

Basiswissen Requirements Engineering

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Fundamentals, Principles, and Techniques Apress

Requirements engineering is the process of eliciting individual stakeholder requirements and needs and developing them into detailed, agreed requirements documented and specified in such a way that they can serve as the basis for all other system development activities. In this textbook, Klaus Pohl provides a comprehensive and well-structured introduction to the fundamentals, principles, and techniques of requirements engineering. He presents approved techniques for eliciting, negotiating and documenting as well as validating, and managing requirements for software-intensive systems. The various aspects of the process and the techniques are illustrated using numerous examples based on his extensive teaching experience and his work in industrial collaborations. His presentation aims at professionals, students, and lecturers in systems and software engineering or business applications development. Professionals such as project managers, software architects, systems analysts, and software engineers will benefit in their daily work from the didactically well-presented combination of validated procedures and industrial experience. Students and lecturers will appreciate the comprehensive description of sound fundamentals, principles, and techniques, which is completed by a huge commented list of references for further reading. Lecturers will find additional teaching material on the book's website, www.requirements-book.com.

Springer

Requirements engineering tasks have become increasingly complex. In order to ensure a high level of knowledge and competency among requirements engineers, the International Requirements Engineering Board (IREB) developed a standardized qualification called the Certified Professional for Requirements Engineering (CPRE). The certification defines the practical skills of a requirements engineer on various training levels. This book is designed for self-study and covers the curriculum for the Certified Professional for Requirements Engineering Foundation Level exam as defined by the IREB. The 2nd edition has been thoroughly revised and is aligned with the curriculum Version 2.2 of the IREB. In addition, some minor corrections to the 1st edition have been included. About IREB: The mission of the IREB is to contribute to the standardization of further education in the fields of business analysis and requirements engineering by providing syllabi and examinations, thereby achieving a higher level of applied requirements engineering. The IRE Board is comprised of a balanced mix of independent, internationally recognized experts in the fields of economy, consulting, research, and science. The IREB is a non-profit corporation. For more information visit www.certified-re.com

Discovering Requirements Basiswissen Requirements EngineeringAus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering

Foundation LevelBasiswissen Requirements EngineeringAus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering Foundation LevelRequirements Engineering FundamentalsA Study Guide for the Certified Professional for Requirements Engineering Exam - Foundation Level - Ireb CompliantRequirements engineering tasks have become increasingly complex. In order to ensure a high level of knowledge and competency among requirements engineers, the International Requirements Engineering Board (IREB) developed a standardized qualification called the Certified Professional for Requirements Engineering (CPRE). The certification defines the practical skills of a requirements engineer on various training levels. This book is designed for self-study and covers the curriculum for the Certified Professional for Requirements Engineering Foundation Level exam as defined by the IREB. The 2nd edition has been thoroughly revised and is aligned with the curriculum Version 2.2 of the IREB. In addition, some minor corrections to the 1st edition have been included. About IREB: The mission of the IREB is to contribute to the standardization of further education in the fields of business analysis and requirements engineering by providing syllabi and examinations, thereby achieving a higher level of applied requirements engineering. The IRE Board is comprised of a balanced mix of independent, internationally recognized experts in the fields of economy, consulting, research, and science. The IREB is a non-profit corporation. For more information visit www.certified-re.com.Basiswissen Requirements EngineeringAus- und Weiterbildung zum "Certified Professional for Requirements Engineering" ; Foundation Level nach IREB-StandardHauptbeschreibung Hinweis: Dieses E-Book ist nicht mit interaktiven Elementen (aktives Inhaltsverzeichnis, Querverweise) ausgestattet! Wir bieten Ihnen das PDF daher zu einem günstigeren Preis an. Der 'Certified Professional for Requirements Engineering' hat sich als international standardisiertes Aus- und Weiterbildungsprogramm etabliert. Dieses Lehrbuch ist das erste für die Zertifizierung zum Foundation Level, geschrieben von Mitgliedern des International Requirements Engineering Board (IREB), die den Lehrplan mit entwickelt haben. Es umfasst Grundlagenwissen in den Gebieten.Basiswissen Requirements Engineering, 1st EditionBasiswissen Requirements Engineering (iSQI-Reihe)Aus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering Foundation LevelBasiswissen Requirements EngineeringAus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering Foundation LevenBasiswissen Requirements Engineering, 4th EditionBasiswissen requirements engineeringAus- und Weiterbildung zum "Certified Professional for Requirements Engineering" ; Foundation Level nach IREB-Standard-Offizielles Lehrbuch zum "Certified Professional for Requirements Engineering - Foundation Level"- geschrieben von Mitgliedern des IREB-Boards und Autoren des Lehrplans- sehr renommiertes Autorenteam.Requirements EngineeringFundamentals, Principles, and Techniques Dieses Lehrbuch umfasst den erforderlichen Stoff zum Ablegen der Prüfung » Certified Professional for Requirements Engineering (Foundation Level) « nach IREB-Standard. Es vermittelt das Grundlagenwissen und behandelt die

