

UML 2 Certification Guide Fundamental Intermediate Exams Fundamental And Intermediate Exams The MK OMG Press

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UML-2-Zertifizierung: fundamental, intermediate und advanced - Tim Weilkiens 2006

APPLYING UML & PATTERNS 3RD EDITION - Craig Larman 2015
Larman covers how to investigate requirements, create solutions and then translate designs into code, showing developers how to make practical use of the most significant recent developments. A summary of UML notation is included

Building the Agile Enterprise - Fred A. Cummins 2010-07-28
In the last ten years IT has brought fundamental changes to the way the world works. Not only has it increased the speed of operations and communications, but it has also undermined basic assumptions of traditional business models and increased the number of variables. Today, the survival of major corporations is challenged by a world-wide marketplace, international operations, outsourcing, global communities, a changing workforce, security threats, business continuity, web visibility, and customer expectations. Enterprises must constantly adapt

or they will be unable to compete. Fred Cummins, an EDS Fellow, presents IT as a key enabler of the agile enterprise. He demonstrates how the convergence of key technologies—including SOA, BPM and emerging enterprise and data models—can be harnessed to transform the enterprise. Cummins mines his 25 years experience to provide IT leaders, as well as enterprise architects and management consultants, with the critical information, skills, and insights they need to partner with management and redesign the enterprise for continuous change. No other book puts IT at the center of this transformation, nor integrates these technologies for this purpose. Shows how to integrate and deploy critical technologies to foster agility Details how to design an enterprise architecture that takes full advantage of SOA, BPM, business rules, enterprise information management, business models, and governance Outlines IT's critical mission in providing an integration infrastructure and key services, while optimizing technology adoption throughout the enterprise Illustrates concepts with examples and cases from large and small commercial enterprises Shows how to create systems that

recognize and respond to the need for change Identifies the unique security issues that arise with SOA and shows how to deploy a framework of technologies and processes that address them

UML 2 Toolkit - Hans-Erik Eriksson 2003-11-04

Gain the skills to effectively plan software applications and systems using the latest version of UML UML 2 represents a significant update to the UML specification, from providing more robust mechanisms for modeling workflow and actions to making the modeling language more executable. Now in its second edition, this bestselling book provides you with all the tools you'll need for effective modeling with UML 2. The authors get you up to speed by presenting an overview of UML and its main features. You'll then learn how to apply UML to produce effective diagrams as you progress through more advanced topics such as use-case diagrams, classes and their relationships, dynamic diagrams, system architecture, and extending UML. The authors take you through the process of modeling with UML so that you can successfully deliver a software product or information management system. With the help of numerous examples and an extensive case study, this book teaches you how to:

- * Organize, describe, assess, test, and realize use cases
- * Gain substantial information about a system by using classes
- * Utilize activity diagrams, state machines, and interaction diagrams to handle common issues
- * Extend UML features for specific environment or domains
- * Use UML as part of a Model Driven Architecture initiative
- * Apply an effective process for using UML

The CD-ROM contains all of the UML models and Java™ code for a complete application, Java™ 2 Platform, Standard Edition, Version 1.4.1, and links to the Web sites for vendors of UML 2 tools.

UML 2 Certification Guide - Tim Weilkiens 2007

"UML 2 Certification Guide" is the only official study guide to passing the new UML exams. This book systematically covers all of the topics addressed in the exams, and has been carefully reviewed by the OMG.
The Guide to IT Contracting - Samuel Blankson 2007

Aspect-Oriented Security Hardening of UML Design Models - Djedjiga Mouheb 2015-04-22

