Bpmn The Business Process Modeling Notation Pocket Handbook Bpmn The Business Process Mode

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IT Governance and Information Security - Yassine Maleh 2021-12-21
IT governance seems to be one of the best strategies to optimize IT assets in an economic context dominated by information, innovation, and the race for performance. The multiplication of internal and external data and increased digital management, collaboration, and sharing platforms exposes organizations to ever-growing risks. Understanding the threats, assessing the risks, adapting the organization, selecting and implementing the appropriate controls, and implementing a management system are the activities required to establish proactive security governance that will provide management and customers the assurance of an effective mechanism to manage risks. IT Governance and Information Security: Guides, Standards, and Frameworks is a fundamental resource to discover IT governance and information security. This book focuses on the guides, standards, and maturity frameworks for adopting an efficient IT governance and information security strategy in the organization. It describes numerous case studies from an international perspective and brings together industry standards and research from scientific databases. In this way, this book clearly illustrates the issues, problems, and trends related to the topic while promoting the international perspectives of readers. This book offers comprehensive coverage of the essential topics, including: IT governance guides and practices; IT service management as a key pillar for IT governance; Cloud computing as a key pillar for Agile IT governance; Information security governance and maturity frameworks. In this new book, the authors share their experience to help you navigate today's dangerous information security terrain and take proactive steps to measure your company's IT governance and information security maturity and prepare your organization to survive, thrive, and keep your data safe. It aspires to provide a relevant reference for executive managers, CISOs, cybersecurity professionals, engineers, and researchers interested in exploring and implementing efficient IT governance and information security strategies.

Organizational Change and Information Systems - Paolo Spagnoletti 2013-05-18
This book examines a range of issues emerging from the interaction of Information Technologies and organizational systems. It contains a collection of research papers focusing on themes of growing interest in the field of Information Systems, Organization Studies, and Management. The book offers a multidisciplinary view on Information Systems aiming to disseminate academic knowledge. It might be particularly relevant to IT practitioners such as information systems managers, business managers and IT consultants. The volume is divided into six sections, each one focusing on a specific theme. The content of each section is based on a selection of the best papers (original double blind peer reviewed contributions) presented at the annual conference of the Italian chapter of AIS, which has been held in Rome, Italy in September 2012.

Business Analysis Based on BABOK® Guide Version 2 – A Pocket Guide - Jarett Hailes 2014-06-24
A Guide to the Business Analysis Body of Knowledge® (BABOK® Guide) is the collection of knowledge within the profession of business analysis and reflects current generally accepted practices. As with other professions, the body of knowledge is defined and enhanced by the business analysis professionals who apply it in their daily work role. The purpose of this pocket guide to the BABOK® Guide is to help understand the key knowledge found within the BABOK Guide and how it can be applied to a particular situation. Primary target groups for this pocket guide are: • Individuals interested in how business analysis works or who may want to become Business Analysts; • Business Analysts as a quick reference during the course of their day-to-day work; • Team members working on projects or within normal organizational operations where business analysis is performed; • Managers and executives who need to understand how business analysis can help improve their organizations. This pocket guide is based upon the content found in Version 2 of the BABOK Guide. The BABOK Guide was first published by the International Institute of Business Analysis (IIBA) in 2005. Version 2.0 was released in March 2009. The BABOK® Guide describes business analysis areas of knowledge, their associated activities and the tasks and skills necessary to be effective in their execution. The BABOK® Guide is a reference for professional knowledge for business analysis and provides the basis for the Certified Business Analysis Professional™ (CBAP®) and the Certification of Competency in Business Analysis™ (CCBA®) certifications.

Business 4.0 as a Subject of the Digital Economy - Elena G. Popkova 2022-07-16
This book substantiates the transformation processes in the system of modern entrepreneurship in the conditions of formation of Industry 4.0. The authors develop a scientific concept of business 4.0, determine the specific features of business 4.0 and current problems and perspectives of its development in developed and developing markets, study the infrastructural provision of business 4.0 in view of its sectorial specifics, outline the perspectives and recommendations in the sphere of development of business 4.0, and offer the scientific and practical recommendations for state and corporate management.

Real-Life BPMN (4th Edition) - Bernd Rucker 2019-09-04
This is the improved 4th edition of the very successful book "Real-Life BPMN" with excellent reviews on Amazon.com (don't forget to check reviews of the former editions). In this book you will learn how to: Model processes with Business Process Model and Notation (BPMN) Successfully apply BPMN to real-world problems Use a practical approach to workflow automation with BPMN 2.0 Align business, development and operations Understand how microservices impact business processes Implement BPMN across your organization The definitive guide for process designers: provides an overview of business process notation, presents implementation guidance and best practices, and offers useful tips on what works and what doesn't. Truth be told, there are several BPMN books on the market. Some of them are quite good, so why should you care about this one? This book distills the experience the authors have accumulated while running Camunda, a company that delivers the leading open source workflow and decision automation platform. Camunda helped to define the BPMN specification, and during the past 15 years, they have applied BPMN to thousands of customer use cases. These were big businesses, small companies, and public institutions. Now you can benefit from this practical experience. This bookalso gives an introduction to DMN for decision management, which you might know as business rules management (BRM). This book is also available in German and Spanish. Note: The resolution of all images in the ebook has been increased, starting with the third edition, to improve the digital reading experience.

