

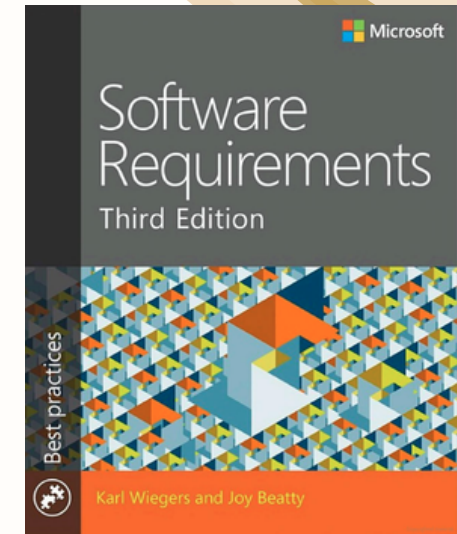
Buku Baharu/ New Books Jun 2026

**PERPUSTAKAAN
LINGKUNGAN KEDUA**

Title : Software requirements/ Third edition
Author : Karl Wiegers and Joy Beatty
ISBN : 9780735679665
Publisher : Microsoft Press
Year : 2013
Call Number : QA76.76.D47W534 2013 3

Abstract

Now in its 3rd Edition, this classic guide to software requirements engineering has been fully updated with new topics, examples, and guidance. Two leaders in the requirements community have teamed up to deliver a contemporary set of practices covering the full range of requirements development and management activities on software projects. Describes practical, effective, field-tested techniques for managing the requirements engineering process from end to end. Provides examples demonstrating how requirements "good practices" can lead to fewer change requests, higher customer satisfaction, and lower development costs. Fully updated with contemporary examples and many new practices and techniques. Describes how to apply effective requirements practices to agile projects and numerous other special project situations.



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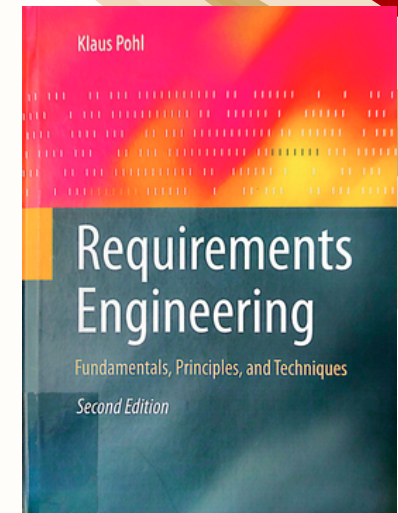
More Info :

<https://tinyurl.com/55rae3c6>

Title : Requirements engineering : fundamentals, principles, and techniques / Second edition
Author : Klaus Pohl
ISBN : 9783662692042
Publisher : Springer
Year : 2025
Call Number : QA76.758.P636 2025 3

Abstract

The book is structured in five parts. Part I "Fundamentals and Framework" provides a comprehensive introduction to the fundamentals of RE, illustrates why it is a critical success factor for any software development project, and describes different ways of implementing it in an organization and its role in different software engineering process models. Part II "Requirements Engineering Context" explains the essential role and influence of the RE context on system requirements, defines basic terms, and introduces the concept of context perspectives to support context consideration. Part III "Core Activities" describes requirements elicitation, documentation, and negotiation and conflict resolution strategies. Part IV "Requirements Artefacts" explains the management of goals, scenarios, and solution-oriented requirements, including methodologies like i and KAOS. Eventually, Part V "Cross-Sectional Activities" details four validation and three management activities.*



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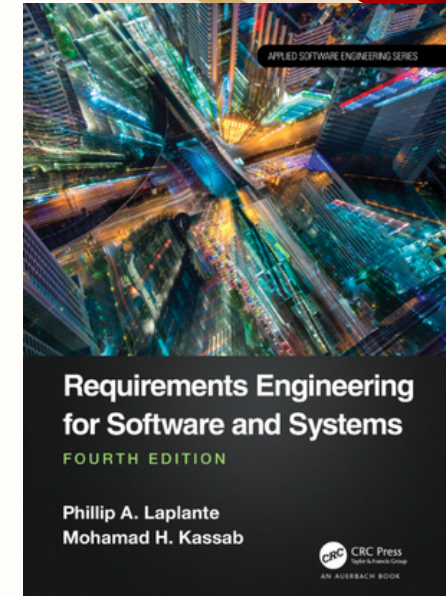
More Info :

<https://tinyurl.com/5d9n3xuz>

Title : Requirements engineering for software and systems / Fourth edition
Author : Phillip A. Laplante, Mohamad Kassab
ISBN : 9781032275994
Publisher : CRC Press
Year : 2022
Call Number : QA76.758.L344 2022 3

Abstract

Requirements Engineering for Software and Systems, Fourth Edition is intended to provide a comprehensive treatment of the theoretical and practical aspects of discovering, analyzing, modeling, validating, testing, and writing requirements for systems of all kinds, with an intentional focus on software-intensive systems. It brings into play a variety of formal methods, social models, and modern requirements writing techniques to be useful to practicing engineers. The book is intended for professional software engineers, systems engineers, and senior and graduate students of software or systems engineering.



