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# Mastering Software Project Management Best Practices Tools And Techniques

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Sundara Kaanda of Maha Rushi Vaalmiki

Mastering the Requirements Process

Computer Programming for Beginners

Mastering Software Project Requirements

Business Processes for Business Communities

Requirements Engineering and Management for Software Development Projects

Mastering Project Management

Бизнес-процессы: Языки моделирования, методы, инструменты

Mastering Project Management

Mastering the Requirements Process

Software Project Survival Guide

Mastering IT Project Management

Mastering Project Portfolio Management

Art of Project Management

Software Project Survival Guide

Mastering Redmine

MEMS Product Engineering

Project Management of Large Software-Intensive Systems

Project Management

The IFPUG Guide to IT and Software Measurement

Mastering Software Quality Assurance

Data Science Thinking

Mastering IT Project Management

Project Management  
Mastering Software Project Management  
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Foundations of Software Engineering  
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## **PATRICK RANDOLPH**

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Sundara Kaanda of Maha Rushi Vaalmiki  
Addison-Wesley

The book describes how to manage and successfully deliver large, complex, and expensive systems that can be composed of millions of line of software code, being developed by numerous groups

throughout the globe, that interface with many hardware items being developed by geographically dispersed companies, where the system also includes people, policies, constraints, regulations, and a myriad of other factors. It focuses on how to seamlessly integrate systems, satisfy the customer's requirements, and deliver within the budget and on time. The guide is essentially a "shopping list" of all the activities that could be conducted with tailoring guidelines to meet the needs of

each project.

*Mastering the Requirements Process*  
Pearson Education

A comprehensive, practical book on software management that dispels real-world issues through relevant case studies. Software managers inevitably will meet obstacles while trying to deliver quality products and provide value to customers, often with tight time restrictions. The result: *Software War Stories*. This book provides readers with practical advice on

how to handle the many issues that can arise as a software project unfolds. It utilizes case studies that focus on what can be done to establish and meet reasonable expectations as they occur in government, industrial, and academic settings. The book also offers important discussions on both traditional and agile methods as well as lean development concepts. **Software War Stories: Covers the basics of management as applied to situations ranging from agile projects to large IT projects with infrastructure problems** Includes coverage of topics ranging from planning, estimating, and organizing to risk and opportunity management Uses twelve case studies to communicate lessons learned by the author in practice Offers end-of-chapter exercises, sample solutions, and a blog for providing updates and answers to readers' questions **Software War Stories: Case Studies in Software Management** mentors practitioners, software engineers, students and more, providing relevant situational examples encountered when managing software projects and organizations. **Computer Programming for Beginners** J. Ross Publishing

This volume constitutes the refereed proceedings of the 20th EuroSPI conference, held in Dundalk, Ireland, in June 2013. The 31 revised papers presented in this volume were carefully reviewed and selected. They are organized in topical sections on SPI Safety and Regulation Issues; SPI Lifecycle and Models; SPI Quality and Testing Issues; SPI Networks and Teams; SPI and Reference Models; SPI Implementation; Agile organisations and an agile management process group; Managing Diversity and Innovation; SPI and Measurement; Risk Management and Functional Safety Standards.

**Mastering Software Project Requirements** Springer Science & Business Media  
Project management software.

**Business Processes for Business Communities** Springer  
Weshalb verschieben sich Release-Termine ständig? Warum funktioniert die Team-Kommunikation zwischen Designern, Entwicklern und Marketing nicht? Wie kommt man auf wirklich kreative Ideen? Und was tun, wenn etwas schief geht? Wenn Sie sich Fragen wie

diese schon oft gestellt haben – Scott Berkun hat die Antworten für Sie. Mit Humor und scharfem Blick beleuchtet der erfahrene Autor und Projektmanager die klassischen Aufgaben, Herausforderungen und Mechanismen des IT-Projektmanagements. Von der fachkundigen Planung über die zielgerichtete Team-Kommunikation bis hin zum erfolgreichen Projektabschluss – hier erhalten Sie kompetente Einblicke in die Realität der Projektleitung. Projekte realistisch planen Entdecken Sie, welche ersten Schritte das Projekt erfolgreich starten, wie man solide Zeitpläne entwickelt und gute Visionsdokumente und Spezifikationen schreibt, wie neue Ideen entstehen und was man aus ihnen machen kann. Teams effektiv führen Erhalten Sie Einblicke in die erfolgreiche Teamleitung: Lernen Sie, wie man die Team-Moral kultiviert, konfliktfrei kommuniziert, Meetings optimal gestaltet und den Spaß am Projekt steigert. Neu in der überarbeiteten Auflage Die zweite, komplett überarbeitete Auflage wurde um Übungsteile am Ende jeden Kapitels erweitert. Dadurch kann der Leser durch über 120 Übungen die Kapitelinhalte

