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Java Program Design Principles, Polymorphism, and Patterns Apress Get a grounding in polymorphism and other fundamental aspects of object-oriented program design and implementation, and learn a subset of design patterns that any practicing Java professional simply must know in today's job climate. Java Program Design presents program design principles to help practicing programmers up their game and remain relevant in the face of changing trends and an evolving language. The book enhances the traditional design patterns with Java's new functional programming features, such as functional interfaces and lambda expressions. The result is a fresh treatment of design patterns that expands their power and applicability, and reflects current best practice. The book examines some well-designed classes from the Java class library, using them to illustrate the various object-oriented principles and patterns under discussion. Not only does this approach provide good, practical examples, but you will learn useful library classes you might not otherwise know about. The design of a simplified banking program is introduced in chapter 1 in a non-object-oriented incarnation and the example is carried through all chapters. You can see the object orientation develop as various design principles are progressively applied throughout the book to produce a refined, fully object-oriented version of the program in the final chapter. What You'll Learn Create well-designed programs, and identify and improve

poorly-designed ones Build a professional-level understanding of polymorphism and its use in Java interfaces and class hierarchies Apply classic design patterns to Java programming problems while respecting the modern features of the Java language Take advantage of classes from the Java library to facilitate the implementation of design patterns in your programs Who This Book Is For Java programmers who are comfortable writing non-object-oriented code and want a guided immersion into the world of object-oriented Java, and intermediate programmers interested in strengthening their foundational knowledge and taking their object-oriented skills to the next level. Even advanced programmers will discover interesting examples and insights in each chapter. Professional Java EE Design Patterns John Wiley & Sons Master Java EE design pattern implementation to improve yourdesign skills and your application's architecture Professional Java EE Design Patterns is the perfectcompanion for anyone who wants to work more effectively with JavaEE, and the only resource that covers both the theory andapplication of design patterns in solving real-world problems. Theauthors guide readers through both the fundamental and advancedfeatures of Java EE 7, presenting patterns throughout, anddemonstrating how they are used in day-to-day problem solving. As the most popular programming language in community-drivenenterprise software, Java EE provides an API and runtimeenvironment that is a superset of Java SE. Written for the juniorand experienced Java EE developer seeking to improve design qualityand effectiveness, the book covers areas including: Implementation and problem-solving with design patterns Connection between existing Java SE design patterns and newJava EE concepts Harnessing the power of Java EE in design patterns Individually-based focus that fully explores each pattern Colorful war-stories showing how patterns were used in thefield to solve real-life problems Unlike most Java EE books that simply offer descriptions orrecipes, this book drives home the implementation of the pattern toreal problems to ensure that the reader learns how the patternsshould be used and to be aware of their pitfalls. For the programmer looking for a comprehensive guide that isactually useful in the everyday workflow, Professional Java EEDesign Patterns is the definitive resource on the market. OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide Exam 1Z0-809 John Wiley & Sons 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. WS-BPEL 2.0 for SOA Composite Applications with Oracle SOA Suite 11g Packt Publishing Ltd Define, model, implement, and monitor real-world BPEL business processes with SOA powered BPM for Oracle SOA Suite with this book and eBook. Oracle Certified Professional Java SE 7 Programmer Exams 1Z0-804 and 1Z0-805 A Comprehensive OCPJP 7 Certification Guide Apress Oracle Certified Professional Java SE 7 Programmer Exams 1Z0-804 and 1Z0-805 is a concise, comprehensive, step-by-step, and one-stop guide for the Oracle Certified Professional Java SE 7 Programmer Exam. The first two chapters set the stage for exam preparation and let the reader get started quickly. The first chapter answers frequently asked questions about the OCPJP exam. This book assumes that the reader is already familiar with Java fundamentals which is in line with the prerequisite of having a OCAJP certification. The book sports considerable supportive material to help the reader in effective exam preparation in the form of appendices: 2 mock tests to give the reader a sense of a real-exam. An instant refresher summarizing the most important concepts (with tips on answering questions) to revise just before the exam. This book will be a delectable read for any OCPJP aspirant because of its simple language, example driven approach, and easy-to-read style. Further, given its 100% focus on the exam and helpful supportive material, this book is clearly an attractive buy to OCPJP aspirants worldwide. Functional Programming in Java Harnessing the Power Of Java 8 Lambda Expressions Pragmatic Bookshelf Intermediate level, for programmers fairly familiar with Java, but new to the functional style of programming and lambda expressions. Get ready to program in a whole new way. Functional Programming in Java will help you quickly get on top of the new, essential Java 8 language features and the functional style that will change and improve your code. This short, targeted book will help you make the paradigm shift from the old imperative way to a less error-prone, more elegant, and concise coding style that's also a breeze to parallelize. You'll explore the syntax and semantics of lambda expressions, method and constructor references, and functional interfaces. You'll design and write applications better using the new standards in Java 8 and the JDK. Lambda expressions are lightweight, highly concise anonymous methods backed by functional interfaces in Java 8. You can use them to leap forward into a whole new world of programming in Java. With functional programming