BPMN Modeling and Reference Guide - Stephen A. White 2008

Business Process Modeling Notation (BPMN) is a standard, graphical modeling representation for business processes. It provides an easy to use, flow-charting notation that is independent of the implementation environment. An underlying rigor supports the notation-facilitating the translation of business level models into executable models that BPM Suites and workflow engines can understand. Over recent years, BPMN has been widely adopted by Business Process Management (BPM) related products-both the Business Process Analysis and Modeling tool vendors and the BPM Suites. This book is for business users and process modeling practitioners alike. Part I provides an easily understood introduction to the key components of BPMN (put forward in a user-friendly fashion). Starting off with simple models, it progresses into more sophisticated patterns. Exercises help cement comprehension and understanding (with answers available online). Part II provides a detailed and authoritative reference on the precise semantics and capabilities of the standard.

Fundamentals of Business Intelligence - Wilfried Grossmann 2015-06-02
This book presents a comprehensive and systematic introduction to transforming process-oriented data into information about the underlying business process, which is essential for all kinds of decision-making. To that end, the authors develop step-by-step models and analytical tools for obtaining high-quality data structured in such a way that complex analytical tools can be applied. The main emphasis is on process mining and data mining techniques and the combination of these methods for process-oriented data. After a general introduction to the business intelligence (BI) process and its constituent tasks in chapter 1, chapter 2 discusses different approaches to modeling in BI applications. Chapter 3 is an overview and provides details of data provisioning, including a section on big data. Chapter 4 tackles data description, visualization, and reporting. Chapter 5 introduces data mining techniques for cross-sectional data. Different techniques for the analysis of temporal data are then detailed in Chapter 6. Subsequently, chapter 7 explains techniques for the analysis of process data, followed by the introduction of analysis techniques for multiple BI perspectives in chapter 8. The book closes with a summary and discussion in chapter 9. Throughout the book, (mostly open source) tools are recommended, described and applied; a more detailed survey on tools can be found in the appendix, and a detailed code for the solutions together with instructions on how to install the software used can be found on the accompanying website. Also, all concepts presented are illustrated and selected examples and exercises are provided. The book is suitable for graduate students in computer science, and the dedicated website with examples and solutions makes the book ideal as a textbook for a first course in business intelligence in computer science or business information systems. Additionally, practitioners and industrial developers who are interested in the concepts behind business intelligence will benefit from the clear explanations and many examples.

The Basics of Process Mapping, 2nd Edition - Robert Damelio 2011-05-11
The bestselling first edition of this influential resource has been incorporated into the curriculum at forward thinking colleges and universities, a leading vocational technical institute, many in-house corporate continuous improvement approaches, and the United Nations' headquarters. Providing a complete and accessible introduction to process maps, The Basics of Process Mapping, Second Edition raises the bar on what constitutes the basics. Thoroughly revised and updated to keep pace with recent developments, it explains how relationship maps, cross-functional process maps (swimlane diagrams), and flowcharts can be used as a set to provide different views of work. New in the Second Edition: Four new chapters and 75 new graphics An introduction to the concepts of flow and waste and how both appear in knowledge work or business processes A set of measures for flow and waste A discussion of problematic features of knowledge work and business processes that act as barriers to flow Seven principles* and 29 guidelines for improving the flow of knowledge work A detailed (actual) case study that shows how one organization applied the principles and guidelines to reduce lead time from an average of 28 days to 4 days Unlike "tool books" or "pocket guides" that focus on discrete tools in isolation, this text use a single comprehensive service work example that integrates all three maps, and illustrates the insights they provide when applied as a set. It contains how to procedures for creating each type of map, and includes clear-cut guidance for determining when each type of map is most appropriate. The well-rounded understanding provided in these pages will allow readers to effectively apply all three types of maps to make work visible at the organization, process, and job/performer levels. *The Seven principles are integrated into Version 3 of the body of knowledge used

for Lean certification by the ASQ/AME/SME/SHINGO Lean Alliance. This is the first publication of those principles and guidelines.

Venture Deals - Jason Mendelson 2011-07-05
An engaging guide to excelling in today's venture capital arena Beginning in 2005, Brad Feld and Jason Mendelson, managing directors at Foundry Group, wrote a long series of blog posts describing all the parts of a typical venture capital Term Sheet: a document which outlines key financial and other terms of a proposed investment. Since this time, they've seen the series used as the basis for a number of college courses, and have been thanked by thousands of people who have used the information to gain a better understanding of the venture capital field. Drawn from the past work Feld and Mendelson have written about in their blog and augmented with newer material, Venture Capital Financings puts this discipline in perspective and lays out the strategies that allow entrepreneurs to excel in their start-up companies. Page by page, this book discusses all facets of the venture capital fundraising process. Along the way, Feld and Mendelson touch on everything from how valuations are set to what externalities venture capitalists face that factor into entrepreneurs' businesses. Includes a breakdown analysis of the mechanics of a Term Sheet and the tactics needed to negotiate Details the different stages of the venture capital process, from starting a venture and seeing it through to the later stages Explores the entire venture capital ecosystem including those who invest in venture capitalist Contain standard documents that are used in these transactions Written by two highly regarded experts in the world of venture capital The venture capital arena is a complex and competitive place, but with this book as your guide, you'll discover what it takes to make your way through it.

