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More Effective Agile "\|\text{\text{\text{\text{offware Engineering for Agile Application Development Agile Software Development Agile Software Development Agile Software Engineering Agile Software Requirements User Stories Applied Research Anthology on Agile Software, Software Development, and Testing Agile Software Engineering Agile and Iterative Development Agile Software Development Agile Management for Software Engineering Lean Architecture Enterprise-Scale Agile Software Development Agile Software Development Agile Delivery Emerging Innovations in Agile Software Development Agile Software Engineering with Visual Studio The Business Value of Agile Software Methods Scaling Software Agility Extreme Programming and Agile Processes in Software Engineering \text{\text{\text{\text{offware Engineering minimal Miles}}}} Software Engineering Skills Agile Processes in Software Engineering and Extreme Programming Agile Software Development Agile Software Development Agile Software Development With JIRA Agile Software Construction Testing in Scrum Getting Started with Agile Processes in Software Engineering and Extreme Programming

Extreme Programming

2020-06-12

Software Engineering for Agile Application Development

2020-02-14

as the software industry continues to evolve professionals are continually searching for practices that can assist with the various problems and challenges in information technology it agile development has become a popular method of research in recent years due to its focus on adapting to change there are many factors that play into this process so success is no guarantee however combining agile development with other software engineering practices could lead to a high rate of success in problems that arise during the maintenance and development of computing technologies software engineering for agile application development is a collection of innovative research on the methods and implementation of adaptation practices in software development that improve the quality and performance of it products the presented materials combine theories from current empirical research results as well as practical experiences from real projects that provide insights into incorporating agile qualities into the architecture of the software so that the product adapts to changes and is easy to maintain while highlighting topics including continuous integration configuration management and business modeling this book is ideally designed for software engineers software developers engineers project managers it specialists data scientists computer science professionals researchers students and academics

Agile Software Development

2009-10-03

software development is moving towards a more agile and more flexible approach it turns out that the traditional waterfall model is not supportive in an environment where technical financial and strategic constraints are changing almost every day but what is agility what are today s major approaches and especially what is the impact of agile development principles on the development teams on project management and on software architects how can large enterprises become more agile and improve their business processes which have been existing since many many years what are the limitations of agility and what is the right balance between reliable structures and flexibility this book will give answers to these questions a strong emphasis will be on real life project examples which describe how development teams have moved from a waterfall model towards an agile software development approach

Agile Software Development

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 Management for Software Engineering

2003-09-17

a breakthrough approach to managing agile software development agile methods might just be the alternative to outsourcing however agile development must scale in scope and discipline to be acceptable in the boardrooms of the fortune 1000 in agile management for software engineering david j anderson shows managers how to apply management science to gain the full business benefits of agility through application of the focused approach taught by eli goldratt in his theory of constraints whether you re using xp scrum fdd or another agile approach you ll learn how to develop management discipline for all phases of the engineering process implement realistic financial and production metrics and focus on building software that delivers maximum customer value and outstanding business results coverage includes making the business case for agile methods practical tools and disciplines how to choose an agile method for your next project breakthrough application of critical chain project management and constraint driven control of the flow of value defines the four new roles for the agile manager in software projects and competitive it organizations whether you re a development manager project manager team leader or senior it executive this book will help you achieve all four of your most urgent challenges lower cost faster delivery improved quality and focused alignment with the business