wesentlichen Prinzipien und Praktiken sowie wichtige Begriffe und Konzepte. Die Themen im Einzelnen: - Grundlegende Prinzipien des Requirements Engineering- Arbeitsprodukte und Dokumentationspraktiken- Praktiken für die Erarbeitung von Anforderungen- Prozess und Arbeitsstruktur- Praktiken für das Requirements Management- Werkzeugunterstützung Die 5. Auflage wurde komplett überarbeitet, ist konform zum IREB-Lehrplan Foundation Level Version 3.0 und wurde angereichert mit interaktiven Elementen wie animierte Grafiken und Videos.

Aus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering Foundation Level Springer Science & Business Media

This comprehensive guide has been fully revised to cover UML 2.0, today's standard method for modelling software systems. Filled with concise information, it's been crafted to help IT professionals read, create, and understand system artefacts expressed using UML. Includes an example-rich tutorial for those who need familiarizing with the system.

An Introduction to the 5th Generation Mobile Networks Springer Nature

This book covers everything you need to master the iSAQB® Certified Professional for Software Architecture - Foundation Level (CPSA-F) certification. This internationally renowned education and certification schema defines various learning path for practical software architects. This book concentrates on the foundation level examination. It explains and clarifies all 40+ learning goals of the CPSA-F® curriculum. In addition, you find step-by-step preparation guide for the examination. Please beware: This book is not meant as a replacement for existing software architecture books and courses, but strongly focusses on explaining and clarifying the iSAQB CPSA-F foundation.

Lehrbuch: Der umfassende Einstieg Aufgabenbuch: Aufgaben und Lösungen John Wiley & Sons

Hauptbeschreibung Hinweis: Dieses E-Book ist nicht mit interaktiven Elementen (aktives Inhaltsverzeichnis, Querverweise) ausgestattet! Wir bieten Ihnen das PDF daher zu einem günstigeren Preis an. Der 'Certified Professional for Requirements Engineering' hat sich als international standardisiertes Aus- und Weiterbildungsprogramm etabliert. Dieses Lehrbuch ist das erste für die Zertifizierung zum Foundation Level, geschrieben von Mitgliedern des International Requirements Engineering Board (IREB), die den Lehrplan mit entwickelt haben. Es umfasst Grundlagenwissen in den Gebieten.

Basiswissen Requirements Engineering Birkhäuser
Masonry construction is usually the first building exercise the student encounters in his or her training. This volume elaborates the fundamental principles of scale, construction, and assembly of building components using simple masonry structures as examples. Themes: Materials and measurements Building physics and load-bearing structures Typical bonds Building components Execution of masonry structures

Basiswissen für die Zertifikatsprüfung "Certified professional for requirements engineering" foundation level CRC Press

Basiswissen Requirements EngineeringAus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering Foundation LevelBasiswissen Requirements

EngineeringAus- und Weiterbildung nach IREB-Standard zum Certified Professional for Requirements Engineering Foundation LevelRequirements Engineering FundamentalsA Study Guide for the Certified Professional for Requirements Engineering Exam - Foundation Level - Ireb Compliant

Basiswissen für die Zertifikatsprüfung

"Certified Professional for Requirements Engineering" Foundation Level. Aufgabenbuch : [Aufgaben und Lösungen] "O'Reilly Media, Inc."

Digital Business Transformation, Digitalisation, Business Strategy, Business Process, Business Analysis, Business Architecture, Business Models This book serves practitioners as a guide to digital business engineering. It was consciously conceived and prepared from a methodological perspective, thereby avoiding a strongly "technological" approach, rather focusing on the presentation of methods and instruments. Its basis is a tried and tested framework model that can be understood as the ideal management cycle of digital business engineering. The control loop consists of goal-setting (Chapter 1: Setting a Business Strategy), implementation (Chapters 2-5), and success assessment (Chapter 6: Validating the Success of Business Transformation) and is located in an outer circuit. The operational implementation phases of digital business engineering are part of the inner cycle: Defining a Business Case (Chapter 2), Eliciting the Business Processes (Chapter 3), Deriving the Business Requirements (Chapter 4), and Transforming the Business Architecture (Chapter 5). The book follows a didactic structure: Each chapter includes learning objectives, summaries, and repetition questions with solutions that can help the reader to reassure themselves and strengthen their knowledge. Users who want to familiarise themselves with the field of digital business engineering thus have material at their disposal that is ideal for self-study. But these modules can also help experienced digital business engineers to deepen their knowledge in their organisation and to strengthen their overall methodological competence.

