agile Software Development vs. Lean Software Development Software Practices to Support Lean Kanban About the Author Stephen Haunts is an experienced software developer with a focus on Microsoft .NET technologies and security for back-end enterprise systems. Stephen is also a Pluralsight Author, blogger at www.stephenhaunts.com, writer and international conference speaker at events like NDC London, NDC Oslo, NDC Sydney, Techorama and SDD Conf. Stephen also runs a user group called Derbyshire Dot Net in the UK.*

*Adapting Configuration Management for Agile Teams provides very tangible approaches on how Configuration Management with its practices and infrastructure can be adapted and managed in order to directly benefit agile teams. Written by Mario E. Moreira, author of *Software Configuration Management Implementation Roadmap*, columnist for CM Crossroads online community and writer for the Agile Journal, this unique book provides concrete guidance on tailoring CM for Agile projects without sacrificing the principles of Configuration Management.*

Managing Agile

A Gentle Introduction to Agile Software Development

How to get Agile results in a less-than-agile organization

What Every Research Assistant Should Know

Lean Architecture

5th International Workshop, SERENE 2013, Kiev, Ukraine, October 3-4, 2013, Proceedings

Creating Agile Business Systems with Reusable Knowledge

This book constitutes the refereed proceedings of the 5th International Workshop on Software Engineering for Resilient Systems, SERENE 2013, held in Kiev, Ukraine, in October 2013. The 13 revised full papers were carefully reviewed and selected from 21 submissions. The papers are organized in topical sections on resilient software and design, rigorous reasoning, applications, concepts, and analysis.

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.

A practical guide to implementing Value Stream Management to guide your strategic investments in DevOps capabilities and deliver customer-centric value quickly and economically **Key Features** Address DevOps implementation issues, including culture, toolchain costs, improving work and information flows, and product team alignment **Implement proven VSM methodology to improve IT value stream flows** Leverage VSM platforms to view, analyze, and improve end-to-end value delivery **Book Description** Value Stream Management (VSM) opens the door to maximizing your DevOps pipeline investments by improving flows and eliminating waste. VSM and DevOps together deliver value stream improvements across enterprises for a competitive advantage in the digital world. *Driving DevOps with Value Stream Management provides a comprehensive review and analysis of industry-proven VSM methods and tools to integrate, streamline, and orchestrate activities within a DevOps-oriented value stream. You'll start with an introduction to the concepts of delivering value and understand how VSM methods and tools support improved value delivery from a Lean production perspective. The book covers the complexities of implementing modern CI/CD and DevOps pipelines and then guides you through an eight-step VSM methodology with the help of a use case showing an Agile team's efforts to install a CI/CD pipeline. Free from marketing hype or vendor bias, this book presents the current VSM tool vendors and customer use cases that showcase their products' strengths. As you advance through the book, you'll learn four approaches to implementing a DevOps pipeline and get guidance on choosing the best fit. By the end of this VSM book, you'll be ready to develop and execute a plan to streamline your software delivery pipelines and improve your organization's value stream delivery. What you will learn* **Integrate Agile, systems thinking, and lean development to deliver customer-centric value** Find out how to choose the most appropriate value stream for your initial and follow-on VSM projects **Establish better flows with integrated, automated, and orchestrated DevOps and CI/CD pipelines** Apply a proven eight-step VSM methodology to drive lean IT value stream improvements **Discover the key strengths of modern VSM tools**

and their customer use case scenarios Understand how VSM drives DevOps pipeline improvements and value delivery transformations across enterprises Who this book is for This book will help corporate executives, managers, IT team members, and other stakeholders involved in digital business transformations to improve the flow of customer value through their IT-based value streams. It will provide you with the practical guidance you need while adopting Lean-Agile, Value Stream Management, and DevOps capabilities on an enterprise scale to enable business agility. A basic understanding of how CI/CD and DevOps pipelines improve software delivery capabilities via integrated and automated toolchains will help you to make the most of the book.