Agile Software Requirements

2010-12-27

we need better approaches to understanding and managing software requirements and dean provides them in this book he draws ideas from three very useful intellectual pools classical management practices agile methods and lean product development by combining the strengths of these three approaches he has produced something that works better than any one in isolation from the foreword by don reinertsen president of reinertsen associates author of managing the design factory and leading expert on rapid product development effective requirements discovery and analysis is a critical best practice for serious application development until now however requirements and agile methods have rarely coexisted peacefully for many enterprises considering agile approaches the absence of effective and scalable agile requirements processes has been a showstopper for agile adoption in agile software requirements dean leffingwell shows exactly how to create effective requirements in agile environments part i presents the big picture of agile requirements in the enterprise and describes an overall process model for agile requirements at the project team program and portfolio levels part ii describes a simple and lightweight yet comprehensive model that agile project teams can use to manage requirements part iii shows how to develop agile requirements for complex systems that require the cooperation of multiple teams part iv guides enterprises in developing agile requirements for ever larger systems of systems application suites and product portfolios this book will help you leverage the benefits of agile without sacrificing the value of effective requirements discovery and analysis you II find proven solutions you can apply right now whether you re a software developer or tester executive project program manager architect or team leader

User Stories Applied

2004

offers a requirements process that saves time eliminates rework and leads directly to better software a great way to build software that meets users needs is to begin with user stories simple clear brief descriptions of functionality that will be valuable to real users the author provides you with a front to back blueprint for writing these user stories and weaving them into your development lifecycle you II learn what makes a great user story and what makes a bad one you II discover practical ways to gather user stories even when you can t speak with your users then once you ve compiled your user stories the author shows how to organize them prioritize them and use them for planning management and testing back cover

Research Anthology on Agile Software, Software Development, and Testing

2021-11-26

software development continues to be an ever evolving field as organizations require new and innovative programs that can be implemented to make processes more efficient productive and cost effective agile practices particularly have shown great benefits for improving the effectiveness of software development and its maintenance due to their ability to adapt to change it is integral to remain up to date with the most emerging tactics and techniques involved in the development of new and innovative software the research anthology on agile software development and testing is a comprehensive resource on the emerging trends of software development and testing this text discusses the newest developments in agile software and its usage spanning multiple industries featuring a collection of insights from diverse authors this research anthology offers international perspectives on agile software covering topics such as global software engineering knowledge management and product development this comprehensive resource is valuable to software developers software engineers computer engineers it directors students managers faculty researchers and academicians

Agile Software Engineering

2009-02-28

overview and goals the agile approach for software development has been applied more and more extensively since the mid nineties of the 20th century though there are only about ten years of accumulated experience using the agile approach it is currently conceived as one of the mainstream approaches for software development this book presents a complete software engineering course from the agile angle our intention is to present the agile approach in a holistic and compreh sive learning environment that fits both industry and academia and inspires the spirit of agile software development agile software engineering is reviewed in this book through the following three perspectives I the human perspective which includes cognitive and social aspects and refers to learning and interpersonal processes between teammates customers and management I the organizational perspective which includes managerial and cultural aspects and refers to software project management and control I the technological perspective which includes practical and technical aspects and refers to design testing and coding as well as to integration delivery and maintenance of software products specifically we explain and analyze how the explicit attention that agile software development gives these perspectives and their interconnections helps viii preface it cope with the challenges of software projects this multifaceted perspective on software development processes is reflected in this book among other ways by the chapter titles which specify dimensions of software development projects such as quality time abstraction and management rather than specific project stages phases or practices

Agile and Iterative Development

2004

this is the definitive guide for managers and students to agile and iteratived evelopment methods what they are how they work how to implement them and why they should

Agile Software Development

2010-05-26

agile software development has become an umbrella term for a number of changes in how software developers plan and coordinate their work how they communicate with customers and external stakeholders and how software development is organized in small medium and large companies from the telecom and healthcare sectors to games and interactive media still after a decade of research agile software development is the source of continued debate due to its multifaceted nature and insufficient synthesis of research results dingsøyr dybå and moe now present a comprehensive snapshot of the knowledge gained over many years of research by those working closely with or in the industry it shows the current state of research on agile software development through an introduction and ten invited contributions on the main research fields each written by renowned experts these chapters cover three main issues foundations and background of agile development agile methods in practice and principal challenges and new frontiers they show the important results in each subfield and in addition they explain what these results mean to practitioners as well as for future research in the field the book is aimed at reflective practitioners and researchers alike and it also can serve as the basis for graduate courses at universities