The Process Management Memory Jogger - Robert D. Boehringer 2009-01-01
Goes beyond the systems of familiar methodologies to explain how companies can turn process performance into a competitive advantage while sustaining excellence, outlining philosophical strategies to such topics as recognizing what is valuable to customers, promoting cross-functional cooperation and aligning IT systems with processes.

Enterprise Modeling - Kurt Sandkuhl 2014-09-15
Enterprise modeling (EM) methods and techniques are indispensable for understanding the present situation of an enterprise and for preparing for its future – particularly in times of continuous organizational change, an increasing pace of innovation, new market challenges or technology advances. The authors combine a detailed description of the 4EM methodology with their concrete experience gathered in projects. Their book addresses the modeling procedure, modeling language and modeling practices in a uniquely integrated approach. It provides practical advice on common challenges faced by enterprises and offers a flexible EM method suitable for tackling those challenges. Much of the work presented stems from actual research projects and has been validated with scientific methods. The 4EM methodology has proven its practical value in a large number of successful development and/or change management projects in industry and the public sector. The book was written for anyone who wants to learn more about EM, with a specific focus on how to do it in practice and/or how to teach it. Its main target audience thus includes instructors in the field of EM or business information systems, students in Information Systems or Business Administration, and practitioners working in enterprise or change management. The authors describe a clear reading path for each of these audiences and complement the work with a set of slides and further teaching material available under www.4em-method.com.

Learning UML 2.0 - Russ Miles 2006-04-25
With its clear introduction to the Unified Modeling Language (UML) 2.0, this tutorial offers a solid understanding of each topic, covering foundational concepts of object-orientation and an introduction to each of the UML diagram types.

ArchiMate® 3.0.1 - A Pocket Guide - Andrew Josey 2017-10-03
ArchiMate®, an Open Group Standard, is an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. The ArchiMate language enables Enterprise Architects to describe, analyze, and visualize the relationships among architecture domains in an unambiguous way.This Pocket Guide is based on the ArchiMate® 3.0.1 Specification. It gives a concise introduction to the ArchiMate language. What's more, it's authoritative with material derived

from the official ArchiMate documentation.Topics covered include:• A high-level introduction to the ArchiMate Specification and its relationship to Enterprise Architecture• The high-level structure of the ArchiMate language, including an introduction to layering, and the ArchiMate Framework• The Generic Metamodel for the language• The relationships that the ArchiMate language includes to model the links between elements• The Motivation Elements, which includes concepts such as goal, principle, and requirement• The Strategy Elements, which includes concepts such as resource, capability, and course of action• The Business Layer, which includes the modeling concepts relevant in the business domain• The Application Layer, which includes modeling concepts relevant for software applications• The Technology Layer, which includes modeling concepts relevant for system software applications and infrastructure• The Physical Elements, which include concepts relevant for the modeling of physical concepts like machines and physical installations• The relationships between different layers of the language• The Implementation and Migration Elements, which include concepts to support modeling Enterprise Architecture-enabled transformation• A summary of the major changes from ArchiMate 2.1 to ArchiMate 3• A Glossary of terms

ArchiMate® 2.1 - A Pocket Guide - Andrew Josey 2016-01-01
ArchiMate®, an Open Group Standard, is an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. ArchiMate provides instruments to enable enterprise architects to describe, analyze, and visualize the relationships among business domains in an unambiguous way. This Pocket Guide is based on ArchiMate® 2.1. It gives a concise introduction to ArchiMate. What s more, it s authoritative with material derived from the official ArchiMate documentation.Topics covered include:- A high-level introduction to ArchiMate and its relationship to Enterprise Architecture;- The Business Layer, which includes the modeling concepts relevant in the business domain;- The Application Layer, which includes modeling concepts relevant for software applications;- The Technology Layer, which includes modeling concepts relevant for system software applications and infrastructure;- The relationships that the ArchiMate language includes to model the links between elements, and also the relationships to model the cross-layer dependencies;- The Motivation Extension;- The Implementation and Migration Extension;- The ArchiMate framework for defining and classifying ArchiMate viewpoints, including a summary of all the viewpoints in the ArchiMate 2.1 Standard;- The ArchiSurance Case Study, a fictitious example developed to illustrate use of the Modeling language in the context of the TOGAF Framework.Also available: ArchiMate® 3.0 Specification, ISBN 9789401800471