praxisnah erschließen und vertiefen. *Requirements Engineering and Management for Software Development Projects* Packt Publishing Ltd Equip yourself with SOFTWARE PROJECT SURVIVAL GUIDE. It's for everyone with a stake in the outcome of a development project--and especially for those without formal software project management training. That includes top managers, executives, clients, investors, end-user representatives, project managers, and technical leads. Here you'll find guidance from the acclaimed author of the classics CODE COMPLETE and RAPID DEVELOPMENT. Steve McConnell draws on solid research and a career's worth of hard-won experience to map the surest path to your goal--what he calls "one specific approach to software development that works pretty well most of the time for most projects." Nineteen chapters in four sections cover the concepts and strategies you need for mastering the development process, including planning, design, management, quality assurance, testing, and archiving. For newcomers and seasoned project managers alike, SOFTWARE PROJECT

SURVIVAL GUIDE draws on a vast store of techniques to create an elegantly simplified and reliable framework for project management success. So don't worry about wandering among complex sets of project management techniques that require years to sort out and master. SOFTWARE PROJECT SURVIVAL GUIDE goes straight to the heart of the matter to help your projects succeed. And that makes it a required addition to every professional's bookshelf. Mastering Project Management John Wiley & Sons Become an expert at using JIRA 7 through this one-stop guide! About This Book This comprehensive guide will help you implement, customize and administer JIRA 7 application to meet the needs of your organization You will get to know the strategies needed to develop and deploy JIRA 7, along with best practices when working with Jira It covers the latest integrations of JIRA 7 with third-party platforms to help you professionally manage your software development projects Who This Book Is For If you are a JIRA administrator who is managing small-to-medium JIRA instances and you want to

learn how to manage enterprise-scale instances, then this book will help you expand your knowledge and equip you with advanced skills. Prior understanding of the JIRA core concepts is required. What You Will Learn Plan the installation and upgrade of your JIRA instance to the newest version Configure issue type schemes, create customized workflows, modify permission schemes, and change notification schemes Implement JIRA Service Desk to manage your support tickets Customize JIRA for test management, helpdesk, and requirement management Deploy JIRA for Agile tracking using the Scrum and Kanban techniques Develop JIRA add-ons to extend JIRA's functionality Migrate data from external systems using CSV import Generate reports directly from the JIRA database and use custom JavaScript and CSS Integrate your JIRA application with third-party tools such as Confluence, SVN, and Git In Detail Atlassian JIRA 7 is an enterprise issue tracker system. One of its key strengths is its ability to adapt to the needs of an organization, ranging from building software products to managing your support issues. This book provides a

comprehensive explanation covering all three components of JIRA 7, such as JIRA Software, JIRA Core, and Jira Service Desk. It shows you how to master the key functionalities of JIRA and its customizations and useful add-ons, and is packed with real-world examples and use cases. You will first learn how to plan for a JIRA 7 installation and fetch data. We cover JIRA reports in detail, which will help you analyze your data effectively. You can add additional features to your JIRA application by choosing one of the already built-in add-ons or building a new one to suit your needs. Then you'll find out about implementing Agile methodologies in JIRA by creating Scrum and Kanban boards. We'll teach you how to integrate your JIRA Application with other tools such as Confluence, SVN, Git, and more, which will help you extend your application. Finally, we'll explore best practices and troubleshooting techniques to help you find out what went wrong and understand how to fix it. Style and approach This comprehensive book covers the advanced and new features of JIRA 7 with the help of rich code-based, real-world examples and use cases.