Agile Management for Software Engineering

2004

helps managers combat the biggest business complaints about software late doesn't deliver as promised over budget etc aids in selecting the most useful aspects of agile methods for a particular project learn to place software initiatives in close alignment with overall business goals

Lean Architecture

2011-01-06

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

Enterprise-Scale Agile Software Development

2009-11-18

enterprise scale agile software development is the collective sum of knowledge accumulated during the full scale transition of a 1400 person organization to agile development considered the largest implementation of agile development and scrum ever attempted anywhere in the world now james schiel a certified scrum trainer and member of the scrum alliance draws from his experience at the helm of that global four year project to guide you and your organization through the transition he lends his insight on how you can use scrum as an organizational framework and implement xp practices to define how software is written and tested he provides key information and tools to assess potential outcomes and then make the best corresponding choices in any given situation schiel sequences chapters to match typical developmental progression and in addition to practical guidance he provides a tool kit from which you can take ideas and select what works for you covering quality development practices based on iso 9001 which help you create consistently high quality software in a cost efficient manner this invaluable resource shows you how to improve project management practices and product quality assurance adopt new management methods and requirements involve your current customers in development while inviting new ones much more than a mere body of knowledge this volume goes beyond standardizing agile and scrum practices it breaks up the process into manageable tasks illustrating how to set the stage for the change plan it and then initiate it using the methods and information presented any organization should be able to achieve a nearly seamless transition to agile

Agile Software Development Ecosystems

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

Disciplined Agile Delivery

2012-05-31

master ibm s breakthrough dad process framework for succeeding with agile in large complex mission critical it projects it is widely recognized that moving from traditional to agile approaches to build software solutions is a critical source of competitive advantage mainstream agile approaches that are indeed suitable for small projects require significant tailoring for larger complex enterprise projects in disciplined agile delivery scott w ambler and mark lines introduce ibm s breakthrough disciplined agile delivery dad process framework which describes how to do this tailoring dad applies a more disciplined approach to agile development by

acknowledging and dealing with the realities and complexities of a portfolio of interdependent program initiatives ambler and lines show how to extend scrum with supplementary agile and lean strategies from agile modeling am extreme programming xp kanban unified process up and other proven methods to provide a hybrid approach that is adaptable to your organization s unique needs they candidly describe what practices work best why they work what the trade offs are and when to consider alternatives all within the context of your situation disciplined agile delivery addresses agile practices across the entire lifecycle from requirements architecture and development to delivery and governance the authors show how these best practice techniques fit together in an end to end process for successfully delivering large complex systems from project initiation through delivery coverage includes scaling agile for mission critical enterprise endeavors avoiding mistakes that drive poorly run agile projects to chaos effectively initiating an agile project transitioning as an individual to agile incrementally building consumable solutions deploying agile solutions into complex production environments leveraging devops architecture and other enterprise disciplines adapting your governance strategy for agile projects based on facts research and extensive experience this book will be an indispensable resource for every enterprise software leader and practitioner whether they re seeking to optimize their existing agile scrum process or improve the agility of an iterative process

Emerging Innovations in Agile Software Development

2016-01-26

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

Agile Software Engineering with Visual Studio

2012

originally published upper saddle river nj addison wesley 2006 under title software engineering with microsoft visual studio team system

The Business Value of Agile Software Methods

2009-10-15

whether to continue using traditional cost and benefit analysis methods such as systems and software engineering standards or to use a relatively new family of software development processes known as agile methods is one of most prevalent questions within the information technology field today since each family of methods has its strengths and weaknesses the question being raised by a growing number of executives and practitioners is which family of methods provides the greater business value and return on investment roi whereas traditional methods have been in use for many decades agile methods are still a new phenomenon and until now very little literature has existed on how to quantify the business value of agile methods in economic terms such as roi and net present value npv using cost of quality total cost of ownership and total life cycle cost parameters the business value of agile software methods offers a comprehensive methodology and introduces the industry s initial top down parametric models for quantifying the costs and benefits of using agile methods to create innovative software products