Cover classical algorithms commonly used as artificial intelligence techniques and program agile artificial intelligence applications using Pharo. This book takes a practical approach by presenting the implementation details to illustrate the numerous concepts it explains. Along the way, you'll learn neural net fundamentals to set you up for practical examples such as the traveling salesman problem and cover genetic algorithms including a fun zoomorphic creature example. Furthermore, Practical Agile AI with Pharo finishes with a data classification application and two game applications including a Pong-like game and a Flappy Bird-like game. This book is informative and fun, giving you source code to play along with. You'll be able to take this source code and apply it to your own projects. What You Will Learn Use neurons, neural networks, learning theory, and more Work with genetic algorithms Incorporate neural network principles when working towards neuroevolution Include neural network fundamentals when building three Pharo-based applications Who This Book Is For Coders and data scientists who are experienced programmers and have at least some prior experience with AI or deep learning. They may be new to Pharo programming, but some prior experience with it would be helpful.

Agile Service Development

Extreme Programming Pocket Guide

Balancing theory and practice

A Gentle Introduction

How to Design Innovative Products That Create Customer Value

Agile Product Development

JIRA Agile (formerly known as GreenHopper) is a plugin that adds agile project management to any JIRA project. It allows you to visualize your existing process and stimulate incremental improvement. JIRA Agile brings the power of agile methodology to Atlassian JIRA. With JIRA Agile Essentials you will dive straight into the action, exploring critical agile terminologies and concepts in the context of JIRA Agile. Learn to install and run JIRA Agile, and set it up to run with Scrum and Kanban. Collaborate with your colleagues to define requirements, create user stories, and manage and plan sprints based on the availability of your members. Create reports and share your project progress with other stakeholders. With this practical guide, you will develop a great working knowledge of JIRA Agile and make your project management much more efficient.

Agile Practice Guide – First Edition 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.

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.

More and more Agile projects are seeking architectural roots as they struggle with complexity and scale - and they're seeking lightweight ways to do it Still seeking? In this book the authors help you to find your own path Taking cues from Lean development, they can help steer your project toward practices with longstanding track records Up-front architecture? Sure. You can deliver an architecture as code that compiles and that concretely guides development without bogging it down in a mass of documents and guesses about the implementation Documentation? Even a whiteboard diagram, or a CRC card, is documentation: the goal isn't to avoid documentation, but to document just the right things in just the right amount Process? This all works within the frameworks of Scrum, XP, and other Agile approaches

ECRM 2019 18th European Conference on Research Methods in Business and Management

Agile Artificial Intelligence in Pharo

Becoming Agile

Agile User Experience Design

The Art of Avoiding a Train Wreck: Tips and Tricks for Launching Safe Agile Release Trains

Implement Scrum and Lean-Agile techniques across complex products, portfolios, and programs in large organizations

Balancing Sustainability and Speed

Economies around the globe have evolved into being largely service-oriented economies.

Consumers no longer just want a printer or a car, they rather ask for a printing service or a mobility service. In addition, service-oriented organizations increasingly exploit new devices, technologies and infrastructures. Agility is the ability to deal with such changing requirements and environments. Agile ways of working embrace change as a positive force and harness it to the organization's competitive advantage. The approach described in this book focuses on the notion of a service as a piece of functionality that offers value to its customers. Instead of solely looking at agility in the context of system or software development, agility is approached in a broader context. The authors illustrate three kinds of agility that can be found in an agile enterprise: business, process and system agility. These three types of agility reinforce each other and establish the foundation for the agile enterprise. Architecture, patterns, models, and all of the best practices in system development contribute to agile service development and building agile applications. This book addresses two audiences. On the one hand, it aims at agile and architecture practitioners who are looking for more agile ways of working in designing and building business services or who are interested in extending and improving their agile methods by using models and model-based architectures. On the other hand, it addresses students of (enterprise) architecture and software development or service science courses, both in computer science and in business administration.

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.

A practical guide to using modern software effectively in quantitative research in the social and natural sciences. This book offers a practical guide to the computational methods at the heart of most modern quantitative research. It will be essential reading for research assistants needing hands-on experience; students entering PhD programs in business, economics, and other social or natural sciences; and those seeking quantitative jobs in industry. No background in computer science is assumed; a learner need only have a computer with access to the Internet. Using the example as its principal pedagogical device, the book offers tried-and-true prototypes that illustrate many important computational tasks required in quantitative research. The best way to use the book is to read it at the computer keyboard and learn by doing. The book begins by introducing basic skills: how to use the operating system, how to organize data, and how to complete simple programming tasks. For its demonstrations, the book uses a UNIX-based operating system and a set of free software tools: the scripting language Python for programming tasks; the database management system SQLite; and the freely available R for statistical computing and graphics. The book goes on to describe particular tasks: analyzing data, implementing commonly used numerical and simulation methods, and creating extensions to Python to reduce cycle time. Finally, the book describes the use of LaTeX, a document markup language and preparation system.