capabilities, which have been around for decades in other languages, you can now write elegant, concise, less error-prone code using standard Java. This book will guide you though the paradigm change, offer the essential details about the new features, and show you how to transition from your old way of coding to an improved style. In this book you'll see popular design patterns, such as decorator, builder, and strategy, come to life to solve common design problems, but with little ceremony and effort. With these new capabilities in hand, Functional Programming in Java will help you pick up techniques to implement designs that were beyond easy reach in earlier versions of Java. You'll see how you can reap the benefits of tail call optimization, memoization, and effortless parallelization techniques. Java 8 will change the way you write applications. If you're eager to take advantage of the new features in the language, this is the book for you. What you need: Java 8 with support for lambda expressions and the JDK is required to make use of the concepts and the examples in this book. Java Performance Tuning "O'Reilly Media, Inc." Helps readers eliminate performance problems, covering topics including bottlenecks, profiling tools, strings, algorithms, distributed systems, and servlets. Network World For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. Design Principles for Process-driven Architectures Using Oracle BPM and SOA Suite 12c Packt Publishing Ltd This book is a design handbook and provides skills to successfully design, implement, and optimize business processes on top of SOA. Starting with business process modeling, it shows design principles to architect sound process architectures. It presents best practices for modeling business processes using BPMN, together with design principles for services and composite applications. It provides detailed coverage of how to prepare business processes for execution. An in-depth explanation of human interactions is given and also principles and best practices for using rules. Moving on, Adaptive Case Management principles are explained, along with the reach of business processes to mobile devices and ensuring multichannel interactions. Business activity monitoring, event-driven architectures, complex event processing in relation to business processes, and enabling integration with events and IoT devices are explained. The design principles and best practices are demonstrated in a practical way on a rental car use case. Hands-On Design Patterns with Java Learn design patterns that enable the building of large-scale software architectures Packt Publishing Ltd Understand Gang of Four, architectural, functional, and reactive design patterns and how to implement them on modern Java platforms, such as Java 12 and beyond Key FeaturesLearn OOP, functional, and reactive patterns for creating readable and maintainable codeExplore architectural patterns and practices for

building scalable and reliable applicationsTackle all kinds of performance-related issues and streamline development using design patternsBook Description Java design patterns are reusable and proven solutions to software design problems. This book covers over 60 battle-tested design patterns used by developers to create functional, reusable, and flexible software. Hands-On Design Patterns with Java starts with an introduction to the Unified Modeling Language (UML), and delves into class and object diagrams with the help of detailed examples. You'll study concepts and approaches to object-oriented programming (OOP) and OOP design patterns to build robust applications. As you advance, you'll explore the categories of GOF design patterns, such as behavioral, creational, and structural, that help you improve code readability and enable large-scale reuse of software. You'll also discover how to work effectively with microservices and serverless architectures by using cloud design patterns, each of which is thoroughly explained and accompanied by real-world programming solutions. By the end of the book, you'll be able to speed up your software development process using the right design patterns, and you'll be comfortable working on scalable and maintainable projects of any size. What you will learnUnderstand the significance of design patterns for software engineeringVisualize software design with UML diagramsStrengthen your understanding of OOP to create reusable software systemsDiscover GOF design patterns to develop scalable applicationsExamine programming challenges and the design patterns that solve themExplore architectural patterns for microservices and cloud developmentWho this book is for If you are a developer who wants to learn how to write clear, concise, and effective code for building production-ready applications, this book is for you. Familiarity with the fundamentals of Java is assumed. OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide Exam 1Z0-815 John Wiley & Sons The comprehensive study aide for those preparing for the new Oracle Certified Professional Java SE Programmer I Exam 1Z0-815 Used primarily in mobile and desktop application development, Java is a platform-independent, object-oriented programming language. It is the principal language used in Android application development as well as a popular language for client-side cloud applications. Oracle has updated its Java Programmer certification tracks for Oracle Certified Professional. OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide covers 100% of the exam objectives, ensuring that you are thoroughly prepared for this challenging certification exam. This comprehensive, in-depth study guide helps you develop the functional-programming knowledge required to pass the exam and earn certification. All vital topics are covered, including Java building blocks, operators and loops, String and StringBuilder, Array and ArrayList, and more. Included is access to Sybex's superior online interactive learning environment and test bank—containing self-assessment tests, chapter tests, bonus practice exam questions, electronic flashcards, and a searchable glossary of important terms. This indispensable guide: Clarifies complex material and strengthens your comprehension and