based on real world data it illustrates the first simple to use parametric models of real options for estimating the business value of agile methods since the inception of the nobel prize winning black scholes formulas numerous examples on how to estimate the costs benefits roi npv and real options of the major types of agile methods such as scrum extreme programming and crystal methods are also included in addition this reference provides the first comprehensive compilation of cost and benefit data on agile methods from an analysis of hundreds of research studies the business value of agile software methods shatters key myths and misconceptions surrounding the modern day phenomenon of agile methods for creating innovative software products it provides a complete business value comparison between traditional and agile methods the keys to maximizing the business value of any method are low costs and high benefits and the business value of agile methods when compared to traditional methods proves to be very impressive agile methods are a new model of project management that can be used to improve the success business value and roi of high risk and highly complex it projects in today s dynamic turbulent and highly uncertain marketplace if you are an executive manager scholar student consultant or practitioner currently on the fence you need to read this book

Scaling Software Agility

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 are 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

Extreme Programming and Agile Processes in Software Engineering

2006-06-09

this book constitutes the refereed proceedings of the 7th international conference on extreme programming and agile processes in software engineering xp 2006 held in oulu finland june 2006 the book presents 16 revised full papers together with 6 experience papers 12 poster papers and panel summaries organized in topical sections on foundation and rationale for agile methods effects of pair programming quality in agile software development and more



2008-06

_______software development_jolt award___

Succeeding with Agile

2009-10-20

proven 100 practical guidance for making scrum and agile work in any organization this is the definitive realistic actionable guide to starting fast with scrum and agile and then succeeding over the long haul leading agile consultant and practitioner mike cohn presents detailed recommendations powerful tips and real world case studies drawn from his unparalleled experience helping hundreds of software organizations make scrum and agile work succeeding with agile is for pragmatic software professionals who want real answers to the most difficult challenges they face in implementing scrum cohn covers every facet of the transition getting started helping individuals transition to new roles structuring teams scaling up working with a distributed team and finally implementing effective metrics and continuous improvement throughout cohn presents things to try now sections based on his most successful advice complementary objection sections reproduce typical conversations with those resisting change and offer practical guidance for addressing their concerns coverage includes practical ways to get started immediately and get good fast overcoming individual resistance to the changes scrum requires staffing scrum projects and building effective teams establishing improvement communities of people who are passionate about driving change choosing which agile technical practices to use or experiment with leading self organizing teams making the most of scrum sprints planning and quality techniques scaling scrum to distributed multiteam projects using scrum on projects with complex sequential processes or challenging compliance and governance requirements understanding scrum s impact on hr facilities and project management whether you ve completed a few sprints or multiple agile projects and whatever your role manager developer coach scrummaster product owner analyst team lead or project lead this book will help you succeed with your very next project then it will help you go much further it will help you transform your enti

Agile Software Engineering Skills

2023-04-14

this textbook is about working in teams to create functioning software it covers skills in agile software development methods team working version control and continuous integration and shows readers how to apply some of the latest ideas from lean agile and kanban part i which focuses on people describes various project roles and the skills needed to perform each role this includes members of self organizing teams scrum masters product owners and activities for managing other stakeholders the skills needed to create product artefacts are detailed in part ii these include skills to create agile requirements architectures designs as well as development and security artefacts the agile development process to coordinate with co workers is described in part iii it introduces the skills needed to facilitate an incremental process and to use software tools for version control and automated testing eventually some more advanced topics are explained in part iv these topics include large projects comprising multiple cooperating teams automating deployment cloud software services devops and evolving live systems this textbook addresses significant competencies in the ieee acm computing curricula task force 2020 it includes nearly 100 exercises for trying out and applying the skills needed

for agile software development hints tips and further advice about tackling the exercises are presented at the end of each chapter and a case study project with downloadable source code from an online repository integrates the skills learned across the chapters in addition further example software projects are also available there this way the book provides a hands on guide to working on a development project as part of a team and is inspired by the needs of early career practitioners as well as undergraduate software engineering and computer science students