Agility and innovation are necessary to achieve global excellence and customer value in twenty-first century business; yet most approaches to business process engineering sacrifice these in favor of operational efficiency and economics. Moreover, the IT systems used to automate and encapsulate business processes are unresponsive to the dynamic business environment. Mitra and Gupta provide insight to close this gap - showing how innovation can be systematized with normalized patterns of information, how business processes and information systems may be tightly aligned, and how these processes and systems can be designed to automatically adapt to change by reconfiguring shared patterns of knowledge. A modular approach to building business systems that parallels that of object oriented software is presented. Practical templates required for accelerating integration, analysis and design are provided. This book will appeal to consultants, analysts, and managers in IT as well as researchers and graduate

students in business, management and IT.

Driving DevOps with Value Stream Management

Strategy, Implementation, Organisation and People

A Gentle Introduction to Agile and Lean Software Development

Agile Technical Practices Distilled

Agile: An Executive Guide

Real results from IT budgets

Agile Practice Guide (Hindi)

Should that delivery man be walking around the office unattended? Has someone just asked you to hold the door and you don't recognise them? Do you trust that person trying to befriend you in the bar next to the office? These are all potential social engineering plays against you by professional criminals. Social engineering is one of the biggest threats to our organizations today. Social engineers use manipulation techniques to coerce people into revealing secrets about our companies to allow attackers to gain access to critical systems. In this book, we will look at some of the techniques used in social engineering and look at how to guard yourself against them. We will cover subjects like: Information gathering Pretexting Elicitation Manipulation Personal mitigation techniques Corporate mitigation techniques About the Author Stephen Haunts is an experienced software developer with a focus on Microsoft .NET technologies and security for back-end enterprise systems. Stephen is also a Pluralsight Author, blogger at www.stephenhaunts.com, writer and international conference speaker at events like NDC London, NDC Oslo, NDC Sydney, Techorama and SDD Conf. Stephen also runs a user group called Derbyshire Dot Net in the UK.

Establish business agility in your organization by applying industry-proven scaling strategies from popular Scrum frameworks such as Scrum of Scrums (SoS), Scrum@Scale, Nexus, Large-Scale Scrum (LeSS), Disciplined Agile, and SAFe Key Features Learn how to be Agile at scale by implementing best practices Understand how Lean-Agile practices are incorporated in Disciplined Agile and the Scaled Agile Framework (SAFe) Customize Scrum and Lean-Agile practices to support portfolio and large product development needs Book Description Scaled Scrum and Lean-Agile practices provide essential strategies to address large and complex product development challenges not addressed in traditional Scrum. This Scrum/ Lean-Agile handbook provides a comprehensive review and analysis of industry-proven scaling strategies that enable business agility on an enterprise scale. Free of marketing hype or vendor bias, this book helps you decide which practices best fit your situation. You'll start with an introduction to Scrum as a lightweight software development framework and then explore common approaches to scaling it for more complex development scenarios. The book will then guide you through systems theory, lean development, and the application of holistic thinking to more complex software and system development activities. Throughout, you'll learn how to support multiple teams working in collaboration to develop large and complex products and explore how to manage cross-team integration, dependency, and synchronization issues. Later, you'll learn how to improve enterprise operational efficiency across value creation and value delivery activities, before discovering how to align product portfolio investments with corporate strategies. By the end of this Scrum book, you and your product teams will be able to get the most value out of Agile at scale, even in complex cyber-physical system development environments. What you will learn Understand the limitations of traditional Scrum practices Explore the roles and responsibilities in a scaled Scrum and Lean-Agile development environment Tailor your Scrum approach to support portfolio and large product development needs Apply systems thinking to evaluate the impacts of changes in the interdependent parts of a larger development and delivery system Scale Scrum practices at both the program and portfolio levels of management Understand how DevOps, test automation, and CI/CD capabilities help in scaling Scrum practices Who this book is for Executives, product owners, Scrum masters, development team members, and other stakeholders who need to learn how to scale Agile to support large, complex projects and large enterprise portfolios and programs will find this book useful. A basic understanding of the values and principles of Agile and the Scrum-based framework for Agile development practices is required before you get started with this Agile Scrum book.