Real-Life BPMN - Jakob Freund 2016-12-20
This is the improved 3rd edition of the very successful book "Real-Life BPMN" with excellent reviews on Amazon.com (don't forget to check reviews of the 1st and 2nd edition). It is about business process management (BPM) and Business Process Model and Notation (BPMN 2.0). Truth be told, there are several BPMN books on the market. Some of them are quite good, so why should you care about this one? This book distills the experience the authors accumulated while running Camunda, a consulting company that specializes in BPM. Camunda helped to define the BPMN specification, and during the past ten years, they have applied BPMN in over 1000 customer engagements. These were big businesses, small companies, and public institutions. Now you can benefit from this practical experience. Topics covered: The basics of modeling processes with Business Process Model and Notation (BPMN 2.0) Methods to apply BPMN successfully to real-world problems A practical approach for automating processes with BPMN 2.0 The alignment of business and IT as an attainable goal Advice on introducing BPMN across your company This book explains the notation, of course, but it also delves into the kinds of challenges that process designers face every day. It talks about pitfalls to avoid. It gives dos and don'ts. There are guidelines and best practices. In the 3rd edition we added introductions to the related BPM standards CMMN 1.1 for case management, handling unstructured processes DMN 1.1 for decision management, you might know as business rules management (BRM) This third edition in English is based on the successful fith German edition, which, according to amazon.de, it is the highest-ranked book on BPMN in German. The number of five-star ratings awarded by readers speaks volumes. Also available in Spanish.

BPMN 2.0 - Thomas Allweyer 2016-04-07
BPMN (Business Process Model and Notation) is the established standard for business process modeling. Only a few years after its first publication, it has gained widespread adoption in practice. All important

modeling tools support BPMN diagramming. It is possible to create business-oriented diagrams, but also technical models for process execution in business process management systems (BPMS). This book provides a stepwise introduction to BPMN, using many examples close to practice. Starting with the basic elements for modeling sequence flow, all BPMN 2.0 diagrams are presented and discussed in detail. You will gain a profound understanding of the complete notation, and you will be able to make correct use of the different language elements. In the second edition, a collection of useful modeling patterns has been added. These patterns provide best-practice solutions for typical problems arising in the practice of process modeling.

Fundamentals of Business Process Management - Marlon Dumas 2018-03-23
This textbook covers the entire Business Process Management (BPM) lifecycle, from process identification to process monitoring, covering along the way process modelling, analysis, redesign and automation. Concepts, methods and tools from business management, computer science and industrial engineering are blended into one comprehensive and inter-disciplinary approach. The presentation is illustrated using the BPMN industry standard defined by the Object Management Group and widely endorsed by practitioners and vendors worldwide. In addition to explaining the relevant conceptual background, the book provides dozens of examples, more than 230 exercises – many with solutions – and numerous suggestions for further reading. This second edition includes extended and completely revised chapters on process identification, process discovery, qualitative process analysis, process redesign, process automation and process monitoring. A new chapter on BPM as an enterprise capability has been added, which expands the scope of the book to encompass topics such as the strategic alignment and governance of BPM initiatives. The textbook is the result of many years of combined teaching experience of the authors, both at the undergraduate and graduate levels as well as in the context of professional training. Students and professionals from both business management and computer science will benefit from the step-by-step style of the textbook and its focus on fundamental concepts and proven methods. Lecturers will appreciate the class-tested format and the additional teaching material available on the accompanying website.

Business Information Systems Workshops - Witold Abramowicz 2019-12-16
This book constitutes revised papers from the nine workshops and one accompanying event which took place at the 22nd International Conference on Business Information Systems, BIS 2019, held in Seville, Spain, in June 2019. There was a total of 139 submissions to all workshops of which 57 papers were accepted for publication. The workshops included in this volume are: AKTB 2019: 11th Workshop on Applications of Knowledge-Based Technologies in Business BITA 2019: 10th Workshop on Business and IT Alignment BSCT 2019: Second Workshop on Blockchain and Smart Contract Technologies DigEX 2019: First International Workshop on transforming the Digital Customer Experience iCRM 2019: 4th International Workshop on Intelligent Data Analysis in Integrated Social CRM iDEATE 2019: 4th Workshop on Big Data and Business Analytics Ecosystems ISMAD 2019: Workshop on Information Systems and Applications in Maritime Domain QOD 2019: Second Workshop on Quality of Open Data SciBOWater 2019: Second Workshop on Scientific Challenges and Business Opportunities in Water Management

Variation Risk Management - Anna C. Thornton 2003-11-05
"A thoughtful, complete, and very readable approach to robust engineering. It presents insights that correlate with those learned at Ford while developing and executing Design for Six Sigma. Having this book three years ago could've helped with that effort."–David Amos, DFSS Deployment Director, Ford Motor Company Written by Anna C. Thornton, the well-known author who coined the phrase "variation risk management," this comprehensive book presents new methods and implementation strategies based on her research of industry practices and her personal experience with such companies as The Boeing Company, Eastman Kodak Company, Ford Motor Company, Johnson & Johnson, and many others. Step-by-step guidelines show how you can implement and apply variation risk management to real-world problems within the existing systems of an organization.