This book comprehensively presents a novel approach to the systematic security hardening of software design models expressed in the standard UML language. It combines model-driven engineering and the aspect-oriented paradigm to integrate security practices into the early phases of the software development process. To this end, a UML profile has been developed for the specification of security hardening aspects on UML diagrams. In addition, a weaving framework, with the underlying theoretical foundations, has been designed for the systematic injection of security aspects into UML models. The work is organized as follows: chapter 1 presents an introduction to software security, model-driven engineering, UML and aspect-oriented technologies. Chapters 2 and 3 provide an overview of UML language and the main concepts of aspect-oriented modeling (AOM) respectively. Chapter 4 explores the area of model-driven architecture with a focus on model transformations. The main approaches that are adopted in the literature for security specification and hardening are presented in chapter 5. After these more general presentations, chapter 6 introduces the AOM profile for security aspects specification. Afterwards, chapter 7 details the design and the implementation of the security weaving framework, including several real-life case studies to illustrate its applicability. Chapter 8 elaborates an operational semantics for the matching/weaving processes in activity diagrams, while chapters 9 and 10 present a denotational semantics for aspect matching and weaving in executable models following a continuation-passing style. Finally, a summary and evaluation of the work presented are provided in chapter 11. The book will benefit researchers in academia and industry as well as students interested in learning about recent research advances in the field of software security engineering.

Database Archiving - Jack E. Olson 2010-07-28

With the amount of data a business accumulates now doubling every 12 to 18 months, IT professionals need to know how to develop a system for archiving important database data, in a way that both satisfies regulatory requirements and is durable and secure. This important and timely new book explains how to solve these challenges without compromising the

operation of current systems. It shows how to do all this as part of a standardized archival process that requires modest contributions from team members throughout an organization, rather than the superhuman effort of a dedicated team. * Exhaustively considers the diverse set of issues—legal, technological, and financial—affecting organizations faced with major database archiving requirements. * Shows how to design and implement a database archiving process that is integral to existing procedures and systems. * Explores the role of players at every level of the organization—in terms of the skills they need and the contributions they can make. * Presents its ideas from a vendor-neutral perspective that can benefit any organization, regardless of its current technological investments. * Provides detailed information on building the business case for all types of archiving projects

OCP Java SE 7 Programmer II Certification Guide - Mala Gupta
2015-08-21

Summary OCP Java SE 7 Programmer II Certification Guide is a concise, focused study guide that prepares you to pass the OCP Java SE 7 Programmer II exam (1Z0-804) the first time you take it. The book systematically guides you through each exam objective, teaching and reinforcing the Java skills you need through examples, exercises, and cleverly constructed visual aids. In every chapter you'll find questions just like the ones you'll face in the real exam. Exam tips, diagrams, and review notes structure the learning process for easy retention. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book The OCP Java 7 certification tells potential employers that you've mastered the language skills you need to design and build professional-quality Java software. Passing the OCP isn't just about knowing your Java, though. You have to also know what to expect on the exam and how to beat the built-in tricks and traps. OCP Java SE 7 Programmer II Certification Guide is a comprehensive, focused study guide that prepares you to pass the OCP exam the first time you take it. It systematically guides you through each exam objective, reinforcing the Java skills you need through examples, exercises, and cleverly constructed visual aids. In every chapter you'll

find questions just like the ones you'll face on the real exam. Tips, diagrams, and review notes give structure to the learning process to improve your retention. Designed for readers with intermediate-level Java skills. What's Inside 100% coverage of the OCP Java SE 7 Programmer II exam (1Z0-804) Flowcharts, UML diagrams, and other visual aids Hands-on coding exercises Focuses on passing the exam, not the Java language itself About the Author Mala Gupta has been training programmers to pass Java certification exams since 2006. She holds the OCP Java SE 7 Programmer, SCWCD, and SCJP certifications and is the author of OCA Java SE 7 Programmer I Certification Guide (Manning 2013). Table of Contents Java class design Advanced class design Object-oriented design principles Generics and collections String processing Exceptions and assertions Java I/O fundamentals Java file I/O (NIO.2) Building database applications with JDBC Threads Concurrency Localization Bonus online chapter - Mock exam

SCEA Sun Certified Enterprise Architect for Java EE Study Guide (Exam 310-051) - Paul Allen 2007-07-12

Accompanied by a CD-ROM containing more than 250 simulated practice questions, a authoritative tutorial provides coverage of the new SCEA exam and encompasses the three components of the enterprise-level design certification from Sun Microsystems--a multiple-choice exam, a programming assignment, and an essay exam--with step-by-step exercises, chapter self-tests, and complete answer explanations. Original. (Intermediate/Advanced)

UML Bible - Tom Pender 2003-09-26

UML is an industry standard specification for modelling, visualizing, and documenting software projects. This title covers all aspects of the UML including the use of the UML, diagramming notation, the object constraint language (OCL), and profiles.

