This textbook mainly addresses beginners and readers with a basic knowledge of object-oriented programming languages like Java or C#, but with little or no modeling or software engineering experience – thus reflecting the majority of students in introductory courses at universities. Using UML, it introduces basic modeling concepts in a highly precise manner, while refraining from the interpretation of rare special cases. After a brief explanation of why modeling is an indispensable part of software development, the authors introduce the individual diagram types of UML (the class and object diagram, the sequence diagram, the state machine diagram, the activity diagram, and the use case diagram), as well as their interrelationships, in a step-by-step manner. The topics covered include not only the syntax and the semantics of the individual language elements, but also pragmatic aspects, i.e., how to use them wisely at various stages in the software development process. To this end, the book is complemented with examples that were carefully selected for their educational and illustrative value. Overall, the book provides a solid foundation and deeper understanding of the most important object-oriented modeling concepts and their application in software development. An additional website offers a complete set of slides to aid in teaching the contents of the book, exercises and further learning material.

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.

Test Prep Books' pHR Certification Study Guide: pHR Study Guide & Practice Exam Questions for the Associate Professional in Human Resources Exam Made by Test Prep Books for test takers trying to achieve a passing score on the pHR exam, this comprehensive study guide includes: *Quick Overview* - Test-Taking Strategies - Introduction - Overview - Define Phase - Measure Phase - Analyze Phase - Improve Phase - Control Phase - Practice Questions - Detailed Answer Explanations. Disclaimer: Six Sigma Green Belt(R) and ASQ(R) are registered trademarks of the American Society for Quality, which was not involved in the production of, and does not endorse, this product. Each section of the test has a comprehensive review created by Test Prep Books that goes into detail to cover all of the content likely to appear on the Six Sigma certification test. The Test Prep Books Six Sigma practice test questions are each followed by detailed answer explanations. If you miss a question, it's important that you are able to understand the nature of your mistake and how to avoid making it again in the future. The answer explanations will help you to learn from your mistakes and overcome them. Understanding the latest test-taking strategies is essential to preparing you for what you will expect on the exam. A test taker has not only to understand the material that is being covered on the test, but also must be familiar with the strategies that are necessary to properly utilize the time provided and get through the test without making any avoidable errors. Test Prep Books has drilled down the top test-taking tips for you to know. Anyone planning to take this exam should take advantage of the Six Sigma training review material, practice test questions, and test-taking strategies contained in this Test Prep Books study guide.

This book explores a number of important issues in the area of occupational safety and hygiene. Presenting both research and best practices for the evaluation of occupational risk, safety and health in various types of industry, it particularly focuses on occupational safety in automated environments, innovative management systems and occupational safety in a global context. The different chapters examine the perspectives of all those involved, such as managers, workers and OSH professionals. Based on selected contributions presented at the 16th International Symposium on Occupational Safety and Hygiene (SHO 2020), held on 6–7 April, 2020, in Porto, Portugal, the book serves as a timely reference guide and source of inspiration to OSH researchers, practitioners and organizations operating in a global context.

Test Prep Book's Six Sigma Green Belt Study Guide: Test Prep Book & Practice Test Questions for the ASQ Six Sigma Green Belt Exam Developed by Test Prep Books for test takers trying to achieve a passing score on the Six Sigma Green Belt exam, this comprehensive study guide includes: *Quick Overview* - Test-Taking Strategies - Introduction - Overview - Define Phase - Measure Phase - Analyze Phase - Improve Phase - Control Phase - Practice Questions - Detailed Answer Explanations. *Disclaimer*: The American Society for Quality, which was not involved in the production of, and does not endorse, this product. Each section of the test has a comprehensive review created by Test Prep Books that goes into detail to cover all of the content likely to appear on the Six Sigma certification test. The Test Prep Books Six Sigma practice test questions are each followed by detailed answer explanations. If you miss a question, it's important to understand why. That way, you can avoid missing it again in the future. The answer explanations will help you learn from your mistakes. Knowing the latest test-taking strategies is essential for the exam. A test taker has to understand the material that is being covered. They also must be familiar with test strategies. These strategies are necessary to properly use the time provided. They also help test takers complete the test without making any errors. Test Prep Books has provided the top test-taking tips. Anyone planning to take this exam should take advantage of this Test Prep Books study guide. Purchase it today to receive access to: - pHR study guide & review materials - Practice test questions - Test-taking strategies -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.

