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amounts of data across a distributed system eventual consistency is explained along with the mapreduce and database sharding patterns handling failure understand how multitenant cloud services and commodity hardware influence your applications patterns covered include busy signal and node failure distributed users learn how to overcome delays due to network latency when building applications for a geographically distributed user base patterns covered include colocation valet key cdn and multi site deployment

New Testament Pattern 2022-11-24

what is the nature of christian unity is it sacramental organic federal spiritual these are questions that demand careful examination when different christian traditions are drawing closer to one another in a common desire to heal the divisions that hinder the witness of the church to the world in any attempt to deal with these questions full weight must be given to the evidence of the new testament itself what kind of unity does it reveal in new testament pattern jean louis leuba reveals a two fold framework of unity in the new testament one strand in its witness to christ to the apostles and to the church emphasises the institutional traditional and particular the other strand emphasises the personal dynamic and universal yet the two strands are actually one their unity is more comprehensive more creative than any undifferentiated unity could be with important implications for ecumenism and broader scriptural study

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DevOps Design Pattern 2023-12-29

devops design architecture and its implementations with best practices key features streamlined collaboration for faster high quality software delivery efficient automation of development testing and deployment processes integration of continuous monitoring and security measures for reliable applications description devops design patterns encompass a set of best practices aimed at revolutionizing the software development lifecycle it introduces a collaborative and streamlined approach to bring together different aspects of development testing deployment and operations at its core devops seeks to break down traditional silos between these functions fostering a culture of cooperation and continuous communication among teams this interconnectivity enables faster higher quality software delivery by eliminating bottlenecks devops best practices offer significant benefits to devops engineers enhancing their effectiveness and efficiency examine best practices for version control and dynamic environments closely learn how to build once deploy many and master the art of continuous integration and delivery ci cd reducing manual intervention and minimizing errors each chapter equips you with actionable insights guiding you through automated testing robust monitoring and effective rollback strategies you will confidently tap into the power of infrastructure as code iac and devsecops methodologies ensuring secure and scalable software delivery overall devops best practices enable devops engineers to deliver high quality scalable and secure software in a more streamlined and collaborative environment what you will learn apply devops design patterns to optimize system architecture and performance implement devops best practices for efficient software development establish robust and scalable ci cd processes with security considerations effectively troubleshoot issues and ensure reliable and resilient software seamlessly integrate security practices into the entire software development lifecycle from coding to deployment who this book is for software developers software architects infrastructure engineers operation engineers cloud engineers quality assurance qa engineers and all

devops professionals across all experience levels to master efficient software delivery through proven design patterns table of contents 1 why devops 2 implement version control and tracking 3 dynamic developer environment 4 build once deploy many 5 frequently merge code continuous integration 6 software packaging and continuous delivery 7 automated testing 8 rapid detection of compliance issues and security risks 9 rollback strategy 10 automated infrastructure 11 focus on security devsecops

Mastering Python Design Patterns 2015-01-28

this book is for python programmers with an intermediate background and an interest in design patterns implemented in idiomatic python programmers of other languages who are interested in python can also benefit from this book but it would be better if they first read some introductory materials that explain how things are done in python

Learning Dynamics NAV Patterns 2015-09-24

create solutions that are easy to maintain quick to upgrade and follow proven concepts and designs about this book design software that is maintainable outside the ecosystem of their creators ensure quality by following patterns that have been proved to work over two dozen practical architectural and design patterns who this book is for learning dynamics nav patterns is intended for developers architects technical consultants and application managers you may have very little or no knowledge about nav patterns but you should be acquainted with programming what you will learn apply object oriented practices to c al programming structure your application to avoid merge conflicts refactor legacy code and avoid anti patterns design decision trees to decide when to use which patterns clone codes and their application in dynamics nav make your application extensible by creating predefined hooks and facades in detail microsoft dynamics nav is a complete erp system which also contains a robust set of development tools to support customization and enhancement these include an object designer for each of the seven application object types a business application oriented programming language with net interface capability a compiler a debugger and programming testing language support learning dynamics nav patterns will guide you through the nav way of solving problems this book will first introduce you to patterns and the software architecture of the nav and then help you to build an example application then it walks you through the details of architectural patterns design patterns and implementation patterns this book will also talk about anti patterns and handling legacy code finally it teaches you to build solutions using patterns proven patterns and best practices will help you create better solutions that are easy to maintain in larger teams across several locations it will guide you through combining abstract patterns using easy to understand examples and will help you decide which patterns to use in which scenarios style and approach this book explains the concepts of patterns code structuring and object oriented concepts in a way that is easy to understand for dynamics nav specialists through practical examples