The Object Primer - Scott W. Ambler 2004-03-22

The acclaimed beginner's book on object technology now presents UML 2.0, Agile Modeling, and object development techniques.

A Practical Guide to SysML - Sanford Friedenthal 2009-08-25

A Practical Guide to SysML: The Systems Modeling Language is a

comprehensive guide to SysML for systems and software engineers. It provides an advanced and practical resource for modeling systems with SysML. The source describes the modeling language and offers information about employing SysML in transitioning an organization or project to model-based systems engineering. The book also presents various examples to help readers understand the OMG Systems Modeling Professional (OCSMP) Certification Program. The text is organized into four parts. The first part provides an overview of systems engineering. It explains the model-based approach by comparing it with the document-based approach and providing the modeling principles. The overview of SysML is also discussed. The second part of the book covers a comprehensive description of the language. It discusses the main concepts of model organization, parametrics, blocks, use cases, interactions, requirements, allocations, and profiles. The third part presents examples that illustrate how SysML supports different model-based procedures. The last part discusses how to transition and deploy SysML into an organization or project. It explains the integration of SysML into a systems development environment. Furthermore, it describes the category of data that are exchanged between a SysML tool and other types of tools, and the types of exchange mechanisms that can be used. It also covers the criteria that must be considered when selecting a SysML. Software and systems engineers, programmers, IT practitioners, experts, and non-experts will find this book useful. *The authoritative guide for understanding and applying SysML *Authored by the foremost experts on the language *Language description, examples, and quick reference guide included

OCEB 2 Certification Guide - Tim Weillkiens 2016-07-21

OCEB 2 Certification Guide, Second Edition has been updated to cover the new version 2 of the BPMN standard and delivers expert insight into BPM from one of the developers of the OCEB Fundamental exam, offering full coverage of the fundamental exam material for both the business and technical tracks to further certification. The first study guide prepares candidates to take—and pass—the OCEB Fundamental exam, explaining and building on basic concepts, focusing on key areas,

and testing knowledge of all critical topics with sample questions and detailed answers. Suitable for practitioners, and those newer to the field, this book provides a solid grounding in business process management based on the authors' own extensive BPM consulting experiences. Completely updated, with the latest material needed to pass the OCEB-2 and BPMN Certification Includes sample test questions in each chapter, with answers in the appendix Expert authors provide a solid overview of business process management (BPM)

Enterprise Patterns and MDA - Jim Arlow 2003-12-22

Enterprise Patterns and MDA teaches you how to customize any archetype pattern—such as Customer, Product, and Order—to reflect the idiosyncrasies of your own business environment. Because all the patterns work harmoniously together and have clearly documented relationships to each other, you'll come away with a host of reusable solutions to common problems in business-software design. This book shows you how using a pattern or a fragment of a pattern can save you months of work and help you avoid costly errors. You'll also discover how—when used in literate modeling—patterns can solve the difficult challenge of communicating UML models to broad audiences. The configurable patterns can be used manually to create executable code. However, the authors draw on their extensive experience to show you how to tap the significant power of MDA and UML for maximum automation. Not surprisingly, the patterns included in this book are highly valuable; a blue-chip company recently valued a similar, but less mature, set of patterns at hundreds of thousands of dollars. Use this practical guide to increase the efficiency of your designs and to create robust business applications that can be applied immediately in a business setting.