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. CMQ/OE Exam Secrets helps you ace the Certified Manager of Quality/Organizational Excellence Exam, without weeks and months of endless studying. Our comprehensive CMQ/OE Exam Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. CMQ/OE Exam Secrets includes: The 5 Secret Keys to CMQ/OE Exam Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself: A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Miss the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Comprehensive sections including: Testing Tips, Why Certify?, Key Thinkers and Management Tools, Dr. Kaoru Ishikawa, Dr. Joseph Juran, Crosby, Deming, Affinity Diagram, Brainstorming, Prioritization Matrix, Gantt charts, Delphi Technique, Other Tools, Validity, Reliability, Quality Management Principles; Organizational Effectiveness, Quality Function Deployment, Introduction to Strategic Management, SWOT, Importance of mission, Criticisms of formal planning systems, What does the external environment consist of?, Plan-Do-Check-Act, Walter Shewhart, Workforce Planning, Getting Started by Building Support, Introduction to Project Management, The Big Picture, Ethics, Organizational Structure, Seven Pillars of Quality, Valid Recruitment and Selection Procedure, The Performance Appraisal, and much more...

A comprehensive reference manual to the Certified Quality Technician Body of Knowledge and study guide for the CQT exam. Human-Robot Interaction: A Survey presents a unified treatment of HRI-related issues, identifies key themes, and discusses challenge problems that are likely to shape the field in the near future. The survey includes research results from a cross section of the universities, government efforts, industry labs, and countries that contribute to HRI, and a cross section of the disciplines that contribute to the field, such as human factors, robotics, cognitive and psychology design

Compilation, trusted guidance for the Java Programmer 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 exams 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 comprehension 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. This Society for Human Resource Management Certified Professional Exam study guide includes Society for Human Resource Management Certified Professional Exam practice test questions. Our Society for Human Resource Management Certified Professional Exam study guide contains easy-to-read essential summaries that highlight the key areas of the Society for Human Resource Management Certified Professional Test. Mometrix's Society for Human Resource Management Certified Professional Test study guide reviews the most important components of the Society for Human Resource Management Certified Professional Exam. 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 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 Weikien's Society for Human Resource Management Certified Professional Test study guide reviews the most important components of the Society for Human Resource Management Certified Professional Exam. The recommend practice problems and exam questions.

Use this guide book in its fully updated second edition to study for the ITIL 4 Foundation certification exam. Know the latest ITIL framework and DevOps concepts. The book will take you through the new ITIL framework and nuances of the DevOps methodology. The book follows the topics included in the foundation certification exam syllabus and includes new sections on ITIL’s guiding principles, service value chain, and the four dimensions of service management. Also included are the concepts, processes, and philosophies used in DevOps programs and projects. ITIL and DevOps concepts are explained with relevant examples. By the time you finish this book, you will have a complete understanding of ITIL 4 and will be ready to take the ITIL 4 Foundation certification exam. You will know the DevOps methodology and how ITIL reinforces the philosophy of shared responsibility and collaboration. Over the course of a week, even while working your day job, you will be prepared to take the exam. What You Will Learn Know the basics of ITIL as you prepare for the ITIL Foundation certification exam Understand ITIL through examples Be aware of ITIL’s relevance to DevOps and DevOps concepts Who This Book Is For
The TOGAF 9 certification program is a knowledge-based certification program. It has two levels, leading to certification for TOGAF 9 Foundation and TOGAF 9 Certified, respectively. The purpose of certification to TOGAF 9 Certified is to provide validation that, in addition to the knowledge and comprehension of TOGAF 9 Foundation level, the Candidate is able to analyze and apply this knowledge. The learning objectives at this level therefore focus on application and analysis in addition to knowledge and comprehension. This Study Guide supports students in preparation for the TOGAF 9 Part 2 Examination, leading to TOGAF 9 Certified.

Presenting modeling approaches that can be performed in SysML and other modeling languages. This book combines the emerging discipline of systems architecting with model-based approaches using SysML. The early chapters of the book provide the fundamentals of systems architecting; discussing what systems architecting entails and how it benefits systems engineering. Model-based systems engineering is then defined, and its capabilities to develop complex systems on time and in a feasible quality are discussed.