### **Бизнес-процессы: Языки моделирования, методы, инструменты** J. Ross Publishing

Das Systems-Engineering-Konzept des BWI der ETH Zürich hat sich schon bald nach seiner erstmaligen Publikation im Jahr 1972 als Standardmethodik zur systematischen Bearbeitung von komplexen Projekten in Industrie, Dienstleistung und Verwaltung etabliert, z. B. in der Produktentwicklung, der Prozess-, Organisations-, Anlagen-, und Informationstechnologieplanung. Der Erfolg des SE-Konzepts basiert auf wenigen anwendbaren Grundprinzipien sowie einfachen, nachvollziehbaren und anpassbaren Ansätzen, die nicht nur hochqualifizierten Spezialisten verständlich sein sollen, sondern möglichst vielen Berufstätigen, die in unterschiedlichen Projekten arbeiten. Die Kompaktheit und klare Struktur der Methodik überzeugten zahlreiche Lehrinstitute und Unternehmen, dieses Konzept zu übernehmen. Die 14. Auflage (2018) wurde sowohl inhaltlich als auch sprachlich überarbeitet. Dazugekommen ist ein drittes Fallbeispiel (Smart City und Science Tower Graz). Aus didaktischen

Gründen wurden zu jedem Kapitel Wissens- und Verständnisfragen formuliert, die das eigene Wissen und Verständnis bestätigen und zu einer vertieften Auseinandersetzung mit dem Thema anregen. Die Fragen werden zum Schluss des Buches beantwortet. Zudem werden agile Konzepte und deren Charakteristiken eingehender behandelt. Die Enzyklopädie der Methoden und Techniken wurde den neuen Möglichkeiten der Informationsbeschaffung (Google, Wikipedia) angepasst.

### **Mastering Project Management** John Wiley & Sons

This comprehensive reference on software development quality assurance addresses all four dimensions of quality: specifications, design, construction and conformance. It focuses on quality from both the micro and macro view. From a micro view, it details the aspect of building-in quality at the component level to help ensure that the overall deliverable has ingrained quality. From a macro view, it addresses the organizational level activities that provide an environment conducive to fostering quality in the deliverables as well as developing a

culture focused on quality in the organization. Mastering Software Quality Assurance also explores a process driven approach to quality, and provides the information and guidance needed for implementing a process quality model in your organization. It includes best practices and valuable tools and techniques for software developers.

**Key Features**

- Provides a comprehensive, inclusive view of software quality
- Tackles the four dimensions of quality as applicable to software development organizations
- Offers unique insights into achieving quality at the component level
- Deals comprehensively with all aspects of measuring software quality
- Explores process quality from the standpoint of implementation rather than from the appraiser/assessor point of view
- Delivers a bird's eye view of the ISO and CMMI models, and describes necessary steps for attaining conformance to those models

Mastering the Requirements Process CRC Press

Перед вами практическое руководство по проектированию бизнес-процессов. В книге подробно описываются инновационные методы и программные

инструменты управления бизнес-процессами, основные принципы и языки моделирования. Основное внимание авторы уделяют наиболее эффективной, по их опыту, модели представления бизнес-процессов — сетям Петри, а именно XML-сетям. Отдельная глава посвящена методу Horus, оригинальной разработке компании PROMATIS, который определяет последовательность действий, необходимых для создания полноценной модели бизнес-процессов. Книга будет полезна не только непосредственным разработчикам бизнес-моделей, но и руководителям компаний и студентам бизнес-школ.

Software Project Survival Guide Orell Füssli Verlag

Boost your performance with improved project management tactics

Project Management ToolBox: Tools and Techniques for the Practicing Project Manager, Second Edition offers a succinct explanation of when, where, and how to use project management resources to enhance your work. With updated content that reflects key advances in the project management field, including planning,

implementation, control, cost, and scheduling, this revised text offers added material that covers relevant topics, such as agility, change management, governance, reporting, and risk management. This comprehensive resource provides a contemporary set of tools, explaining each tool's purpose and intention, development, customization and variations, and benefits and disadvantages. Additionally, examples, tips, and milestone checks guide you through the application of these tools, helping you practically apply the information you learn. Effective project management can support a company in increasing market share, improving the quality of products, and enhancing customer service. With so many aspects of project management changing as the business world continues to evolve, it is critical that you stay up to date on the latest topics in this field. Explore emerging topics within the world of project management, keeping up to date on the latest, most relevant subject areas

Leverage templates, exercises, and PowerPoint presentations to enhance your project management skills

Discuss tips,

reporting, implementation, documentation, and other essentials of the project management field. Consider how project management fits into various industries, including technology, construction, healthcare, and product development. *Project Management ToolBox: Tools and Techniques for the Practicing Project Manager, Second Edition* is an essential resource for experienced project managers and project management students alike.

*Mastering IT Project Management* IGI Global

"This book investigates the creation and implementation of enterprise information systems, covering a wide array of topics such as flow-shop scheduling, information systems outsourcing, ERP systems utilization, Dietz transaction methodology, and advanced planning systems"-- Provided by publisher.