OCA Java SE 8 Programmer I Certification Guide - Mala Gupta 2016-09-09

Summary OCA Java SE 8 Programmer I Certification Guide prepares you for the 1Z0-808 with complete coverage of the exam. You'll explore important Java topics as you systematically learn what's required to successfully pass the test. Purchase of the print book includes a free

eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Book To earn the OCA Java SE 8 Programmer I Certification, you have to know your Java inside and out, and to pass the exam you need to understand the test itself. This book cracks open the questions, exercises, and expectations you'll face on the OCA exam so you'll be ready and confident on test day. OCA Java SE 8 Programmer I Certification Guide prepares Java developers for the 1Z0-808 with thorough coverage of Java topics typically found on the exam. Each chapter starts with a list of exam objectives mapped to section numbers, followed by sample questions and exercises that reinforce key concepts. You'll learn techniques and concepts in multiple ways, including memorable analogies, diagrams, flowcharts, and lots of well-commented code. You'll also get the scoop on common exam mistakes and ways to avoid traps and pitfalls. What's Inside Covers all exam topics Hands-on coding exercises Flowcharts, UML diagrams, and other visual aids How to avoid built-in traps and pitfalls Complete coverage of the OCA Java SE 8 Programmer I exam (1Z0-808) About the Reader Written for developers with a working knowledge of Java who want to earn the OCA Java SE 8 Programmer I Certification. About the Author Mala Gupta is a Java coach and trainer who holds multiple Java certifications. Since 2006 she has been actively supporting Java certification as a path to career advancement. Table of Contents Introduction Java basics Working with Java data types Methods and encapsulation Selected classes from the Java API and arrays Flow control Working with inheritance Exception handling Full mock exam

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.

SOA and Web Services Interface Design - James Bean 2009-09-25

In SOA and Web Services Interface Design, data architecture guru James Bean teaches you how to design web service interfaces that are capable of being extended to accommodate ever changing business needs and

promote incorporation simplicity. The book first provides an overview of critical SOA principles, thereby offering a basic conceptual summary. It then provides explicit, tactical, and real-world techniques for ensuring compliance with these principles. Using a focused, tutorial-based approach the book provides working syntactical examples - described by Web services standards such as XML, XML Schemas, WSDL and SOAP - that can be used to directly implement interface design procedures, thus allowing you immediately generate value from your efforts. In summary, SOA and Web Services Interface Design provides the basic theory, but also design techniques and very specific implementable encoded interface examples that can be immediately employed in your work, making it an invaluable practical guide to any practitioner in today's exploding Web-based service market. Provides chapters on topics of introductory WSDL syntax and XML Schema syntax, taking the reader through fundamental concepts and into deeper techniques and allowing them to quickly climb the learning curve. Provides working syntactical examples - described by Web services standards such as XML, XML Schemas, WSDL and SOAP - that can be used to directly implement interface design procedures. Real-world examples generated using the Altova XML Spy tooling reinforce applicability, allowing you to immediately generate value from their efforts.

Reverse Method Engineering - Christian Seel 2010

Die Informationsmodellierung hat sich als zentrales Analyse- und Gestaltungsinstrument der Wirtschaftsinformatik etabliert. Dabei erfolgt die Erstellung von Informationsmodellen unter Verwendung verschiedener Informationsmodellierungstechniken. Um auf die Besonderheiten einzelner Domänen, wie das Supply Chain Management, eingehen zu können, werden fortwährend neue Informationsmodellierungstechniken entwickelt oder bereits existierende angepasst. Mit dem Reverse Method Engineering wird ein strukturiertes Vorgehen dargestellt, das sowohl zur Neukonstruktion als auch zur Adaption von Informationsmodellierungstechniken geeignet ist und den Modellierer starker als bisher ins Zentrum des Spezifikationsprozesses rückt. Das Reverse Method Engineering ist für fünf verschiedene

Einsatzszenarien konfigurierbar und verwendet die OMG-Standards Meta Object Facility (MOF) und Software Process Engineering Metamodel (SPEM). Neben der Darstellung des methodischen Vorgehens wird ausserdem ein informationstechnisches Konzept für das Reverse Method Engineering vorgeschlagen, das eine durchgängige Unterstützung des Spezifikationsprozesses bietet sowie die Automatisierung einzelner Spezifikationsschritte erlaubt. Die Entwicklung des Reverse Method Engineering basiert auf einer explorativen, empirischen Untersuchung, die besonders auf die Anforderungen der Praxis an die Spezifikation von Modellierungstechniken eingeht. Dadurch eignet sich das Reverse Method Engineering für die Spezifikation von Modellierungstechniken in Forschung und Praxis.