The remainder of the book covers important topics such as: architecture descriptions; architecture patterns; perspectives, viewpoints, views and their relation to system architecture; the roles of a system architect, their team, and stakeholders; systems architecting processes; agile approaches to systems architecting; variant modeling techniques; architecture frameworks; and architecture assessment. The book's organization allows experts to read the chapters out of sequence. Novices can read the chapters sequentially to gain a systematic introduction to system architecting. Model-Based System Architecture: Provides comprehensive coverage of the Functional Architecture for Systems (FAS) method created by the authors and based on common MBSE practices Covers architecture frameworks, including the System of Systems, Zachman Frameworks, TOGAF®, and more Includes a consistent example system, the “Virtual Museum Tour” system, that allows the authors to demonstrate the systems architecting concepts covered in the book Model-Based System Architecture is a comprehensive reference for system architects and systems engineers in technology companies. This book will also serve as a reference to students and researchers interested in functional architectures. Tim Welikien is the CEO at the German consultancy oose Innovative Informatik and co-author of the SysML specification. He has introduced model-based systems engineering to a variety of industry sectors. He is author of several books about modeling and the MBSE methodology SYSMOD. Jesko G. Lamm is a Senior Systems Engineer at Bernafon, a Swiss manufacturer for hearing instruments. With Tim Welikien, Jesko G. Lamm founded the Functional Architectures working group of the German chapter of INCOSE. Stephan Roth is a coach, consultant, and trainer for systems and software engineering at the German consultancy oose Innovative Informatik. He is a state-certified technical assistant for computer science from Physikalisch-Technische Lehranstalt (PTL) Wedel and a certified systems engineer (GISET®- Level C. Markus Walker works at Schindler Elevator in the research and development division as elevator system architect. He is an INCOSE Certified Systems Engineering Professional (CSEP) and is engaged in the committee of the Swiss chapter of INCOSE.

This new book is the definitive primer for UML, and starts with the foundational concepts of object-orientation in order to provide the proper context for explaining UML. In bustling modern-day Cairo, the lives of a drug runner, a down-on-his-luck journalist, an American expatriate, a young activist, an Israeli soldier, and a genie are interwoven as they navigate the city's streets and spiritual underworld to find a stolen hookah sought by a wrathful gangster-magician.

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Practice questions and test to aid those studying to take the ASQ Certified Six Sigma Yellow Belt exam.

IT certification exams require a lot of study and practice. Many of our customers spend weeks, if not months preparing for the exam. While most classroom training and certification preparation software do a good job of covering exam material and providing practice questions, summarization of the highlights and key study points is often missing.

This book is intended to bridge the gap between preparation and the final exam. It is designed to be an easy reference that will walk you through all the exam objectives with easy to remember key points required to successfully pass the certification exam. It reinforces the key points, while helping you focus on the exam requirements. The benefits are multifold and can help you save hours of exam review, while keeping key concepts fresh in your mind before the exam. This critical review will help you with the final exam preparation touches and give you the confidence needed for the big day. Benefits of this exam countdown and quick review guide: 1. Focused approach to reviewing exam material - review what you must know 2. All key exam concepts highlighted and reinforced 3. Time saving - must know facts at your finger tips in one condensed version 4. Detailed explanations of all possible answers to practice questions to ensure your grasp of the topic 5. A full length simulation exam to determine your exam readiness.

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 (OCSSM) 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

**OCUP 2 Certification Guide: Preparing for the OMG Certified UML 2.5 Professional 2 Foundation Exam**

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.

**OCUP 2 Certification Guide: Preparing for the OMG Certified UML 2.5 Professional 2 Foundation Exam**

This guide is intended to help organisations put in place effective frameworks for taking informed decisions about risk. It brings together recommended approaches, checklists and pointers to more detailed information on tools and techniques. The topics covered include: the principles of risk management; how risks are managed; managing risks at the strategic, programme, project and operational level; techniques and examples of the benefits of risk management. The publication draws on the experience of experts from both the public and private sector.