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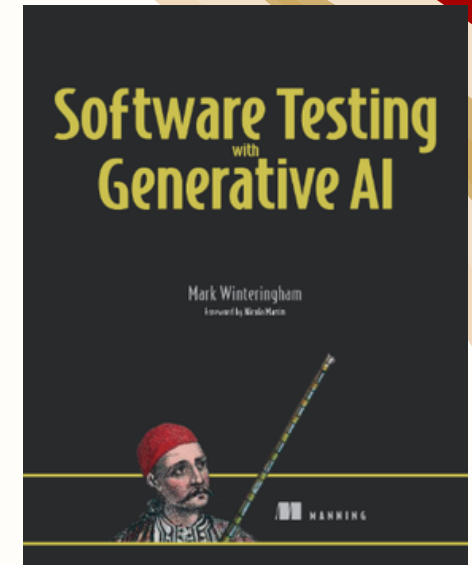
Title : Software testing with generative AI
Author : Mark Winteringham ; foreword by Nicola Martin
ISBN : 9781633437364
Publisher : Manning
Year : 2025
Call Number : QA76.76.T48W536 3

Abstract

Software Testing with Generative AI shows you how AI can elevate every aspect of testing—automation, test data management, test scripting, exploratory testing, and more! Learn how to use AI coding tools like Copilot to guide test-driven development, get relevant feedback about your applications from ChatGPT, and use the OpenAI API to integrate AI into your data generation. You'll soon have higher-quality testing that takes up less of your time.

What's inside

- Improve test quality and coverage
- AI-powered test automation
- Build agents that act as testing assistants



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<https://tinyurl.com/4xep7cv5>

Title : **Foundations of software testing : ISTQB certification / Fourth edition**
Author : **Dorothy Graham, Rex Black, Erik van Veenendaal**
ISBN : **9789391566210**
Publisher : **Cengage Learning India Pvt. Ltd.**
Year : **2020**
Call Number : **QA76.76.T48G733 2020 3**

Abstract

Now in its fourth edition, Foundations of Software Testing: ISTQB Certification is the essential guide to software testing and to the ISTQB Foundation qualification. Completely updated to comprehensively reflect the most recent changes to the 2018 ISTQB Foundation Syllabus, the book adopts a practical, hands-on approach, covering the fundamental topics that every system and software tester should know. The authors are themselves developers of the ISTQB syllabus and are highly respected international authorities and teachers within the field of software testing. About ISTQB ISTQB is a multinational body overseeing the development of international qualifications in software testing.



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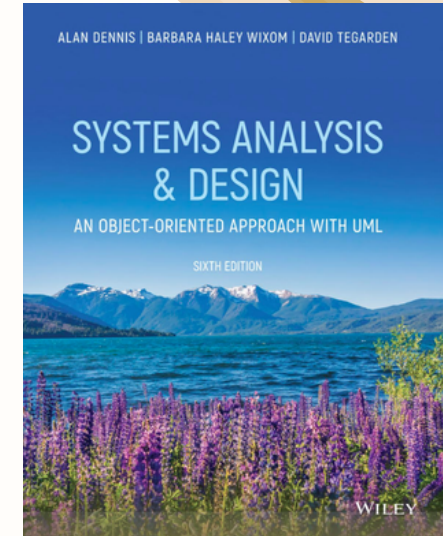
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<https://tinyurl.com/abvycx6b>

Title : **Systems analysis and design : an object-oriented approach with UML / Sixth edition**
Author : **Alan Dennis, Barbara Haley Wixom, David Tegarden**
ISBN : **9781119559917**
Publisher : **Wiley**
Year : **2021**
Call Number : **QA76.64.D455 2021 3**

Abstract

Systems Analysis and Design: An Object-Oriented Approach with UML, Sixth Edition helps students develop the core skills required to plan, design, analyze, and implement information systems. Offering a practical hands-on approach to the subject, this textbook is designed to keep students focused on doing SAD, rather than simply reading about it. Each chapter describes a specific part of the SAD process, providing clear instructions, a detailed example, and practice exercises. Students are guided through the topics in the same order as professional analysts working on a typical real-world project. Now in its sixth edition, this edition has been carefully updated to reflect current methods and practices in SAD and prepare students for their future roles as systems analysts.