Strategic IT Governance and Performance Frameworks in Large Organizations - Maleh, Yassine 2019-01-04
As digitization continues to bring rapid changes to businesses, companies must remain agile in order to comply with changing regulations and maintain governance and compliance while achieving its business objectives. To achieve this agility, IT staff within these companies must be able to respond quickly to

changing business needs while maintaining existing and efficient infrastructure. Strategic IT Governance and Performance Frameworks in Large Organizations is an essential reference source that provides emerging frameworks and models that implement an efficient strategic IT governance in organizations and discusses the effects these policies have on the business as a whole. Featuring six international case studies from large organizations, this title covers topics such as IT management, security policy, and organizational governance, and is ideally designed for IT specialists, academicians, researchers, policymakers, and managers.

The Complete Business Process Handbook - Mark von Rosing 2014-12-06

The Complete Business Process Handbook is the most comprehensive body of knowledge on business processes with revealing new research. Written as a practical guide for Executives, Practitioners, Managers and Students by the authorities that have shaped the way we think and work with process today. It stands out as a masterpiece, being part of the BPM bachelor and master degree curriculum at universities around the world, with revealing academic research and insight from the leaders in the market. This book provides everything you need to know about the processes and frameworks, methods, and approaches to implement BPM. Through real-world examples, best practices, LEADing practices and advice from experts, readers will understand how BPM works and how to best use it to their advantage. Cases from industry leaders and innovators show how early adopters of LEADing Practices improved their businesses by using BPM technology and methodology. As the first of three volumes, this book represents the most comprehensive body of knowledge published on business process. Following closely behind, the second volume uniquely bridges theory with how BPM is applied today with the most extensive information on extended BPM. The third volume will explore award winning real-life examples of leading business process practices and how it can be replaced to your advantage. Learn what Business Process is and how to get started Comprehensive historical process evolution In-depth look at the Process Anatomy, Semantics and Ontology Find out how to link Strategy to Operation with value driven BPM Uncover how to establish a way of Thinking, Working, Modelling and Implementation Explore comprehensive Frameworks, Methods and Approaches How to build BPM competencies and establish a Center of Excellence Discover how to apply Social BPM, Sustainable and Evidence based BPM Learn how Value & Performance Measurement and Management Learn how to roll-out and deploy process Explore how to enable Process Owners, Roles and Knowledge Workers Discover how to Process and Application Modelling Uncover Process Lifecycle, Maturity, Alignment and Continuous Improvement Practical continuous improvement with the way of Governance Future BPM trends that will affect business Explore the BPM Body of Knowledge

ArchiMate® 3.0 – A Pocket Guide - A Glossary of terms 2016-07-18

ArchiMate®, an Open Group Standard, is an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. The ArchiMate language enables Enterprise Architects to describe, analyze, and visualize the relationships among architecture domains in an unambiguous way. This Pocket Guide is based on the ArchiMate® 3.0 Specification. It gives a concise introduction to the ArchiMate language. What's more, it's authoritative with material derived from the official ArchiMate documentation. Topics covered include: A high-level introduction to the ArchiMate Specification and its relationship to Enterprise Architecture The high-level structure of the ArchiMate language, including an introduction to layering, and the ArchiMate Framework The Generic Metamodel for the language The relationships that the ArchiMate language includes to model the links between elements The Motivation Elements, which includes concepts such as goal, principle, and requirement The Strategy Elements, which includes concepts such as resource, capability, and course of action The Business Layer, which includes the modeling concepts relevant in the business domain The Application Layer, which includes modeling concepts relevant for software applications The Technology Layer, which includes modeling concepts relevant for system software applications and infrastructure The Physical Elements, which include concepts relevant for the modeling of physical concepts like machines and physical installations The relationships between different layers of the language The Implementation and Migration Elements, which include concepts to support modeling Enterprise Architecture-enabled transformation A summary of the changes from ArchiMate 2.1 to ArchiMate 3.0 A Glossary of terms

Business Information Systems - Witold Abramowicz 2018-07-11

This book constitutes the proceedings of the 21st International Conference on Business Information Systems, BIS 2018, held in Berlin, Germany, in July 2018. The BIS conference follows popular research trends, both in the academic and the business domain. Thus the theme of BIS 2018 was "Digital Transformation - An Imperative in Today's Business Markets". The 30 papers presented in this volume were carefully reviewed and selected from 96 submissions. They were organized in topical sections named: big and smart data and artificial intelligence; business and enterprise modeling; ICT project management; process management; smart infrastructures; social media and Web-based business information systems; applications, evaluations, and experiences.