Agile is a relatively recent methodology used in the development process of a project. Therefore, it is important to share new emerging knowledge with researchers and professionals interested in adopting an agile mindset. Emerging Innovations in Agile Software Development focuses on the use of agile methodologies to manage, design, develop, test and maintain software projects. Emphasizing research-based solutions for

contemporary software development, this publication is designed for use by software developers, researchers, and graduate-level students in software engineering and project management programs.

This book examines agile approaches from a management perspective by focusing on matters of strategy, implementation, organization and people. It examines the turbulence of the marketplace and business environment in order to identify what role agile management has to play in coping with such change and uncertainty. Based on observations, personal experience and extensive research, it clearly identifies the fabric of the agile organization, helping managers to become agile leaders in an uncertain world. The book opens with a broad survey of agile strategies, comparing and contrasting some of the major methodologies selected on the basis of where they lie on a continuum of ceremony and formality, ranging from the minimalist technique-driven and software engineering focused XP, to the pragmatic product-project paradigm that is Scrum and its scaled counterpart SAFe®, to the comparatively project-centric DSDM. Subsequently, the core of the book focuses on DSDM, owing to the method's comprehensive elaboration of program and project management practices. This work will chiefly be of interest to all those with decision-making authority within their organizations (e.g., senior managers, line managers, program, project and risk managers) and for whom topics such as strategy, finance, quality, governance and risk management constitute a daily aspect of their work. It will, however, also be of interest to those readers in advanced management or business administration courses (e.g., MBA, MSc), who wish to engage in the management of agile organizations and thus need to adapt their skills and knowledge accordingly.

JIRA Agile Essentials

A Companion for ScrumMasters, Agile Coaches, and Project Managers in Transition

Adapting Configuration Management for Agile Teams

30 surprising ways a business analyst can add value to your Agile development team

A Gentle Introduction to Social Engineering Attack and Prevention

Extreme Programming and Agile Methods - XP/Agile Universe 2004

Combining Adaptive Methods and Flexible Solutions

It was 1999 when Extreme Programming Explained was first published, making this year's event arguably the 5th anniversary of the birth of the XP/Agile movement in software development. Our fourth conference reflected the evolution and the learning that have occurred in these exciting 7ve years as agile practices have become part of the mainstream in software development. These pages are the proceedings of XP Agile Universe 2004, held in beautiful Calgary, gateway to the Canadian Rockies, in Alberta, Canada. Evident in the conference is the fact that our learning is still in its early stages. While at times overlooked, adaptation has been a core principle of agile software development since the earliest literature on the subject. The conference and these proceedings re- force that principle. Although some organizations are able to practice agile methods in the near-pure form, most are not, reflecting just how radically innovative these methods are to this day. Any innovation must coexist with an existing environment and agile software development is no different. There are numerous challenges confronting IT and software development organizations today, with many solutions pitched by a cadre of advocates. Be it CMM, offshoring, outsourcing, security, or one of many other current topics in the industry, teams using or transitioning to Extreme Programming and other agile practices must integrate with the rest of the organization in order to succeed. The papers here offer some of the latest experiences that teams are having in those efforts. XP Agile Universe 2004 consisted of workshops, tutorials, papers, panels, the Open Space session, the Educators' Symposium, keynotes, educational games and industry presentations.

The overall objective of this book is to show that data management is an exciting and valuable capability that is worth time and effort. More specifically it aims to achieve the following goals: 1. To give a "gentle" introduction to the field of DM by explaining and illustrating its core concepts, based on a mix of theory, practical frameworks such as TOGAF, ArchiMate, and DMBOK, as well as results from real-world assignments. 2. To offer guidance on how to build an effective DM capability in an organization. This is illustrated by various use cases, linked to the previously mentioned theoretical exploration as well as the stories of practitioners in the field. The primary target groups are: busy professionals who "are actively involved with managing data". The book is also aimed at (Bachelor's/ Master's) students with an interest in data management. The book is industry-agnostic and should be applicable in different industries such as government, finance, telecommunications etc. Typical roles for which this book is intended: data governance office/ council, data owners, data stewards, people involved with data governance (data governance board), enterprise architects, data architects, process managers, business analysts and IT analysts. The book is divided into three main parts: theory, practice, and closing remarks. Furthermore, the chapters are as short and to the point as possible and also make a clear distinction between the main text and the examples. If the reader is already familiar with the topic of a chapter, he/she can easily skip it and move on to the next.

Provides information on eXtreme programming, or XP, a software development methodology.

Everything you want to know about Agile