*Mastering Project Portfolio Management* Springer Science & Business Media

This volume enables managers to review, extend and sharpen their project management skills, promoting individual development, personal and organizational effectiveness. Practical features include

key questions, action checklists, activities and guides to best practice.

**Art of Project Management** CRC Press

The best way to learn software engineering is by understanding its core and peripheral areas. *Foundations of Software Engineering* provides in-depth coverage of the areas of software engineering that are essential for becoming proficient in the field. The book devotes a complete chapter to each of the core areas. Several peripheral areas are also explained by assigning a separate chapter to each of them. Rather than using UML or other formal notations, the content in this book is explained in easy-to-understand language. Basic programming knowledge using an object-oriented language is helpful to understand the material in this book. The knowledge gained from this book can be readily used in other relevant courses or in real-world software development environments. This textbook educates students in software engineering principles. It covers almost all facets of software engineering, including requirement engineering, system specifications, system modeling, system architecture, system implementation, and

system testing. Emphasizing practical issues, such as feasibility studies, this book explains how to add and develop software requirements to evolve software systems. This book was written after receiving feedback from several professors and software engineers. What resulted is a textbook on software engineering that not only covers the theory of software engineering but also presents real-world insights to aid students in proper implementation. Students learn key concepts through carefully explained and illustrated theories, as well as concrete examples and a complete case study using Java. Source code is also available on the book's website. The examples and case studies increase in complexity as the book progresses to help students build a practical understanding of the required theories and applications.

**Software Project Survival Guide**

Bloomsbury Publishing

After a brief introduction to the topic of business process modeling, the book offers a quick-start into model-based business process engineering. After that, the foundations of the modeling languages

used are conveyed. Meaningful examples are in the foreground - each of the underlying formalisms is treated only as far as needed. Next the Horus Method is described in detail. The book defines a sequence of activities which finally leads to the creation of a complete business process model. The Horus Method, incidentally, is not bound to the use of the Horus software tools. It can be used with other tools or, if necessary, be used even without tool support. Important application fields of business process engineering are described, where the spectrum ranges from business process reengineering to the development and implementation of information systems. The book concludes with an outlook on the future of business process engineering and highlights current research activities in the area.

Mastering Redmine Thorogood Publishing  
An ideal course text that helps students to identify, manage and solve problems that arise during the lifecycle of projects. This problem-based approach encourages students to develop analytical and problem-solving skills and to get a more complete understanding of the factors that contribute to project success.

*MEMS Product Engineering* Springer Science & Business Media

This book aims to capture the fundamentals of computer programming without tying the topic to any specific programming language. To the best of the authors' knowledge there is no such book in the market.

**Project Management of Large Software-Intensive Systems** J. Ross Publishing

Project management leadership is today's #1 business skill. Talented, knowledgeable project managers command the best assignments and compensation: they are the future leaders of business. But expert project managers aren't born that way: they've learned specific, proven techniques and strategies for achieving outstanding results. In *Project Management*, Richard Murch shares those techniques and strategies. Whether you're managing your first project, or you're an experienced project manager facing tough, new challenges, *Project Management* offers expert solutions. Start by mastering the fundamentals of project management, including planning, reporting, team building, and team

leadership. Understand the entire project lifecycle: planning, analysis, design, construction, testing, rollout, and beyond. Learn practical ways to respond to incessant changes in market conditions, resources, requirements and schedules; and learn how to manage risks and problems more effectively. Master today's latest rapid software development methodologies and techniques; and discover how to handle the unique challenges of IT and knowledge management projects. Finally, leverage the latest Internet and intranet-based project management tools and resources. *Project Management* Альпина Паблшер  
Organizations of all types are consistently working on new initiatives, product lines, or implementation of new workflows as a way to remain competitive in the modern business environment. No matter the type of project at hand, employing the best methods for effective execution and timely completion of the task at hand is essential to project success. *Project Management: Concepts, Methodologies, Tools, and Applications* presents the latest research and practical solutions for managing every stage of the project lifecycle. Emphasizing



emerging concepts, real-world examples, and authoritative research on managing project workflows and measuring project success in both private and public sectors, this multi-volume reference work is a critical addition to academic, government, and corporate libraries. It is designed for

use by project coordinators and managers, business executives, researchers, and graduate-level students interested in putting research-based solutions into practice for effective project management.

**The IFPUG Guide to IT and Software**

**Measurement** Pearson Education  
This book is perhaps the first attempt to give full treatment to the topic of Software Design. It will facilitate the academia as well as the industry. This book covers all the topics of software design including the ancillary ones.

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