Archimate(r) 3.1 Specification - Van Haren Publishing 2020-02

The ArchiMate(R) Specification, a standard of The Open Group, defines an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. The ArchiMate language enables Enterprise Architects to describe, analyze, and visualize the relationships among business domains in an unambiguous way. This book is the official specification of the ArchiMate 3.1 modeling language from The Open Group. This edition of the standard includes a number of corrections, clarifications, and improvements to the previous edition, as well as several additions. The main changes between Version 3.0.1 and Version 3.1 of the ArchiMate Specification are listed below. In addition to these changes, various other minor improvements in definitions and other wording have been made: Introduced a new strategy element: value stream Added an optional directed notation for the association relationship Improved the organization of the metamodel and associated figures Further improved and formalized the derivation of relationships The intended audience is threefold: 1.Enterprise Architecture practitioners, such as architects (e.g., business, application, information, process, infrastructure, and, obviously, enterprise architects), senior and operational management, project leaders, and anyone committed to work within the reference framework defined by the Enterprise Architecture. 2.Those who intend to implement the ArchiMate language in a software tool; they will find a complete and detailed description of the language in this book. - The academic community, on which we rely for amending and improving the language, based on state-of-the-art research results in the Enterprise Architecture field.

Business Process Management Design Guide: Using IBM Business Process Manager - Dr. Ali Arsanjani 2015-04-27

IBM® Business Process Manager (IBM BPM) is a comprehensive business process management (BPM) suite that provides visibility and management of your business processes. IBM BPM supports the whole BPM lifecycle approach: Discover and document Plan Implement Deploy Manage Optimize Process owners and business owners can use this solution to engage directly in the improvement of their business processes. IBM BPM excels in integrating role-based process design, and provides a social BPM experience. It enables asset sharing and creating versions through its Process Center. The Process Center acts as a unified repository, making it possible to manage changes to the business processes with confidence. IBM BPM supports a wide range of standards for process modeling and exchange. Built-in analytics and search capabilities help to further improve and optimize the business processes. This IBM Redbooks® publication provides valuable information for project teams and business people that are involved in projects using IBM BPM. It describes the important design decisions that you face as a team. These decisions invariably have an effect on the success of your project. These decisions range from the more business-centric decisions, such as which should be your first process, to the more technical decisions, such as solution analysis and architectural considerations.

The Quintessence of Supply Chain Management - Rolf G. Poluha 2016-01-08

This book describes the fundamentals of Supply Chain Management in clear and concise terms. It explains why in the near future real competition is going to be between supply chains and what the consequences will be. Managers and decision-makers will be able to build on their business's competitive advantage with the essentials provided in this work. The focus here is upon what you really need to know in order to optimally manage your processes in procurement, manufacturing, warehousing and logistics. In addition to a wealth of illustrations and examples, valuable suggestions for further expansive reading are included. Essential insights are provided into how to analyse and evaluate the supply chain, based upon key aspects from research and practice, which helps readers to initiate their own optimisation processes.

Multiscreen UX Design - Wolfram Nagel 2015-12-11
People today use technology on different devices in different locations. Users expect to access information on all relevant screens and across multiple channels through smartphones, tablets, laptops/desktops, smart (internet-connected) TVs, and other devices, such as smartwatches for example. Multiscreen is no longer a nice add-on, it's a requirement. In this environment, user experience needs to cater to multiple devices. This book provides a holistic approach that will help UX professionals to offer a hands-on guide for UX design across multiple screens. It presents an opportunity to learn how to cater designs for customers. Readers will find patterns, strategies, examples and case studies, methodologies, and insights to help inspire them to develop a viable strategy for their own digital products and services. UX professionals will walk through important elements of multiscreen UX: Investigating the devices and their capabilities Understanding the users and their capabilities Considering the context in which users use these devices Navigating next generation information experiences and the future of content management Designing content and UI architecture for multiscreen projects A hands-on, practical guide to UX design for how users approach content – across more than one screen at a time Discusses devices, users, and their practices Includes best practices, real-world examples, and tips and tricks A preface written by Scott Jenson

Rough Sets: Selected Methods and Applications in Management and Engineering - Georg Peters 2012-02-21
Rough Set Theory, introduced by Pawlak in the early 1980s, has become an important part of soft computing within the last 25 years. However, much of the focus has been on the theoretical understanding of Rough Sets, with a survey of Rough Sets and their applications within business and industry much desired. Rough Sets: Selected Methods and Applications in Management and Engineering provides context to Rough Set theory, with each chapter exploring a real-world application of Rough Sets. Rough Sets is relevant to managers striving to improve their businesses, industry researchers looking to improve the efficiency of their solutions, and university researchers wanting to apply Rough Sets to real-world problems.

Business Process Management - Mathias Weske 2019-06-22
Business process management is usually treated from two different perspectives: business administration and computer science. While business administration professionals tend to consider information technology as a subordinate aspect in business process management for experts to handle, by contrast computer science professionals often consider business goals and organizational regulations as terms that do not deserve much thought but require the appropriate level of abstraction. Matthias Weske argues that all communities involved need to have a common understanding of the different aspects of business process management. To this end, he details the complete business process lifecycle from the modeling phase to process enactment and improvement, taking into account all different stakeholders involved. After starting with a presentation of general foundations and abstraction models, he explains concepts like process orchestrations and choreographies, as well as process properties and data dependencies. Finally, he presents both traditional and advanced business process management architectures, covering, for example, workflow management systems, service-oriented architectures, and data-driven approaches. In addition, he shows how standards like WfMC, SOAP, WSDL, and BPEL fit into the picture. This textbook is ideally suited for classes on business process management, information systems architecture, and workflow management. This 3rd edition contains a new chapter on business decision modelling, covering the Decision Model and Notation (DMN) standard; the chapter on process choreographies has been streamlined, and numerous clarifications have been fetched throughout the book. The accompanying website www.bpm-book.com contains further information and additional teaching material.