retention of key topics Covers all exam objectives such as methods and encapsulation, exceptions, inheriting abstract classes and interfaces, and Java 8 Dates and Lambda Expressions Explains object-oriented design principles and patterns Helps you master the fundamentals of functional programming Enables you to create Java solutions applicable to real-world scenarios There are over 9 millions developers using Java around the world, yet hiring managers face challenges filling open positions with qualified candidates. The OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide will help you take the next step in your career. Core J2EE patterns best practices and design strategies Gulf Professional Publishing "The Java landscape is littered with libraries, tools, and specifications. What's been lacking is the expertise to fuse them into solutions to real-world problems. These patterns are the intellectual mortar for J2EE software construction."--John Vlissides, co-author of Design Patterns, the "Gang of Four" book "The authors of Core J2EE Patterns have harvested a really useful set of patterns. They show how to apply these patterns and how to refactor your system to take advantage of them. It's just like having a team of experts sitting at your side." --Grady Booch, Chief Scientist, Rational Software Corporation "The authors do a great job describing useful patterns for application architectures. The section on refactoring is worth the price of the entire book!" --Craig McClanahan, Struts Lead Architect and Specification Lead for JavaServer Faces "Core J2EE Patterns is the gospel that should accompany every J2EE application server ... Built upon the in-the-trenches expertise of its veteran architect authors, this volume unites the platform's many technologies and APIs in a way that application architects can use, and provides insightful answers to the whys, whens, and hows of the J2EE platform." --Sean Neville, JRun Enterprise Architect, Macromedia Developers often confuse learning the technology with learning to design with the technology. In this book, senior architects from the Sun Java Center share their cumulative design experience on Java 2 Platform, Enterprise Edition (J2EE) technology. The primary focus of the book is on patterns, best practices, design strategies, and proven solutions using the key J2EE technologies including JavaServer Pages(TM) (JSP(TM)), Servlets, Enterprise JavaBeans(TM) (EJB(TM)), and Java(TM) Message Service (JMS) APIs. The J2EE Pattern Catalog with 21 patterns and numerous strategies is presented to document and promote best practices for these technologies. Core J2EE Patterns, Second Edition offers the following: J2EE Pattern Catalog with 21 patterns--fully revised and newly documented patterns providing proven solutions for enterprise applications Design strategies for the presentation tier, business tier, and integration tier Coverage of servlets, JSP, EJB, JMS, and Web Services J2EE technology bad practices Refactorings to improve existing designs using patterns Fully illustrated with UML diagrams Extensive sample code for patterns, strategies, and refactorings. Computerworld For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site

(Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Core J2EE Patterns Best Practices and Design Strategies Prentice Hall Professional Explains how to leverage Java's architecture and mechanisms to design enterprise applications and considers code modularity, nonduplication, network efficiency, maintainability, and reusability. Implementation Patterns Pearson Education Software Expert Kent Beck Presents a Catalog of Patterns Infinitely Useful for Everyday Programming Great code doesn't just function: it clearly and consistently communicates your intentions, allowing other programmers to understand your code, rely on it, and modify it with confidence. But great code doesn't just happen. It is the outcome of hundreds of small but critical decisions programmers make every single day. Now, legendary software innovator Kent Beck—known worldwide for creating Extreme Programming and pioneering software patterns and test-driven development—focuses on these critical decisions, unearthing powerful "implementation patterns" for writing programs that are simpler, clearer, better organized, and more cost effective. Beck collects 77 patterns for handling everyday programming tasks and writing more readable code. This new collection of patterns addresses many aspects of development, including class, state, behavior, method, collections, frameworks, and more. He uses diagrams, stories, examples, and essays to engage the reader as he illuminates the patterns. You'll find proven solutions for handling everything from naming variables to checking exceptions. The CERT Oracle Secure Coding Standard for Java Addison-Wesley Professional The only comprehensive set of guidelines for secure Java programming - from the field's leading organizations, CERT and Oracle • •Authoritative, end-to-end code-level requirements for building secure systems with any recent version of Java, including the new Java 7 •Presents techniques that also improve safety, reliability, dependability, robustness, availability, maintainability, and other attributes of quality. •Includes extensive risk assessment guidance, plus references for further information. This is the first authoritative, comprehensive compilation of code-level requirements for building secure systems in Java. Organized by CERT's pioneering software security experts, with support from Oracle's own Java platform developers, it covers every facet of secure software coding with Java 7 SE and Java 6 SE, and offers value even to developers working with other Java versions. The authors itemize the most common coding errors leading to vulnerabilities in Java programs, and provide specific guidelines for avoiding each of them. They show how to produce programs that are not only secure, but also safer, more reliable, more robust, and easier to maintain. After a high-level introduction to Java application security, eighteen consistently-organized chapters detail specific guidelines for each facet of Java development. Each set of guidelines defines conformance, presents both noncompliant examples and corresponding compliant solutions, shows how to assess risk, and offers references for further information. To limit this book's size,

the authors focus on 'normative requirements': strict rules for what programmers must do for their work to be secure, as defined by conformance to specific standards that can be tested through automated analysis software. (Note: A follow-up book will present 'non-normative requirements': recommendations for what Java developers typically 'should' do to further strengthen program security beyond testable 'requirements.') Computerworld For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. WS-BPEL 2.0 Beginner's Guide Packt Publishing Ltd If you are a software architect, a designer, a software developer, an SOA and BPM architect, a project manager, or a business process analyst who is responsible for the design and development of business processes, composite applications, and BPM/SOA solutions, then this book is for you. You should have a clear grasp of general SOA concepts including business processes and web services, but no prior knowledge of the BPEL language is required. Job Ready Java John Wiley & Sons Prepare yourself to take on new and exciting Java programming challenges with this one-stop resource Job Ready Java delivers a comprehensive and foundational approach to Java that is immediately applicable to real-world environments. Based on the highly regarded and effective Software Guild Java Bootcamp: Object Oriented Programming course, this book teaches you the basic and advanced Java concepts you will need at any entry-level Java position. With the "Pulling It Together" sections, you'll combine and integrate the concepts and lessons taught by the book, while also benefiting from: A thorough introduction to getting set up with Java, including how to write, compile, and run Java programs with or without a Java IDE Practical discussions of the basics of the Java language, including syntax, program flow, and code organization A walk through the fundamentals of Object-Oriented Programming including Classes, Objects, Interfaces, and Inheritance, and how to leverage OOP in Java to create elegant code. Explorations of intermediate and advanced Java concepts, including Maven , unit testing, Lambdas, Streams, and the Spring Framework Perfect for Java novices seeking to make a career transition, Job Ready Java will also earn a place in the libraries of Java developers wanting to brush up on the fundamentals of their craft with an accessible and up-to-date resource. Struts 2 Design and Programming A Tutorial Brainy Software Inc Offering both theoretical explanations and real-world applications, this in-depth guide covers the 2.0 version of Struts, revealing how to design, build, and improve Java-based Web applications within the Struts development framework. Feature functionality is explained in detail to help programmers choose the most appropriate feature to accomplish their objectives, while other chapters are devoted to file uploading, paging, and object caching. Beginning EJB 3 Java EE 7 Edition Apress Develop powerful, standards-based, back-end business logic with Beginning EJB 3, Java EE 7 Edition. Led