Agile Processes in Software Engineering and Extreme Programming

2015-05-15

this book contains the refereed proceedings of the 16th international conference on agile software development xp 2015 held in helsinki finland in may 2015 while agile development has already become mainstream in industry this field is still constantly evolving and continues to spur an enormous interest both in industry and academia the xp conference series has always played and continues to play an important role in connecting the academic and practitioner communities providing a forum for both formal and informal sharing and development of ideas experiences and opinions the theme of xp 2015 delivering value moving from cyclic to continuous value delivery reflects the modern trend towards organizations that are simultaneously very efficient and flexible in software development and delivery the 15 full and 7 short papers accepted for xp 2015 were selected from 44 submissions all of the submitted papers went through a rigorous peer review process additionally 11 experience reports were selected from 45 proposals and in each case the authors were shepherded by an experienced researcher

Agile Software Development

2023-02-09

agile software development a unique title that introduces the whole range of agile software development processes from the fundamental concepts to the highest levels of applications such as requirement analysis software testing quality assurance and risk management agile software development asd has become a popular technology because its methods apply to any programming paradigm it is important in the software development process because it emphasizes incremental delivery team collaboration continuous planning and learning over delivering everything at once near the end agile has gained popularity as a result of its use of various frameworks methods and techniques to improve software quality scrum is a major agile framework that has been widely adopted by the software development community metaheuristic techniques have been used in the agile software development process to improve software quality and reliability these techniques not only improve quality and reliability but also test cases resulting in cost effective and time effective software however many significant research challenges must be addressed to put such asd capabilities into practice with the use of diverse techniques guiding principles artificial intelligence soft computing and machine learning this book seeks to study theoretical and technological research findings on all facets of asd also it sheds light on the latest trends challenges and applications in the area of asd this book explores the theoretical as well as the technical research outcomes on all the aspects of agile software development by using various methods principles artificial intelligence soft computing and machine learning audience the book is designed for computer scientists and software engineers both in research and industry graduate and postgraduate students will find the book accessible as well

Agile Software Architecture

2013-11-27

agile software development approaches have had significant impact on industrial software development practices today agile software development has penetrated to most it companies across the globe with an intention to increase quality productivity and profitability comprehensive knowledge is needed to understand the architectural challenges involved in adopting and using agile approaches and industrial practices to deal with the development of large architecturally challenging systems in an agile way agile software architecture focuses on gaps in the requirements of applying architecture centric approaches and principles of agile software development and demystifies the agile architecture paradox readers will learn how agile and architectural cultures can co exist and support each other according to the context moreover this book will also provide useful leads for future research in architecture and agile to bridge such gaps by developing appropriate approaches that incorporate architecturally sound practices in agile methods presents a consolidated view of the state of art and state of practice as well as the newest research findings identifies gaps in the requirements of applying architecture centric approaches and principles of agile software development and demystifies the agile architecture paradox explains whether or not and how agile and architectural cultures can co exist and support each other depending upon the context provides useful leads for future research in both architecture and agile to bridge such gaps by developing appropriate approaches which incorporate architecturally sound practices in agile methods