Business Process Mapping - J. Mike Jacka 2009-07-07
Praise for Business Process Mapping IMPROVING Customer Satisfaction SECOND EDITION "A must-read for anyone performing business process mapping! This treasure shares step-by-step approaches and critical success factors, based on years of practical, customer-focused experience. A real winner!" —Timothy R. Holmes, CPA, former General Auditor, American Red Cross "Paulette and Mike make extensive use of anecdotes and real-life examples to bring alive the topic of business process mapping. From the outset, this book will engage you and draw you into the world of business process mapping. Who would have thought that reading about business process mapping could make you smile? Well, Mike and Paulette can make it

happen! Within each chapter, the authors provide detailed examples and exhibits used to document a process. Each chapter also includes a 'Recap' and 'Key Analysis Points' which enable the reader to distill the highlights of the chapter." —Barbara J. Muller, CPA, CFE, Senior Lecturer, School of Accountancy, W. P. Carey School of Business, Arizona State University "Keller and Jacka cut through the drudgery of process mapping with a path-breaking approach that enables the reader to better understand processes, how they work and how they work together toward successful achievement of business objectives. With great style and flair, this book will provide you with a different way of thinking and new tools to assist you in process analysis and improvement. This book is a must-read for auditors, risk managers, quality improvement management, and business process engineers." —Dean Bahrman, VP and Internal Audit Director (Retired), Global Financial Services Companies "Mike Jacka and Paulette Keller show their expertise with the application of business process mapping in increasing customer service and satisfaction in this updated and expanded edition of this popular book. With clear, practical examples and applications, this book shows the writing talents of both authors, and it will be used over and over by those from all lines of industries and professions. Kudos for a job well done!" —Joan Pastor, PhD, Founding Partner, Licensed Industrial-Organizational Psychologist, JPA International, Inc., Beverly Hills, California

BIM Handbook - Rafael Sacks 2018-07-03
Discover BIM: A better way to build better buildings Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Information on the ways in which professionals should use BIM to gain maximum value New topics such as collaborative working, national and major construction clients, BIM standards and guides A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

Learning BPMN 2.0 - Joshua Fuehrer 2018-10-04
Do you ever think of how you learn--reading, watching, doing? Maybe you use all three. Many of us go through life unaware of how we learn or acquire a skill set; we just learn it. We all have the capability to learn. It is from that perspective and with a passion for business process modeling with Business Process Modeling and Notation (BPMN) that Dr. Joshua Fuehrer and Joseph Butchko set out to write a book that will provide an understanding of BPMN while engaging in the adult learning process for acquiring knowledge. Learning BPMN 2.0 is intended to bridge the gap between theory and practice. While the focus is on learning BPMN, this book will also teach foundational concepts for business process improvement, while maintaining a balance between academia and real-world examples. Through research, anecdotal evidence, and a collection of various resources and videos Learning BPMN 2.0 will help you grasp ideas and transform information in innovative ways. In the end you will have a greater understanding on how to apply BPMN in a way that communicates your organizations business and technical process models.

The TOGAF ® Standard, Version 9.2 - A Pocket Guide - Andrew Josey 2018-04-16
This is the official Pocket Guide for the TOGAF® Standard, Version 9.2, from The Open Group. It is published in hard copy and electronic formats by Van Haren Publishing. The TOGAF Standard, a standard of The Open Group, is a proven Enterprise Architecture methodology and framework used by the world's leading organizations to improve business efficiency. It is the most prominent and reliable Enterprise Architecture standard, ensuring consistent standards, methods, and communication among Enterprise Architecture professionals. Those professionals who are fluent in the TOGAF approach enjoy greater

industry credibility, job effectiveness, and career opportunities. The TOGAF approach helps practitioners avoid being locked into proprietary methods, utilize resources more efficiently and effectively, and realize a greater return on investment.

BPM CBOK Version 3.0 - Tony Benedict 2013-09
This Guide to the BPM CBOK(TM) provides a basic reference document for all practitioners. The primary purpose of this guide is to identify and provide an overview of the Knowledge Areas that are generally recognized and accepted as good practice. The Guide provides a general overview of each Knowledge Area and provides a list of common activities and tasks associated with each Knowledge Area. It also provides links and references to other sources of information which are part of the broader BPM Common Body of Knowledge.