UML 2.5 - Laurent Debrauwer 2016

"Este libro sobre UML 2.5 está dirigido tanto a estudiantes como a desarrolladores que se ocupan del modelado de sistemas, de programas y de procesos. Etapa a etapa, el lector descubrirá los elementos de modelado a partir de ejemplos pedagógicos. Tras una introducción a la orientación a objetos, la obra presenta los diferentes diagramas de UML 2.5, desde la descripción de los requisitos a partir de casos de uso, hasta el diagrama de perfil, pasando por los diagramas de interacción, de clases, de estructura compuesta, de estados transiciones y de actividades. El lector aprenderá de qué manera los diagramas de interacción pueden utilizarse para descubrir los objetos que componen el sistema. Esta nueva edición del libro enriquece la descripción de numerosos diagramas e introduce en particular las clases y empaquetados template así como la relación de fusión de los empaquetados."--ENI Ediciones.

SCJP: Sun Certified Programmer for Java Platform Study Guide -

Richard F. Raposa 2009-04-08

Sun's foundation-level Sun Certified Java Programmer (SCJP) for Standard Edition 6 is a must-have for any Java programmer, and is a prerequisite for Sun's specialty certifications. This resource is essential preparation for the SCJP and focuses heavily on the skill set that Sun

expects its SCJPs to have, with numerous examples, exercises, and real-world scenarios to give readers the tools needed to use what they learn. The material covers declarations, initialization, and scoping; flow control; API contents; concurrency; object-oriented concepts; collections/generics; and fundamentals. The interactive CD-ROM features chapter review questions, two bonus exams, a series of flashcards that can be used on PCs or handheld devices, and an e-book. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Information Systems Transformation - William M. Ulrich 2010-02-04

Every major enterprise has a significant installed base of existing software systems that reflect the tangled IT architectures that result from decades of patches and failed replacements. Most of these systems were designed to support business architectures that have changed dramatically. At best, these systems hinder agility and competitiveness and, at worst, can bring critical business functions to a halt. Architecture-Driven Modernization (ADM) restores the value of entrenched systems by capturing and retooling various aspects of existing application environments, allowing old infrastructures to deliver renewed value and align effectively with enterprise strategies and business architectures. Information Systems Transformation provides a practical guide to organizations seeking ways to understand and leverage existing systems as part of their information management strategies. It includes an introduction to ADM disciplines, tools, and standards as well as a series of scenarios outlining how ADM is applied to various initiatives. Drawing upon lessons learned from real modernization projects, it distills the theory and explains principles, processes, and best practices for every industry. Acts as a one-stop shopping reference and complete guide for implementing various modernization models in myriad industries and departments Every concept is illustrated with real-life examples from various modernization projects, allowing you to immediately apply tested solutions and see results Authored by the Co-chair of the Object Management Group (OMG) Architecture-Driven Modernization (ADM) Task Force, which sets

definitive systems modernization standards for the entire IT industry A web site supports the book with up to date coverage of evolving ADM Specifications, Tutorials, and Whitepapers, allowing you to remain up to date on modernization topics as they develop

Real-Life MDA - Michael Guttman 2006-12-05

Model Driven Architecture (MDA) is a new approach to software development that helps companies manage large, complex software projects and save development costs while allowing new technologies that come along to be readily incorporated. Although it is based on many long-standing industry precepts and best practices, such as UML, it is enough of a departure from traditional IT approaches to require some "proof of the pudding." Real-Life MDA is composed of six case studies of real companies using MDA that will furnish that proof. The authors' approach MDA projects by describing all aspects of the project from the viewpoint of the end-users—from the reason for choosing an MDA approach to the results and benefits. The case studies are preceded by an introductory chapter and are followed by a wrap-up chapter summarizing lessons learned. Written for executives, analysts, architects, and engineers positioned to influence business-oriented software development at the highest levels Filled with concrete examples and analyses of how MDA is relevant for organizations of various sizes Considers a range of uses for MDA—from business process analysis to full-scale software modeling and development Presents results for each case study in terms of tangible, measured benefits, including automatically generated code, defect reduction, improved visibility, and ROI