Agile Software Development

2006-10-19

agile software development is a highly stimulating and rich book the author has a deep background and gives us a tour de force of the emerging agile methods tom gilb the agile model of software development has taken the world by storm now in agile software development second edition one of agile s leading pioneers updates his jolt productivity award winning book to reflect all that s been learned about agile development since its original introduction alistair cockburn begins by updating his powerful model of software development as a cooperative game of invention and communication among the new ideas he introduces harnessing competition without damaging collaboration learning lessons from lean manufacturing and balancing strategies for communication cockburn also explains how the cooperative game is played in business and on engineering projects not just software development next he systematically illuminates the agile model shows how it has evolved and answers the questions developers and project managers ask most often including where does agile development fit in our organization how do we blend agile ideas with other ideas how do we extend agile ideas more broadly cockburn takes on crucial misconceptions that cause agile projects to fail for example you Il learn why encoding project management strategies into fixed processes can lead to ineffective strategy decisions and costly mistakes you Il also find a thoughtful discussion of the controversial relationship between agile methods and user experience design cockburn turns to the practical challenges of constructing agile methodologies for your own teams you Il learn how to tune and continuously reinvent your methodologies and how to manage incomplete communication this edition contains important new contributions on these and other topics agile and cmmi introducing agile from the top down revisiting custom contracts creating change with stickers in addition cockburn updates his discussion of the crystal methodologies which utilize his cooperative game as

Agile Software Development with Scrum

2002

arguably the most important book about managing technology and systems development efforts this book describes building systems using the deceptively simple process scrum readers will come to understand a new approach to systems development projects that cuts through the complexity and ambiguity of complex

emergent requirements and unstable technology to iteratively and quickly produce quality software benefits learn how to immediately start producing software incrementally regardless of existing engineering practices or methodologies learn how to simplify the implementation of agile processes learn how to simplify xp implementation through a scrum wrapper learn why agile processes work and how to manage them understand the theoretical underpinnings of agile processes

The The Agile Developer's Handbook

2018-02-27

agile software development helps to minimize the risk of failure in product development as it enables you to quickly adapt to the changing environment and the varying needs of your customers by improving your communication and collaboration skills

Hands-On Agile Software Development with JIRA

2018-07-30

plan track and release great software key features learn to create reports and dashboard for effective project management implement your development strategy in jira practices to help you manage the issues in the development team book description as teams scale in size project management can get very complicated one of the best tools to deal with this kind of problem is jira this book will start by organizing your project requirements and the principles of agile development to get you started you will then be introduced to set up a jira account and the jira ecosystem to help you implement a dashboard for your team s work and issues you will learn how to manage any issues and bugs that might emerge in the development stage going ahead the book will help you build reports and use them to plan the releases based on the study of the reports towards the end you will come across working with the gathered data and create a dashboard that helps you track the project s development what you will learn create your first project and manage existing projects in jira manage your board view and backlogs in jira run a scrum sprint project in jira create reports including topic based reports forecast using versions search for issues with jira query language jql execute bulk changes to issues create custom filters dashboards and widgets create epics stories bugs and tasks who this book is for this book is for administrators who wants to apply the agile approach to managing the issues bugs and releases in their software development projects using jira

Agile Software Construction

2006-02-28

introduces the core concepts evaluates how successful they can be as well as what problems may be encountered dispels numerous myths surrounding agile development

Testing in Scrum

2014-03-28

these days more and more software development projects are being carried out using agile methods like scrum agile software development promises higher software quality a shorter time to market and improved focus on customer needs however the transition to working within an agile methodology is not easy familiar processes and procedures change drastically software testing and software quality assurance have a crucial role in ensuring that a software development team department or company successfully implements long term agile development methods and benefits from this framework this book discusses agile methodology from the perspective of software testing and software quality assurance management software development managers project managers and quality assurance managers will obtain tips and tricks on how to organize testing and assure quality so that agile projects maintain their impact professional certified testers and software quality assurance experts will learn how to work successfully within agile software teams and how best to integrate their expertise topics include agile methodology and classic process models how to plan an agile project unit tests and test first approach integration testing and continuous integration system testing and test nonstop quality management and quality assurance also included are five case studies from the manufacturing online trade and software industry as well as test exercises for self assessment this book covers the new istqb syllabus for agile software testing and is a relevant resource for all students and trainees worldwide who plan to undertake this istqb certification

Getting Started with Agile Software Development

2016-02-03

this title is one of the essentials it books published by technet publications limited this book is a very helpful practical guide for beginners in the topic which can be used as a learning material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource we hope you find this book useful in shaping your future career