by an author team with 20 years of combined Enterprise JavaBeans experience, you'll learn how to use the new EJB 3.2 APIs. You'll gain the knowledge and skills you'll need to create the complex enterprise applications that run today's transactions and more. Targeted at Java and Java EE developers, with and without prior EJB experience, Beginning EJB 3 is packed with practical insights, strategy tips, and code examples. As each chapter unfolds, you'll not only explore a new area of the spec; you'll also see how you can apply it to your own applications through specific examples. Beginning EJB 3 will serve not only as a reference, but it will also function as a how-to guide and repository of practical examples to which you can refer as you build your own applications. It will help you harness the power of EJBs and take your Java EE 7 development to the next level. Business Process Execution Language for Web Services An Architect and Developer's Guide to Orchestrating Web Services Using BPEL4WS Packt Publishing Ltd This book is aimed at architects and developers in the design, implementation, and integration phases of advanced information systems and e-business solutions, developing business processes and dealing with the issues of composition, orchestration, transactions, coordination, and security. The book presumes knowledge of XML and web services, web services development (either on J2EE or .NET), and multi-tier architecture. Product Focused Software Process Improvement 5th International Conference, PROFES 2004, Kansai Science City, Japan, April 5-8, 2004, Proceedings Springer On behalf of the PROFES organizing committee we are proud to present to you the proceedings of the 5th International Conference on Product Focused Software Process Improvement (PROFES 2004), held in Kansai Science City, Japan. Since 1999, PROFES has established itself as one of the recognized international process improvement conferences. In 2004 the conference left Europe for the first time and moved to Japan. Japan and its neighboring countries are intensifying their efforts to improve software engineering excellence, so it was a logical step to select Japan as the venue for PROFES 2004. The purpose of the conference is to bring to light the most recent findings and results in the area and to stimulate discussion between researchers, experienced professionals, and technology providers. The large number of participants coming from industry confirms that the conference provides a variety of up-to-date topics and tackles industry problems. The main theme of PROFES is professional software process improvement (SPI) motivated by product and service quality needs. SPI is facilitated by software process assessment, software measurement, process modeling, and technology transfer. It has become a practical tool for quality software engineering and management. The conference addresses both the solutions found in practice and the relevant research results from academia. This is reflected in the 41 full papers, which are a balanced mix of academic papers as well as industrial experience reports. Computerworld For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-

monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Computerworld For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Refactoring for Software Design Smells Managing Technical Debt Morgan Kaufmann Awareness of design smells – indicators of common design problems – helps developers or software engineers understand mistakes made while designing, what design principles were overlooked or misapplied, and what principles need to be applied properly to address those smells through refactoring. Developers and software engineers may "know" principles and patterns, but are not aware of the "smells" that exist in their design because of wrong or mis-application of principles or patterns. These smells tend to contribute heavily to technical debt – further time owed to fix projects thought to be complete – and need to be addressed via proper refactoring. Refactoring for Software Design Smells presents 25 structural design smells, their role in identifying design issues, and potential refactoring solutions. Organized across common areas of software design, each smell is presented with diagrams and examples illustrating the poor design practices and the problems that result, creating a catalog of nuggets of readily usable information that developers or engineers can apply in their projects. The authors distill their research and experience as consultants and trainers, providing insights that have been used to improve refactoring and reduce the time and costs of managing software projects. Along the way they recount anecdotes from actual projects on which the relevant smell helped address a design issue. Contains a comprehensive catalog of 25 structural design smells (organized around four fundamental design principles) that contribute to technical debt in software projects Presents a unique naming scheme for smells that helps understand the cause of a smell as well as points toward its potential refactoring Includes illustrative examples that showcase the poor design practices underlying a smell and the problems that result Covers pragmatic techniques for refactoring design smells to manage technical debt and to create and maintain high-quality software in practice Presents insightful anecdotes and case studies drawn from the trenches of real-world projects Computational Science and Its Applications -- ICCSA 2013 13th International Conference, ICCSA 2013, Ho Chi Minh City, Vietnam, June 24-27, 2013, Proceedings, Part V Springer The five-volume set LNCS 7971-7975 constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA 2013, held in Ho Chi Minh City, Vietnam in June 2013. The 248 revised papers presented in five tracks and 33 special sessions and workshops were carefully reviewed and selected. The 46 papers included in the five general tracks are organized in the following topical sections: computational methods, algorithms and scientific applications; high-performance computing and