**Topological UML Modeling: An Improved Approach for Domain Modeling and Software Development**

This handbook is a comprehensive reference source designed to help professionals address organizational issues from the application of the basic principles of management to the development of strategies needed to deal with the technological and societal concerns of the new millennium. The content of this fourth edition has been revised to reflect a more current global perspective and to match the updated Body of Knowledge (BoK) of ASQ's Certified Manager of Quality/Organizational Excellence (CMQ/OE). In order to provide a broad perspective of quality management, this book has specifically been written to address: • Historical perspectives relating to the evolution of particular aspects of quality management, including recognized experts and their contributions • Key principles, concepts, and terminology relevant in providing quality leadership, and communicating quality needs and results • Benefits associated with the application of key concepts and quality management principles • Best practices describing recognized approaches for good quality management • Barriers to success, including common problems that the quality manager might experience when designing and implementing quality management,
and insights as to why some quality initiatives fail • Guidance for preparation to take the CMO/OE examination. Organized to follow the BoK exactly, throughout each section of this handbook the categorical BoK requirements associated with good quality management practices for that section are shown in a box preceding the pertinent text. These BoK requirements represent the range of content and the cognitive level to which multiple-choice questions can be presented. Although this handbook thoroughly prepares individuals for the ASQ CMO/OE exam, the real value resides in post-exam usage as a day-to-day reference source for assessing quality applications and methodologies in daily processes. The content is written from the perspective of practitioners, and its relevance extends beyond traditional product quality applications.

A Student Guide to Object-Oriented Development is an introductory text that follows the software development process, from requirements capture to implementation, using an object-oriented approach. The book uses object-oriented techniques to present a practical viewpoint on developing software, providing the reader with a basic understanding of object-oriented concepts by developing the subject in an uncomplicated and easy-to-follow manner. It is based on a main worked case study for teaching purposes, plus others with password-protected answers on the web for use in coursework or exams. Readers can benefit from the authors' years of teaching experience. The book outlines standard object-oriented modelling techniques and illustrates them with a variety of examples and exercises, using UML as the modelling language and Java as the language of implementation. It adopts a simple, step by step approach to object-oriented development, and includes case studies, examples, and exercises with solutions to consolidate learning. There are 15 chapters covering a variety of topics such as use case analysis, state diagrams, activity diagrams, and class diagrams. This book is an ideal reference for students taking undergraduate introductory/intermediate computing and information systems courses, as well as business studies courses and conversion masters' programmes. Aims to boil it all down to the crucial concepts, formulas and rules, this guidebook ensures candidates are familiar with the most important testable information. It's difficult to go over multiple books in the last few weeks before the exam, so Wiley's 11th Hour Review Guide does the work for you—condensing each reading down to two- to five pages. Enter the exam room with confidence and reinforce your knowledge and preparation! This comprehensive guide complements Wiley's CFA Study Guides sold separately but may be used with any review course. An effective, efficient study guide, this book prepares you to reach the next level in your career. "The Eleventh Hour Review book is simply brilliant. Virtually every sentence it contains is testable—it's an absolute must-have for every Level I candidate." —Ameer, UK "The eleventh hour guide was a great help." —Konrad, South Africa "I used your eleventh hour guide and mock exams for the last bit of my studying and greatly enjoyed your material. Out of all of the exam prep material, I thought [yours] was the best." —Thomas, USA "Thanks to the team for writing the most intelligent Chartered Financial Analyst material I have seen to date. The eleventh hour guide is absolute genius and proving very valuable at this stage of the revision process." —Doug, UK Everything you need to pass Level III of the CFA Program CMT Level III 2021: The Integration of Technical Analysis fully prepares you to demonstrate competency integrating basic concepts in Level I with practical applications in Level II, by using critical analysis to arrive at well-supported, ethical investing and trading recommendations. Covering topics include: asset relationships, portfolio management, behavioral finance, volatility, and analysis. The Level III exam emphasizes risk management concepts as well as technical methods of traditional analysis. This cornerstone guidebook of the Chartered Market Technician® Program will provide every advantage to passing Level III CMT Exam. The Systems Modeling Language (SysML) extends UML with powerful systems engineering capabilities for modeling a wider spectrum of systems and capturing all aspects of a system's design. SysML Distilled is the first clear, concise guide for anyone who wants to start creating effective SysML models. (Drawing on his pioneering experience at Lockheed Martin and NASA, Lenny Delligatti illuminates SysML's core components and provides practical advice to help you create good models and good designs. Delligatti begins with an easy-to-understand overview of Model-Based Systems Engineering (MBSE) and an explanation of how SysML enables effective system specification, analysis, design, optimization, verification, and validation. Next, he shows how to use all nine types of SysML diagrams, even if you have no previous experience with modeling languages. A case study running through the text demonstrates the use of SysML in modeling a complex, real-world sociotechnical system. Modelled after Martin Fowler's classic UML Distilled, Delligatti's indispensable guide quickly teaches you what you need to know to get started and helps you deepen your knowledge incrementally as the need arises. Like SysML itself, the book is method independent and is designed to support whatever processes, procedures, and tools you already use. Coverage Includes Why SysML was created and the business case for using it Quickly putting SysML to practical use What to know before you start a SysML modeling project Essential concepts that apply to all nine SysML diagrams SysML diagram elements and relationships Diagramming block definitions, internal structures, use cases, activities, interactions, states, machines, constraints, requirements, and packages Using allocations to define mappings among elements across a model SysML notation tables, version changes, and sources for more information This new book by the leaders in object-oriented technology introduces two of the best known OO analysis two of the best known OO analysis and design methods and illustrates their application using the popular object modeling tool, Rational Rose 3.0(tm). The methods are the Object Modeling Technique, with key development by Rational Fellow, Jim Rumbaugh, and the Bouch method, developed by Rational's chief scientist, Grady Bouch. Succeeding with the Bouch and the Object Modeling Techniques draws from the extensive OO experience of the Lockheed Martin Advanced Concepts Center and Rational Software Corporation and is designed to provide the reader with clear instructions on how to implement these methods using the Rational Rose 3.0 tool. With equal coverage of each method provided, the book reflects the format of the Rational Rose 3.0 tool. This book will be useful for managers and object builders who want concrete examples of how to apply OO methods to real-world systems using an incremental, iterative approach. Features Full examples using both the Bouch and OMT methods Step-by-step instructions for using Rational Rose 3.0 to construct OO models Discussion of project management, how to identify key artifacts, and systematic application of reuse 0805322795B0402001 **Includes Practice Test Questions** TEXES Art EC-12 (178) Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. Our comprehensive TEXES Art EC-12 (178) Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. TEXES Art EC-12 (178) Secrets includes: The 5 Secret Keys to TEXES Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the TEXES Series including: TEXES Assessment Explanation, Two Kinds of TEXES Assessments; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specificTEXES exam, and much more...
Get the definitive guide on designing applications on the Microsoft application platform—straight from the Microsoft patterns & practices team. Learn how to choose the most appropriate architecture and the best implementation technologies that the Microsoft application platform offers applications developers. Get critical design recommendations and guidelines organized by application type—from Web, mobile, and rich Internet applications to Office Business Applications. You’ll also get links to additional technical resources that can help with your application development.