Agile

2020-07-02

leading an agile team calls for unexpected changes and typical project management tactics you simply can t approach an agile project with the same mentality as you usually use agile teams are self organized self directing and lack a hierarchical structure that often defines project management but even with the lack of common elements you can be a team leader and guide your project to success even if you re not familiar with coding or software development understanding the agile manifesto and the basics of agile project management you can be a valued part of the team within this book you Il learn the principles of agile development different methods to guide your team toward success how to keep team members accountable your role within the agile team and how to best act as a leader how to address conflict and tension within your team valuable tools to use to help your team communicate clearly and collaborate effectively how to manage the events that drive agile projects managing an agile project can go smoothly if you use the principles and constructs of an agile team the way they were intended some modern tools have made that even easier but you Il always need to have a grip on the human element of team management as well by expanding your knowledge of agile you can balance the importance of people the usefulness of tools and the value of the principles laid out in the agile manifesto

Agile Software Development

2003

section 1 agile development section 2 agile design section 3 the payroll case study section 4 packaging the payroll system section 5 the weather station case study section 6 the ets case study

Lean Software Development

2003-05-08

lean software development an agile toolkit adapting agile practices to your development organization uncovering and eradicating waste throughout the software development lifecycle practical techniques for every development manager project manager and technical leader lean software development applying agile principles to your organization in lean software development mary and tom poppendieck identify seven fundamental lean principles adapt them for the world of software development and show how they can serve as the foundation for agile development approaches that work along the way they introduce 22 thinking tools that can help you customize the right agile practices for any environment better cheaper faster software development you can have all three if you adopt the same lean principles that have already revolutionized manufacturing logistics and product development iterating towards excellence software development as an exercise in discovery managing uncertainty decide as late as possible by building change into the system compressing the value stream rapid development feedback and improvement empowering teams and individuals without compromising coordination software with integrity promoting coherence usability fitness maintainability and adaptability how to see the whole even when your developers are scattered across multiple locations and contractors simply put lean software development helps you refocus development on value flow and people so you can achieve breakthrough quality savings speed and business alignment

Agile Software Development in the Large

2013-07-19

this is the digital version of the printed book copyright 2004 who says large teams can t handle agile software development agile or lightweight processes have revolutionized the software development industry they re faster and more efficient than traditional software development processes they enable developers to embrace requirement changes during the project deliver working software in frequent iterations focus on the human factor in software development unfortunately most agile processes are designed for small or mid sized software development projects bad news for large teams that have to deal with rapid changes to requirements that means all large teams with agile software development in the large jutta eckstein a leading speaker and consultant in the agile community shows how to scale agile processes to teams of up to 200 the same techniques are also relevant to teams of as few as 10 developers especially within large organizations topics include the agile value system as used in large teams the impact of a switch to agile processes the agile coordination of several sub teams the way project size and team size influence the underlying architecture stop getting frustrated with inflexible processes that cripple your large projects use this book to harness the efficiency and adaptability of agile software development

Practices of an Agile Developer

2006-04-04

these are the proven effective agile practices that will make you a better developer you II learn pragmatic ways of approaching the development process and your personal coding techniques you II learn about your own attitudes issues with working on a team and how to best manage your learning all in an iterative incremental agile style you II see how to apply each practice and what benefits you can expect bottom line this book will make you a better developer

Agile Processes in Software Engineering and Extreme Programming

2019-05-11

this open access book constitutes the proceedings of the 20th international conference on agile software development xp 2019 held in montreal qc canada in may 2019 xp is the premier agile software development conference combining research and practice it is a hybrid forum where agile researchers academics practitioners thought leaders coaches and trainers get together to present and discuss their most recent innovations research results experiences concerns challenges and trends following this history for both researchers and seasoned practitioners xp 2019 provided an informal environment to network share and discover trends in agile for the next 20 years the 15 full papers presented in this volume were carefully reviewed and selected from 45 submissions they were organized in topical sections named agile adoption agile practices large scale agile agility beyond it and the future of agile

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