networks; geometric modeling, graphics and visualization; advanced and emerging applications; and information systems and technologies. The 202 papers presented in special sessions and workshops cover a wide range of topics in computational sciences ranging from computational science technologies to specific areas of computational sciences such as computer graphics and virtual reality. The Java Language Specification Addison-Wesley Professional For nearly five years, one book has served as the definitive reference to Java for all serious developers: The Java Language Specification, by James Gosling, Bill Joy, and Guy Steele. Now, these world-renowned Java authorities (along with new co-author Gilad Bracha) have delivered a monumental update. This completely revised Second Edition covers the Java 2 Platform Standard Edition Version 1.3 with unprecedented depth and precision, offering the invaluable insights of Java's creators to every developer. There is no better source for learning everything about the Syntax and Semantics of the Java programming language. Developers will turn to this book again and again. Business Process Driven SOA Using BPMN and BPEL From Business Process Modeling to Orchestration and Service Oriented Architecture Packt Publishing Ltd Go from Business Process Modeling to Orchestration and Service Oriented Architecture with this book and eBook. Designing Enterprise Applications with the J2EE Platform Addison-Wesley Professional Following her widely acclaimedAutobiography of Red("A spellbinding achievement" --Susan Sontag), a new collection of poetry and prose that displays Anne Carson's signature mixture of opposites--the classic and the modern, cinema and print, narrative and verse. InMen in the Off Hours, Carson reinvents figures as diverse as Oedipus, Emily Dickinson, and Audubon. She views the writings of Sappho, St. Augustine, and Catullus through a modern lens. She sets up startling juxtapositions (Lazarus among video paraphernalia; Virginia Woolf and Thucydides discussing war). And in a final prose poem, she meditates on the recent death of her mother. With its quiet, acute spirituality, its fearless wit and sensuality, and its joyful understanding that "the fact of the matter for humans is imperfection,"Men in the Off Hoursshows us "the most exciting poet writing in English today" (Michael Ondaatje) at her best. From the Hardcover edition. InfoWorld InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. Java for the Web with Servlets, JSP, and EJB Sams Publishing Java for Web with Servlets, JSP and EJB is the one book you need to master Java web programming. It covers all the technologies needed to program web applications in Java using Servlets 2.3, JSP 1.2, EJB 2.0 and client-side programming with JavaScript. These technologies are explained in the context of real-world projects, such as an e-commerce application, a document management program, file upload and programmable file download, and an XML-based online book project. In addition to excellent content, this book includes licenses to two Java web components from BrainySoftware.com. You receive a full license of the Programmable File Download component for commercial and non-

commercial deployment. You are also granted to a license to deploy the author's popular File Upload bean for non-commercial use, which has been licensed by the Fortune 500 company Commerce One and purchased by major corporations such as Saudi Business Machine, Ltd. and Baxter Healthcare Corporation. Java EE 8 Microservices Learn how the various components of Java EE 8 can be used to implement the microservice architecture Packt Publishing Ltd Build microservices-based enterprise applications with the latest version of Java EE Key FeaturesCreate microservices in Spring and deploy them with Docker and Mesos Examine a number of real-world use cases and hands-on code examplesDevelop distributed applications based on microservices architectureBook Description Cloud-based applications have been increasingly in demand, and this has caused a shift from monolithic to microservice applications. With the help of Java EE 8 Microservices, you'll get to grips with the components of Java EE 8 and understand how they are used to implement microservices. This book explains how a monolithic application is transformed into a microservice application, then helps you connect it in a traditional way and use advanced approaches for asynchronous communication. Once you have learned the basics, you'll explore advanced topics to make your microservices robust, scalable, and secure. Microservices form distributed applications, and by the end of this book you'll have discovered how to develop, pack, ship, and support distributed applications using Java EE. What you will learnBuild microservices from the ground up with Java EE 8Implement and deploy microservices with Spring BootDevelop reactive pipelines for asynchronous communicationUse caching mechanisms and JSON Web Token (JWT) to create scalable and secure microservicesEmpower microservices with the Micro Profile effort and implement health checks, fault tolerance, and monitoring mechanismsUse containers to build and deploy microservicesCreate contract-first documentation with Swagger and API BlueprintWho this book is for Java EE 8 Microservices is for Java EE developers keen to build microservice-based enterprise applications. SOA Design Patterns Pearson Education In cooperation with experts and practitioners throughout the SOA community, best-selling author Thomas Erl brings together the de facto catalog of design patterns for SOA and service-orientation. More than three years in development and subjected to numerous industry reviews, the 85 patterns in this full-color book provide the most successful and proven design techniques to overcoming the most common and critical problems to achieving modern-day SOA. Through numerous examples, individually documented pattern profiles, and over 400 color illustrations, this book provides in-depth coverage of: • Patterns for the design, implementation, and governance of service inventories–collections of services representing individual service portfolios that can be independently modeled, designed, and evolved. • Patterns specific to service-level architecture which pertain to a wide range of design areas, including contract design, security, legacy encapsulation, reliability, scalability, and a variety of implementation and