Advanced therapies and technologies, new service delivery methods, and care upgrades in underserved areas are translating into improved quality of life for millions with disabilities. Occupational therapy parallels this progress at the individual level, balancing short-term recovery and adaptation with long-term independence and well-being. This Second Edition of the International Handbook of Occupational Therapy Interventions builds on its ground-breaking predecessor by modelling current clinical standards rooted in scientific evidence-based practice. Its interventions are applied to a diverse range of client disabilities, with many new or rewritten chapters on workplace and vehicle accommodations, smart home technologies, end-of-life planning, and other salient topics. New introductory chapters spotlight core competencies in the field, from assessing client needs and choosing appropriate interventions to evaluating programs and weighing priorities. And for increased educational value, interactive case studies allow readers an extra avenue for honing clinical reasoning and decision-making skills. Of particular note is a new chapter providing a taxonomy—the Occupational Therapy Intervention Framework—and a validation study of its categories and concepts, delineating the occupational therapist’s roles and the expected outcomes. Intervention areas featured in the Handbook include: ? Adaptive interventions, OTs manage and facilitate clients’ adaptations. ? Learning interventions, OTs teach and the clients learn or relearn. ? Enabling interventions, OTs enable clients to be meaningfully occupied. ? Preventing interventions, OTs prevent ill-health and promote clients’ ability to sustain health in daily life. The Second Edition of the International Handbook of Occupational Therapy Interventions is career-affirming reading for all members of rehabilitation teams, including occupational and physical therapists and rehabilitation nurses. Students intending to enter this growing field and professionals working toward its continued improvement will find it useful and inspiring.

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 fulfillment 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).