Basiswissen Requirements Engineering Springer Science & Business Media

Processes for developing safety-critical systems impose special demands on ensuring requirements traceability. Achieving valuable traceability information, however, is especially difficult concerning the transition from requirements to design. Bernhard Turban analyzes systems and software engineering theories cross-cutting the issue (embedded systems development, systems engineering, software engineering,

requirements engineering and management, design theory and processes for safety-critical systems). As a solution, the author proposes a new tool approach to support designers in their thinking in order to achieve traceability as a by-product to normal design activities and to extend traceability information with information about design decision rationale.

Going beyond business models and getting down to digital business processes dpunkt.verlag

5G mobile networks use new concepts and technologies to provide current and future applications from high bit-rate smartphones to highly available Car-to-X and IoT applications. But not only technology is an issue. Also, the environmental impact is under discussion. These topics are presented here in a well-founded introduction, with the focus on innovative concepts and technologies, including standardization.

Software Architecture Foundation Springer Science & Business Media

Roof structures are often treated in connection with masonry construction in the student's first designs. What are the different ways to create a protective canopy for a building, and what are the different forms such a structure may take? Themes: Types and function of roofs Frames Construction principles Coverings Building physics of roof construction

Basiswissen Requirements Engineering, 1st Edition Pearson Education

Publisher Fact Sheet A concise, hands-on approach to managing & improving the critical requirements process in software development.

Basiswissen Requirements Engineering, 3rd Edition Springer Science & Business Media
- Offizielles Lehrbuch zum "Certified Professional for Requirements Engineering - Foundation Level"- geschrieben von Mitgliedern des IREB-Boards und Autoren des Lehrplans- sehr renommiertes Autorenteam.

Basics Roof Construction Springer Science & Business Media

This book reflects the shift in design paradigm in automobile industry. It presents future innovations, often referred as "automotive systems engineering". These cause fundamental innovations in the field of driver assistance systems and electro-mobility as well as fundamental changes in the architecture of the vehicles. New driving functionalities can only be realized if the software programs of multiple electronic control units work together correctly. This volume presents the new and innovative methods which are mandatory to master the complexity of the vehicle of the future.

A Text/Work Book Rocky Nook, Inc.

Software architecture is an important factor for the success of any software project. In the context of systematic design and construction, solid software architecture ensures the fulfilment of quality requirements such as expandability, flexibility, performance, and

time-to-market. Software architects reconcile customer requirements with the available technical options and the prevailing conditions and constraints. They ensure the creation of appropriate structures and smooth interaction of all system components. As team players, they work closely with software developers and other parties involved in the project. This book gives you all the basic know-how you need to begin designing scalable system software architectures. It goes into detail on all the most important terms and concepts and how they relate to other IT practices. Following on from the basics, it describes the techniques and methods required for the planning, documentation, and quality management of software architectures. It details the role, the tasks, and the work environment of a software architect, as well as looking at how the job itself is embedded in company and project structures. The book is designed for self-study and covers the curriculum for the Certified Professional for Software Architecture - Foundation Level (CPSA-F) exam as defined by the International Software Architecture Qualification Board (iSAQB).

5G Springer Science & Business Media

- Offizielles Lehrbuch zum "Certified Professional for Requirements Engineering - Foundation Level"--Geschrieben von Mitgliedern des IREB-Boards und Autoren des Lehrplans- sehr renommiertes Autorenteam.

Requirements Engineering Fundamentals vdf Hochschulverlag AG

In 2013, the International Conference on Advance Information Systems Engineering (CAiSE) turns 25. Initially launched in 1989, for all these years the conference has provided a broad forum for researchers working in the area of Information Systems Engineering. To reflect on the work done so far and to examine prospects for future work, the CAiSE Steering Committee decided to present a selection of seminal papers published for the conference during these years and to ask their authors, all prominent researchers in the field, to comment on their work and how it has developed over the years. The scope of the papers selected covers a broad range of topics related to modeling and designing information systems, collecting and managing requirements, and with special attention to how information systems are engineered towards their final development and deployment as software components. With this approach, the book provides not only a historical analysis on how information systems engineering evolved over the years, but also a fascinating social network analysis of the research community. Additionally, many inspiring ideas for future research and new perspectives in this area are sparked by the intriguing comments

of the renowned authors.

Software Product Line Engineering Rocky Nook, Inc.
Requires only a basic knowledge of mathematics and
is geared toward the general educated specialists.
Includes a gallery of color images and Mathematica
code listings.

Getting Requirements Right Van Haren

Here is a book for those who need to enhance
their command of the English language with the
terminology of geosciences. It includes
coverage of a wide array of subjects from all
branches and disciplines of geosciences.