governance issues. • Service composition patterns that address the many aspects associated with combining services into aggregate distributed solutions, including topics such as runtime messaging and message design, inter-service security controls, and transformation. • Compound patterns (such as Enterprise Service Bus and Orchestration) and recommended pattern application sequences that establish foundational processes. The book begins by establishing SOA types that are referenced throughout the patterns and then form the basis of a final chapter that discusses the architectural impact of service-oriented computing in general. These chapters bookend the pattern catalog to provide a clear link between SOA design patterns, the strategic goals of service-oriented computing, different SOA types, and the service-orientation design paradigm. This book series is further supported by a series of resources sites, including soabooks.com, soaspecs.com, soapatterns.org, soamag.com, and soaposters.com. Fundamentals of Computer Programming with C# The Bulgarian C# Book Faber Publishing 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 InfoWorld InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. SOA Design Patterns Pearson Professional "SOA Design Patterns is an important contribution to the literature and practice of building and delivering quality software-intensive systems." - Grady Booch, IBM Fellow "With the continued explosion of services and the increased rate of adoption of SOA through the market, there is a critical need for comprehensive, actionable guidance that provides the fastest possible time to results. Microsoft is honored to contribute to the SOA Design Patterns book, and to continue working with the community to realize the value of Real World SOA." - Steven Martin, Senior Director, Developer Platform Product Management, Microsoft "SOA Design Patterns provides the proper guidance with the right level of abstraction to be adapted to each organization's needs, and Oracle is pleased to have contributed to the patterns contained in this book." - Dr. Mohamad Afshar, Director of Product Management, Oracle Fusion Middleware, Oracle "Red Hat is pleased to be involved in the SOA Design Patterns book and contribute important SOA design patterns to the community that we and our customers have used within our own SOA platforms. I am sure this will be a great resource for future SOA practitioners." - Pierre Fricke Director, Product Line Management, JBoss SOA Platform, Red Hat "A wealth of proven, reusable SOA design patterns, clearly explained and illustrated with examples. An invaluable resource for all those

involved in the design of service-oriented solutions." - Phil Thomas, Consulting IT Specialist, IBM Software Group "This obligatory almanac of SOA design patterns will become the foundation on which many organizations will build their successful SOA solutions. It will allow organizations to build their own focused SOA design patterns catalog in an expedited fashion knowing that it contains the wealth and expertise of proven SOA best practices." - Stephen Bennett, Director, Technology Business Unit, Oracle Corporation "The technical differences between service orientation and object orientation are subtle enough to confuse even the most advanced developers. Thomas Erl's book provides a great service by clearly articulating SOA design patterns and differentiating them from similar OO design patterns." - Anne Thomas Manes, VP & Research Director, Burton Group "SOA Design Patterns does an excellent job of laying out and discussing the areas of SOA design that a competent SOA practitioner should understand and employ." - Robert Laird, SOA Architect, IBM "As always, Thomas delivers again. In a well-structured and easy-to-understand way, this book provides a wonderful collection of patterns each addressing a typical set of SOA design problems with well articulated solutions. The plain language and hundreds of diagrams included in the book help make the complicated subjects of SOA design comprehensible even to those who are new to the SOA design world. It's a must-have reference book for all SOA practitioners, especially for enterprise architects, solution architects, developers, managers, and business process experts." - Canyang Kevin Liu, Solution Architecture Manager, SAP "The concept of service oriented architecture has long promised visions of agile organizations being able to swap out interfaces and applications as business needs change. SOA also promises incredible developer and IT productivity, with the idea that key services would be candidates for cross-enterprise sharing or reuse. But many organizations' efforts to move to SOA have been mired-by organizational issues, by conflicting vendor messages, and by architectures that may amount to little more than Just a Bunch of Web Services. There's been a lot of confusion in the SOA marketplace about exactly what SOA is, what it's supposed to accomplish, and how an enterprise goes about in making it work. SOA Design Patterns is a definitive work that offers clarity on the purpose and functioning of service oriented architecture. SOA Design Patterns not only helps the IT practitioner lay the groundwork for a well-functioning SOA effort across the enterprise, but also connects the dots between SOA and the business requirements in a very concrete way. Plus, this book is completely technology agnostic--SOA Design Patterns rightly focuses on infrastructure and architecture, and it doesn't matter whether you're using components of one kind or another, or Java, or .NET, or Web services, or REST-style interfaces. While no two SOA implementations are alike, Thomas Erl and his team of contributors have effectively identified the similarities in composition services need to have at a sub-atomic level in order to interact with each other as we hope they will. The book identifies 85 SOA design patterns which have been developed and thoroughly vetted to ensure that