Requirements Engineering Fundamentals, 2nd Edition - Klaus Pohl
2016-04-30

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

OCEB Certification Guide - Tim Weilkiens 2011-10-13

OCEB Certification Guide delivers expert insight into BPM from one of the developers of the OCEB Fundamental exam, offering full coverage of the exam material for both the business and technical tracks. The first study guide to prepare candidates to take and pass the OCEB Fundamental exam, it explains and builds on basic concepts, focusing on key areas and testing knowledge of all critical topics with sample questions and detailed answers. Suitable for practitioners and those newer to the field, this book provides a solid grounding in business process management based on the authors' own extensive BPM consulting experience. Covers all of the topics on the Fundamentals exam, eliminating hours otherwise spent in research and prep time Includes sample test questions in each chapter with all answers in the appendix Expert authors provide a solid overview of business process management (BPM)

Model-Driven Engineering and Software Development - Slimane Hammoudi 2015-12-11

This book constitutes thoroughly revised and selected papers from the Second International Conference on Model-Driven Engineering and Software Development, MODELSWARD 2014, held in Lisbon, Portugal, in January 2014. The 10 thoroughly revised and extended papers

presented in this volume were carefully reviewed and selected from 88 submissions. They are organized in topical sections named: invited papers; modeling languages, tools and architectures; and methodologies, processes and platforms.

Master Data Management - David Loshin 2010-07-28

The key to a successful MDM initiative isn't technology or methods, it's people: the stakeholders in the organization and their complex ownership of the data that the initiative will affect. Master Data Management equips you with a deeply practical, business-focused way of thinking about MDM—an understanding that will greatly enhance your ability to communicate with stakeholders and win their support. Moreover, it will help you deserve their support: you'll master all the details involved in planning and executing an MDM project that leads to measurable improvements in business productivity and effectiveness. * Presents a comprehensive roadmap that you can adapt to any MDM project. * Emphasizes the critical goal of maintaining and improving data quality. * Provides guidelines for determining which data to "master. * Examines special issues relating to master data metadata. * Considers a range of MDM architectural styles. * Covers the synchronization of master data across the application infrastructure.

Test Automation Fundamentals - Manfred Baumgartner 2022-08-30
Concepts, methods, and techniques—supported with practical, real-world examples The first book to cover the ISTQB® Certified Test Automation Engineer syllabus With real-world project examples - Suitable as a textbook, as a reference book for ISTQB® training courses, and for self-study This book provides a complete overview of how to design test automation processes and integrate them into your organization or existing projects. It describes functional and technical strategies and goes into detail on the relevant concepts and best practices. The book's main focus is on functional system testing. Important new aspects of test automation, such as automated testing for mobile applications and service virtualization, are also addressed as prerequisites for creating complex but stable test processes. The text also covers the increase in quality and potential savings that test automation delivers. The book is

fully compliant with the ISTQB® syllabus and, with its many explanatory examples, is equally suitable for preparation for certification, as a concise reference book for anyone who wants to acquire this essential skill, or for university-level study.

SysML Distilled - Lenny Delligatti 2014

SysML Distilled is a go-to reference for everyone who wants to start creating accurate and useful system models with SysML. Drawing on his pioneering experience creating models for Lockheed Martin and NASA, Lenny Delligatti illuminates SysML's core components, and shows how to use them even under tight deadlines and other constraints. The reader needn't know all of SysML to create effective models: SysML Distilled quickly teaches what does need to be known, and helps deepen the reader's knowledge incrementally as the need arises.