Handbook on Business Process Management 2 - Jan vom Brocke 2014-08-28
Business Process Management (BPM) has become one of the most widely used approaches for the design of modern organizational and information systems. The conscious treatment of business processes as significant corporate assets has facilitated substantial improvements in organizational performance but is also used to ensure the conformance of corporate activities. This Handbook presents in two volumes the contemporary body of knowledge as articulated by the world's leading BPM thought leaders. This second volume focuses on the managerial and organizational challenges of BPM such as strategic and cultural alignment, governance and the education of BPM stakeholders. As such, this book provides concepts and methodologies for the integration of BPM. Each chapter has been contributed by leading international experts. Selected case studies complement their views and lead to a summary of BPM expertise that is unique in its coverage of the most critical success factors of BPM. The second edition of this handbook has been significantly revised and extended. Each chapter has been updated to reflect the most current developments. This includes in particular new technologies such as in-memory data and process management, social media and networks. A further focus of this revised and extended edition is on the actual deployment of the proposed theoretical concepts. This volume includes a number of entire new chapters from some of the world's leading experts in the domain of BPM.

Activiti in Action - Tijs Rademakers 2012-07-11
Summary Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology Activiti streamlines the implemention of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book Activiti in Action introduces developers to business process modeling with Activiti. You'll start by exploring BPMN 2.0 from a developer's perspective. Then, you'll quickly move to examples that show you how to implement processes with Activiti. You'll dive into key areas of process modeling, including workflow, ESB usage, process monitoring, event handling, business rule engines, and document management integration. Written for business application developers. Familiarity with Java and BPMN is helpful but not required. 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. What's Inside Activiti from the ground up Dozens of real-world examples Integrate with standard Java tooling Table of Contents PART 1 INTRODUCING BPMN 2.0 AND ACTIVITI Introducing the Activiti framework BPMN 2.0: what's in it for developers? Introducing the Activiti tool stack Working with the Activiti process engine PART 2 IMPLEMENTING BPMN 2.0 PROCESSES WITH ACTIVITI Implementing a BPMN 2.0 process Applying advanced BPMN 2.0 and extensions Dealing with error handling Deploying and configuring the Activiti Engine Exploring additional Activiti modules PART 3 ENHANCING BPMN 2.0 PROCESSES Implementing advanced workflow Integrating services with a BPMN 2.0 process Ruling the business rule engine Document management using Alfresco Business monitoring and Activiti PART 4 MANAGING BPMN 2.0 PROCESSES? Managing the Activiti Engine

Human Aspects of Information Security, Privacy, and Trust - Theo Tryfonas 2016-07-04
This book constitutes the proceedings of the 4th International Conference on Human Aspects of Information Security, Privacy, and Trust, HAS 2016, held as part of the 18th International Conference on Human-Computer Interaction, HCII 2016, held in Toronto, ON, Canada, in July 2016 and received a total of 4354 submissions, of which 1287 papers were accepted for publication after a careful reviewing process. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The 25 papers presented in the HAS 2016 proceedings are organized in topical sections as follows: human factors of authentication; security, privacy, and human behavior; and security technologies.

ArchiMate® 2.1 – A Pocket Guide - Andrew Josey et al. 2013-12-18
ArchiMate®, an Open Group Standard, is an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. ArchiMate provides instruments to enable enterprise architects to describe, analyze, and visualize the relationships among business domains in an unambiguous way. This Pocket Guide is based on ArchiMate® 2.1. It gives a concise introduction to ArchiMate. What's more, it's authoritative with material derived from the official ArchiMate documentation. Topics covered include: • A high-level introduction to ArchiMate and its relationship to Enterprise Architecture; • The Business Layer, which includes the modeling concepts relevant in the business domain; • The Application Layer, which includes modeling concepts relevant for software applications; • The Technology Layer, which includes modeling concepts relevant for system software applications and infrastructure; • The relationships that the ArchiMate language includes to model the links between elements, and also the relationships to model the cross-layer dependencies; • The Motivation Extension; • The Implementation and Migration Extension; • The ArchiMate framework for defining and classifying ArchiMate viewpoints, including a summary of all the viewpoints in the ArchiMate 2.1 Standard; • The ArchiSurance Case Study, a fictitious example developed to illustrate use of the Modeling language in the context of the TOGAF Framework.

BPMN: the Business Process Modeling Notation Pocket Handbook - Patrice Briol 2013-02-04
The BPMN Business Process Modeling Notation, Pocket Handbook is addressed to the individuals involved in a Business Process Management initiative. This handbook can be used both by the analyst and the IT developer in a design or improve of the enterprise business processes. Based on the BPMN specification 1.0 and 1.1, it describes clearly all elements of the notation in addition of some samples.

Business Process Automation with BPMS - Patrice Briol 2014-12-17
The quest for the operational excellence has started few years ago. Among the solutions to achieve that goal, companies have tried to adopt new information technologies, the BPMS, with the promises that their business processes would be easily automated. So, what happened? Based on a market study, this essay tries to determine the best organisational environment setup by comparing the implementation of the current information automation systems with the industrialization of the early twentieth century. This book focuses on social aspects of automation and the criteria that will ensure the successful implementation of the BPMS within the organisations. This book is designed for the professionals and practitioners who are responsible to introduce the business process management initiative within organizations. It would be useful for the postgraduate students of management as well.