a service-oriented architecture does achieve the flexibility and loose coupling promised. The book is also compelling in that it is a living document, if you will, inviting participation in an open process to identify and formulate new patterns to this growing body of knowledge." - Joe McKendrick, Independent Analyst, Author of ZDNet's SOA Blog "If you want to truly educate yourself on SOA, read this book." - Sona Srinivasan, Global Client Services & Operations, CISCO "An impressive decomposition of the process and architectural elements that support serviceoriented analysis, design, and delivery. Right-sized and terminologically consistent. Overall, the book represents a patient separation of concerns in respect of the process and architectural parts that underpin any serious SOA undertaking. Two things stand out. First, the pattern relationship diagrams provide rich views into the systemic relationships that structure a service-oriented architecture: these patterns are not discrete, isolated templates to be applied mechanically to the problem space; rather, they form a network of forces and constraints that guide the practitioner to consider the task at hand in the context of its inter-dependencies. Second, the pattern sequence diagrams and accompanying notes provide a useful framework for planning and executing the many activities that comprise an SOA engagement." - Ian Robinson, Principal Technology Consultant, ThoughtWorks "Successful implementation of SOA principles requires a shift in focus from software system means, or the way capabilities are developed, to the desired end results, or real-world effects required to satisfy organizational business processes. In SOA Design Patterns, Thomas Erl provides service architects with a broad palette of reusable service patterns that describe service capabilities that can cut across many SOA applications. Service architects taking advantage of these patterns will save a great deal of time describing and assembling services to deliver the real world effects they need to meet their organization's specific business objectives." - Chuck Georgo, Public Safety and National Security Architect "In IT, we have increasingly come to see the value of having catalogs of good solution patterns in programming and systems design. With this book, Thomas Erl brings a comprehensive set of patterns to bear on the world of SOA. These patterns enable easily communicated, reusable, and effective solutions, allowing us to more rapidly design and build out the large, complicated and interoperable enterprise SOAs into which our IT environments are evolving." - Al Gough, Business Systems Solutions CTO, CACI International Inc. "This book provides a comprehensive and pragmatic review of design issues in service-centric design, development, and evolution. The Web site related to this book [SOAPatterns.org] is a wonderful platform and gives the opportunity for the software community to maintain this catalogue...." - Veronica Gacitua Decar, Dublin City University "Erl's SOA Design Patterns is for the IT decision maker determined to make smart architecture design choices, smart investments, and long term enterprise impact. For those IT professionals committed to service-orientation as a value-added design and implementation option, Patterns offers a credible, repeatable

approach to engineering an adaptable business enterprise. This is a must read for all IT architect professionals." - Larry Gloss, VP and General Manager, Information Manufacturing, LLC "These SOA patterns define, encompass, and comprise a complete repertoire of best practices for developing a world-class IT SOA portfolio for the enterprise and its organizational units through to service and schema analysis and design. After many years as an architect on many SOA projects, I strongly recommend this book be on the shelf of every analyst and technical member of any SOA effort, right next to the SOA standards and guidelines it outlines and elucidates the need for. Our SOA governance standards draw heavily from this work and others from this series." - Robert John Hathaway III, Enterprise Software Architect, SOA Object Systems "A wise man once told me that wisdom isn't all about knowledge and intelligence, it is just as much about asking questions. Asking questions is the true mark of wisdom and during the writing of the SOA Design Patterns book Thomas Erl has shown his real qualities. The community effort behind this book is huge meaning that Thomas has had access to the knowledge and experience of a large group of accomplished practitioners. The result speaks for itself. This book is packed with proven solutions to recurring problems, and the documented pros and cons of each solution have been verified by persons with true experience. This book could give SOA initiatives of any scale a real boost." - Herbjörn Wilhelmsen, Architect and Senior Consultant, Objectware "This book is an absolute milestone in SOA literature. For the first time we are provided with a practical guide on how the principle centric description of service orientation from a vendor-agnostic viewpoint is actually made to work in a language based on patterns. This book makes you talk SOA! There are very few who understand SOA like Thomas Erl does, he actually put's it all together!" - Brian Lokhorst, Solution Architect, Dutch Tax Office "Service oriented architecture is all about best practices we have learned since IT's existence. This book takes all those best practices and bundles them into a nice pattern catalogue. [It provides] a really excellent approach as patterns are not just documented but are provided with application scenarios through case studies [which] fills the gap between theory and practice." - Shakti Sharma, Senior Enterprise Architect, Sysco Corp "An excellent and important book on solving problems in SOA [with a] solid structure. Has the potential of being among the major influential books." - Peter Chang, Lawrence Technical University "SOA Design Patterns presents a vast amount of knowledge about how to successfully implement SOA within an organization. The information is clear, concise, and most importantly, legitimate." - Peter B. Woodhull, President and Principal Architect, Modus21 "SOA Design Patterns offers real insights into everyday problems that one will encounter when investing in services oriented architecture. [It] provides a number of problem descriptions and offers strategies for dealing with these problems. SOA design patterns highlights more than just the technical problems and solutions. Common organizational issues that can hinder progress towards achieving SOA migration are explained along with