Business Modeling - David M. Bridgeland 2008-12-18

As business modeling becomes mainstream, every year more and more companies and government agencies are creating models of their businesses. But creating good business models is not a simple endeavor. Business modeling requires new skills. Written by two business modeling experts, this book shows you how to make your business modeling efforts successful. It provides in-depth coverage of each of the four distinct business modeling disciplines, helping you master them all and understand how to effectively combine them. It also details best practices for working with subject matter experts. And it shows how to develop models, and then analyze, simulate, and deploy them. This is essential, authoritative information that will put you miles ahead of everyone who continues to approach business modeling haphazardly. * Provides in-depth coverage of the four business modeling disciplines: process modeling, motivation modeling, organization modeling, and rules modeling. * Offers guidance on how to work effectively with subject matter experts and how to run business modeling workshops. * Details today's best practices for building effective business models, and describes common mistakes that should be avoided. * Describes standards for each business modeling discipline. * Explains how to analyze, simulate, and deploy business models. * Includes examples both

from the authors' work with clients and from a single running example that spans the book.

Fundamentals of Computer Programming with C# - Svetlin Nakov
2013-09-01

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C#

programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

UML 2 Certification Guide - Tim Weilkiens 2010-07-28

The popular Unified Modeling Language (UML) is both a language and notation developed by the Object Management Group (OMG) used to design and create specifications for software systems. With the recent release of version 2.0 UML, the OMG has started the OMG-Certified UML Professional Program to provide an objective measure of UML knowledge. As a certified UML professional a developer has an important

credential to present to employers and clients. Certification also benefits companies looking for skilled UML practitioners by giving them a basis for making hiring and promotion decisions. UML 2 Certification Guide is the only official study guide to passing the new UML exams. This book systematically covers all of the topics covered in the exams, and has been carefully reviewed by the OMG. The book begins by assuming only a basic knowledge of UML and then progresses far enough to allow a reader to pass both the fundamental and the intermediate level exams. Along the way the book also covers topics that are not in introductory books on UML but that are necessary to pass the exams. Tim Weilkiens is considered one of the top ten experts on UML, and both authors have extensive experience training developers to successfully take the exams. The official certification resource Assumes a basic knowledge of UML so that you can focus immediately on the exams Written by two authors known for their skill as trainers, consultants, and developers Developed systematically to enable you to master all exam topics—without exception Covers the use of UML for applications, as required by the exams, both inside and outside of the realm of software development Includes a practice exam, glossary, list of books, and website information

OCUP 2 Certification Guide - Michael Jesse Chonoles 2017-08-24
OCUP 2 Certification Guide: Preparing for the OMG Certified UML 2.5 Professional 2 Foundation Exam both teaches UML® 2.5 and prepares candidates to become certified. UML® (Unified Modeling Language) is the most popular graphical language used by software analysts, designers, and developers to model, visualize, communicate, test, and document systems under development. UML® 2.5 has recently been released, and with it a new certification program for practitioners to enhance their current or future career opportunities. There are three exam levels: Foundation, Intermediate, and Advanced. The exam covered in this book, Foundation, is a prerequisite for the higher levels. Author Michael Jesse Chonoles is a lead participant in the current OCUP 2 program—not only in writing and reviewing all the questions, but also in designing the goals of the program. This book distills his experience in modeling, mentoring, and training. Because UML® is a sophisticated

language, with 13 diagram types, capable of modeling any type of modern software system, it takes users some time to become proficient. This effective resource will explain the material in the Foundation exam and includes many practice questions for the candidate, including sample problems similar to those found in the exam, and detailed explanations of why correct answers are correct and why wrong answers are wrong. Written to prepare candidates for the OCUP 2 Foundation level exam while they learn UML® Illustrated with UML® diagrams to clarify every concept and technique Offers hints for studying and test-taking based on the specific nature and structure of the Foundation Level exam Includes practice exam material, sample questions and exercises, warnings, tips, and points to remember throughout