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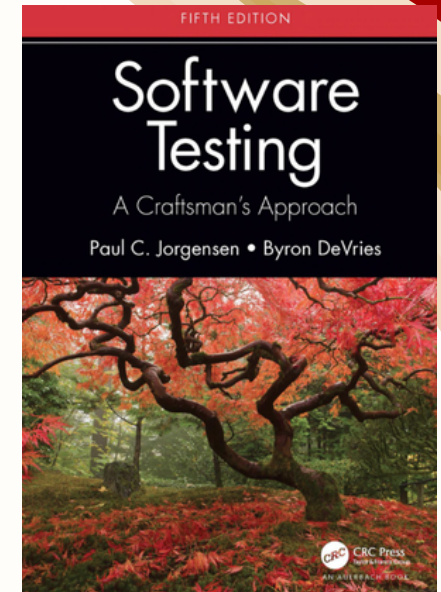
<https://tinyurl.com/2wb3yez6>

Title : **Software testing : a craftsman's approach / Fifth edition**
Author : **Paul C. Jorgensen, Byron DeVries**
ISBN : **9780367358495**
Publisher : **CRC Press**
Year : **2021**
Call Number : **QA76.76.T48J677 2021 3**

Abstract

This updated and reorganized Fifth edition of Software Testing: A Craftsman's Approach continues to be a valuable reference for software testers, developers, and engineers, by applying the strong mathematics content of previous editions to a coherent treatment of software testing. Responding to instructor and student survey input, the authors have streamlined chapters and examples. The Fifth Edition:

- Has a new chapter on feature interaction testing that explores the feature interaction problem and explains how to reduce tests
- Uses Java instead of pseudo-code for all examples including structured and object-oriented ones.
- Presents model-based development and provides an explanation of how to conduct testing within model-based development environments.
- Explains testing in waterfall, iterative, and agile software development projects.
- Explores test-driven development, reexamines all-pairs testing, and explains the four contexts of software testing



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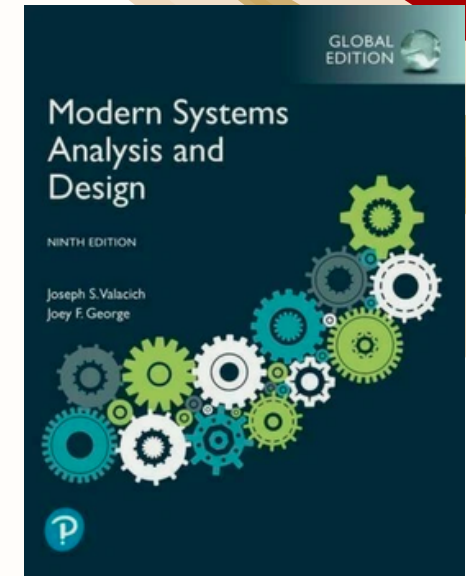
<https://tinyurl.com/4vmuans2>

Title : Modern systems analysis and design / Ninth edition
Author : Joseph S. Valacich, Joey F. George
ISBN : 9781292351629
Publisher : Pearson
Year : 2021
Call Number : QA76.9.S88V335 2021 3

Abstract

For courses in structured systems analysis and design.

Prioritising the practical over the technical, Modern Systems Analysis and Design presents the concepts, skills, methodologies, techniques, tools, and perspectives essential for systems analysts to develop information systems. The authors assume students have taken an introductory course on computer systems and have experience designing programs in at least one programming language. By drawing on the systems development life cycle, the authors provide a conceptual and systematic framework while progressing through topics logically. The 9th edition has been completely revised to adapt to the changing environment for systems development, with a renewed focus on agile methodologies.



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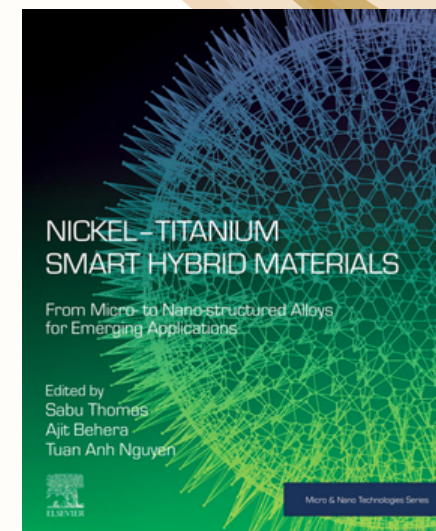
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<https://tinyurl.com/4k525zx9>

Title : Nickel-titanium smart hybrid materials : from micro- to nano-structured alloys for emerging applications
Editor : Sabu Thomas, Ajit Behera, Tuan Anh Nguyen
ISBN : 9780323911733
Publisher : Elsevier
Year : 2022
Call Number : TA418.9.S62N535 3

Abstract

Nickel-Titanium Smart Hybrid Materials: From Micro- to Nano-structured Alloys for Emerging Applications describes advanced properties that can be adapted in NiTi-alloys. Nickel-Titanium (NiTi) systems are receiving wide demand in growing industries due to their smart, high-temperature or biocompatible behavior. These influenced behaviors are carefully described in the micro-scale and nanoscale range, with NiTi smart materials described on the basis of their shape memory effect (SME) and super-elastic (SE) properties for sensor and actuator application. This book discusses novel properties of nickel-titanium systems, helping materials scientists and engineers produce smart technologies and systems for the aeronautical, automobile, mechanical, healthcare and electronics industries. Describes the use of nanotechnology and microtechnology in nickel-titanium-based systems Outlines the major properties of Nickel-Titanium Nanoalloys Assesses the major challenges of manufacturing nickel-titanium nanoalloys at an industrial scale.



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