potential approaches for dealing with these real world challenges. Once again Thomas Erl provides in-depth coverage of SOA terminology and helps the reader better understand and appreciate the complexities of migrating to an SOA environment." - David Michalowicz, Air and Space Operations Center Modernization Team Lead, MITRE Corporation "This is a long overdue, serious, comprehensive, and well-presented catalog of SOA design patterns. This will be required reading and reference for all our SOA engineers and architects. The best of the series so far! [The book] works in two ways: as a primer in SOA design and architecture it can easily be read front-to-back to get an overview of most of the key design issues you will encounter, and as a reference catalog of design techniques that can be referred to again and again..." - Wendell Ocasio, Architecture Consultant, DoD Military Health Systems, Agilex Technologies "Thomas has once again provided the SOA practitioner with a phenomenal collection of knowledge. This is a reference that I will come back to time and time again as I move forward in SOA design efforts. What I liked most about this book is its vendor agnostic approach to SOA design patterns. This approach really presents the reader with an understanding of why or why not to implement a pattern, group patterns, or use compound patterns rather than giving them a marketing spiel on why one implementation of a pattern is better than another (for example, why one ESB is better than another). I think as SOA adoption continues to advance, the ability for architects to understand when and why to apply specific patterns will be a driving factor in the overall success and evolution of SOA. Additionally, I believe that this book provides the consumer with the understanding required to chose which vendor's SOA products are right for their specific needs." - Bryan Brew, SOA Consultant, Booz Allen Hamilton "A must have for every SOA practitioner." - Richard Van Schelven, Principal Engineer, Ericsson "This book is a long-expected successor to the books on object-oriented design patterns and integration patterns. It is a great reference book that clearly and thoroughly describes design patterns for SOA. A great read for architects who are facing the challenge of transforming their enterprise into a service-oriented enterprise." - Linda Terlouw, Solution Architect, Ordina "The maturation of Service-Orientation has given the industry time to absorb the best practices of service development. Thomas Erl has amassed this collective wisdom in SOA Design Patterns, an absolutely indispensible addition to any Service Oriented bookshelf." - Kevin P. Davis, Ph.D "The problem with most texts on SOA is one of specificity. Architects responsible for SOA implementation in most organizations have little time for abstract theories on the subject, but are hungry for concrete details that they can relate to the real problems they face in their environment. SOA Design Patterns is critical reading for anyone with service design responsibilities. Not only does the text provide the normal pattern templates, but each pattern is applied in detail against a background case study to provide exceptionally meaningful context to the information. The graphic visualizations of the problems and pattern solutions are excellent supplementary companions

to the explanatory text. This book will greatly stretch the knowledge of the reader as much for raising and addressing issues that may have never occurred to the reader as it does in treating those problems that are in more common occurrence. The real beauty of this book is in its plain English prose. Unlike so many technical reference books, one does not find themselves re-reading sections multiple times trying to discern the intent of the author. This is also not a reference that will sit gathering dust on a shelf after one or two perusings. Practitioners will find themselves returning over and over to utilize the knowledge in their projects. This is as close as you'll come to having a service design expert sitting over your shoulder." - James Kinneavy, Principal Software Architect, University of California "As the industry converges on SOA patterns, Erl provides an outstanding reference guide to composition and integration-and yet another distinctive contribution to the SOA practice." - Steve Birkel, Chief IT Technical Architect, Intel Corp. "With SOA Design Patterns, Thomas Erl adds an indispensable SOA reference volume to the technologist's library. Replete with to-the-point examples, it will be a helpful aid to any IT organization." - Ed Dodds, Strategist, Systems Architect, Conmergence "Again, Thomas Erl has written an indispensable guide to SOA. Building on his prior successes, his patterns go into even more detail. Therefore, this book is not only helpful to the SOA beginner, but also provides new insight and ideas to professionals." - Philipp Offermann, Research Scientist, Technische Universität Berlin, Germany "SOA Design Patterns is an extraordinary contribution to SOA best practices! Once again, Thomas has created an indispensable resource for any person or organization interested in or actively engaged in the practice of Service Oriented Architecture. Using case studies based on three very different business models, Thomas guides the reader through the process of selecting appropriate implementation patterns to ensure a flexible, well-performing, and secure SOA ecosystem." - Victor Brown, Managing Partner and Principal Consultant, Cypress Management Group Corporation In cooperation with experts and practitioners throughout the SOA community, best-selling author Thomas Erl brings together the de facto catalog of design patterns for SOA and service-orientation. More than three years in development and subjected to numerous industry reviews, the 85 patterns in this full-color book provide the most successful and proven design techniques to overcoming the most common and critical problems to achieving modern-day SOA. Through numerous examples, individually documented pattern profiles, and over 400 color illustrations, this book provides in-depth coverage of: - Patterns for the design, implementation, and governance of service inventories-collections of services representing individual service portfolios that can be independently modeled, designed, and evolved. - Patterns specific to service-level architecture which pertain to a wide range of design areas, including contract design, security, legacy encapsulation, reliability, scalability, and a variety of implementation and governance issues. - Service composition patterns that address the many aspects associated with combining services into

aggregate distributed solutions, including topics such as runtime messaging and message design, inter-service security controls, and transformation. - Compound patterns (such as Enterprise Service Bus and Orchestration) and recommended pattern application sequences that establish foundational processes. The book begins by establishing SOA types that are referenced throughout the patterns and then form the basis of a final chapter that discusses the architectural impact of service-oriented computing in general. These chapters bookend the pattern catalog to provide a clear link between SOA design patterns, the strategic goals of service-oriented computing, different SOA types, and the service-orientation design paradigm. This book series is further supported by a series of resources sites, including soabooks.com, soaspecs.com, soapatterns.org, soamag.com, and soaposters.com. Reverse Engineering of Design Patterns from Java Source Code InfoWorld InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. WS-BPEL 2.0 for SOA Composite Applications with IBM WebSphere 7 Packt Publishing Ltd Define, model, implement, and monitor real-world BPEL 2.0 business processes with SOA-powered BPM for IBM WebSphere 7 with this book and eBook.