UML 2-Zertifizierung - Tim Weilkiens 2004-01-01

Zur Version 2.0 wurde die Unified Modeling Language von der Object Management Group (OMG) komplett überarbeitet, stark verbessert und in einigen Bereichen erweitert. Außerdem führte die OMG ein Qualifizierungsprogramm ein, das auf drei Zertifizierungsstufen aufbaut (Fundamental, Intermediate und Advanced). Dieses Buch führt Sie in alle relevanten Wissensgebiete für die Fundamental-Stufe des "OMG Certified UML Professional" ein und eignet sich zum Selbststudium sowie als Begleitlektüre für Vorbereitungskurse. Tim Weilkiens ist einer der führenden deutschen UML-Experten, arbeitet im internationalen Netzwerk der OMG im Bereich UML mit und war Beta-Tester des Zertifizierungsprogramms. Bernd Oestereich ist bekannt durch seine Buchpublikationen zu UML.

A Programmer's Guide to Java Certification - Khalid Azim Mughal 2000
Covers basic terminology and concepts of object oriented programming. Contains programming exercises and illustrations.

OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide - Jeanne Boyarsky 2015-12-14

Complete, trusted preparation for the Java Programmer II exam OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your comprehensive companion for preparing for Exam 1Z0-809 as well as upgrade Exam 1Z0-810 and Exam 1Z0-813. With full coverage of

100% of exam objectives, this invaluable guide reinforces what you know, teaches you what you don't know, and gives you the hands-on practice you need to boost your skills. Written by expert Java developers, this book goes beyond mere exam prep with the insight, explanations and perspectives that come from years of experience. You'll review the basics of object-oriented programming, understand functional programming, apply your knowledge to database work, and much more. From the basic to the advanced, this guide walks you through everything you need to know to confidently take the OCP 1Z0-809 Exam and upgrade exams 1Z0-810 and 1Z0-813. Java 8 represents the biggest changes to the language to date, and the latest exam now requires that you demonstrate functional programming competence in order to pass. This guide has you covered, with clear explanations and expert advice. Understand abstract classes, interfaces, and class design Learn object-oriented design principles and patterns Delve into functional programming, advanced strings, and localization Master IO, NIO, and JDBC with expert-led database practice If you're ready to take the next step in your IT career, OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your ideal companion on the road to certification.

UML 2 For Dummies - Michael Jesse Chonoles 2011-04-27

Uses friendly, easy-to-understand For Dummies style to help readers learn to model systems with the latest version of UML, the modeling language used by companies throughout the world to develop blueprints for complex computer systems Guides programmers, architects, and business analysts through applying UML to design large, complex enterprise applications that enable scalability, security, and robust execution Illustrates concepts with mini-cases from different business domains and provides practical advice and examples Covers critical topics for users of UML, including object modeling, case modeling, advanced dynamic and functional modeling, and component and deployment modeling

UML 2.0 in a Nutshell - Dan Pilone 2005

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.

Learning MySQL - Saied M.M. Tahaghoghi 2007-11-28

Presents instructions on using MySQL, covering such topics as installation, querying, user management, security, and backups and recovery.

Systems Engineering with SysML/UML - Tim Weilkiens 2011-08-29

UML, the Universal Modeling Language, was the first programming language designed to fulfill the requirement for "universality." However, it is a software-specific language, and does not support the needs of engineers designing from the broader systems-based perspective. Therefore, SysML was created. It has been steadily gaining popularity, and many companies, especially in the heavily-regulated Defense, Automotive, Aerospace, Medical Device and Telecomms industries, are already using SysML, or are planning to switch over to it in the near future. However, little information is currently available on the market regarding SysML. Its use is just on the crest of becoming a widespread phenomenon, and so thousands of software engineers are now beginning to look for training and resources. This book will serve as the one-stop, definitive guide that provide an introduction to SysML, and instruction on how to implement it, for all these new users. *SysML is the latest emerging programming language--250,000 estimated software systems engineers are using it in the US alone! *The first available book on SysML in English *Insider information! The author is a member of the SysML working group and has written sections of the specification *Special focus comparing SysML and UML, and explaining how both can work together