Design Patterns in .NET 2024-01-19

classic tricks in a modern wrap key features learn fundamentals of object oriented programming oop learn powerful creational structural and behavioral patterns apply solid and gof principles for maintainable and scalable code description a comprehensive guide that takes you on a journey through the world of design patterns in net empowering you to create software that is not only robust and efficient but also maintainable scalable and testable develop a solid understanding of object oriented programming oop principles including inheritance encapsulation and

polymorphism forming the groundwork for well structured code explore creational design patterns like factory and abstract factory mastering object instantiation and delve into structural patterns such as adapter and composite governing object composition navigate the intricacies of behavioral patterns like template method and observer to control object interaction effectively unravel the mysteries of solid principles single responsibility open closed liskov substitution interface segregation and dependency inversion for building maintainable scalable and testable code this book can give you an insight into how modern software is written what problems software developers face in their everyday work and how they solve them by simplifying the design and structure of the code after reading this book you will become a better developer who can talk freely with more experienced colleagues and easily solve complex tasks with minimum effort what you will learn designing simple and reusable solutions reduce the learning curve in design patterns how to design your class hierarchy explore ways to avoid common software design mistakes elevate your software development skills to a new level who this book is for this book is perfect for net developers of all levels from beginners to professionals whether you are a software engineer a system architect or passionate about crafting high quality code this book will equip you with the knowledge and practical skills to become a true master of design patterns table of contents 1 main oop standpoints 2 creational design patterns factory and builder 3 creational design patterns singleton and prototype 4 structural design patterns adapter composite and flyweight 5 structural design patterns object composition 6 object behavioral design patterns 7 behavioral design patterns observer visitor and state 8 behavioral design patterns mediator and command 9 behavioral design patterns interpreter iterator and memento 10 the solid principles 11 inversion of control in net core

.NET 7 Design Patterns In-Depth 2023-07-07

unlock the power of design patterns to build robust and scalable net applications key features develop a solid understanding of solid principles and learn effective strategies to master their application gain the knowledge and skills to elevate software architecture by applying appropriate design patterns get a comprehensive analysis of the advantages and limitations inherent in each design pattern description design patterns in net improve code quality encourage collaboration and address common software design issues resulting in more efficient and effective software development projects this book is an ideal resource for those seeking to learn about design patterns in net and their practical application the book highlights the importance of design patterns in solving software design challenges it then proceeds to explore creational design patterns which primarily address object creation followed by structural design patterns that handle object composition and organization furthermore the book delves into behavioral design patterns which center around the interaction and communication between objects it also covers domain logic design patterns data source architectural design patterns object relational behaviors structures and metadata mapping design patterns moving on the book provides insights into web presentation design patterns offering guidance on the effective design of web interfaces it also examines distribution design patterns offline concurrency design patterns and session state design patterns lastly the book presents base design patterns as fundamental building blocks for other patterns upon completion of this book you will possess the knowledge and skills required to design and implement suitable software infrastructures using design patterns net 7 0 and the c programming language what you will learn enhance proficiency in managing object creation by utilizing creational design patterns learn how to manage class relationships using structural design patterns implement behavioral design patterns to manage object and class behavior effectively understand how to use concurrency design patterns to handle multi threaded scenarios learn how to use data access design patterns to optimize

data management capabilities who this book is for this book caters to software engineers programmers and software system architects with intermediate knowledge of the c net programming language net 7 0 and uml table of contents 1 introduction to design patterns 2 creational design patterns 3 structural design patterns 4 behavioral design patterns part i 5 behavioral design patterns part ii 6 domain logic design patterns 7 data source architecture design patterns 8 object relational behaviors design patterns 9 object relational structures design patterns 10 object relational metadata mapping design patterns 11 presentation design patterns 12 distribution design patterns 13 offline concurrency design patterns 14 session state design patterns 15 base design patterns

1С:Документооборот. Версия 3.0. 300 вопросов и ответов (+ epub) 2023-09-29

Практическое пособие от авторов много лет занимающихся работой с программным продуктом 1С Документооборот подготовлено для знакомства с новой версией этой программы С выходом версии 3 0 появились новые вызовы чем больше возможностей у системы тем шире область ее применения В этом руководстве путеводителе рассмотрены актуальные вопросы отобранные среди множества запросов пользователей Ответы на эти вопросы подготовлены на основе опробованных на практике решений Книга написана командой 1С КПД дочерней компании фирмы 1С специализирующейся на проектах автоматизации документоцентрированных процессов компаний разных сфер с помощью программного продукта 1С Документооборот 1С Документооборот сейчас это решение очень широкого спектра задач от организации работы секретариата небольшой фирмы до управленческого контура глобальных корпораций от управления документами до управления связями и любым иным контентом компании 1С Документооборот не только про регистрацию писем но и про выстраивание любого процесса компании по этапам и про ответственных относительно любого объекта На основе конфигурации 1С Документооборот развивают свои системы управления корпоративным контентом так называемые enterprise content management system промышленные предприятия компании атомной и нефтегазовой отраслей государственные корпорации разных направлений деятельности организации банковской сферы государственные и муниципальные органы управления предприятия торговли и сферы услуг Решения автоматизации предлагаемые в 1С Документообороте универсальны Будучи вне отраслевой специфики программа легко может быть настроена и адаптирована под конкретные задачи она позволяет упорядочить работу сотрудников с документами исключить возможность утери версий или пересечения фрагментов при одновременной работе сократить время поиска и коллективной обработки документов повысить качество подготовки решений контрольных мероприятий реализации проектов и бизнес процессов Книга во многом дополняет штатную документацию к программному продукту входящую в комплект поставки Информация сгруппирована по тематическим главам основанным на вопросах пользователей и специалистов уже работающих с 1С Документооборотом Цель книги оказать практическую помощь в использовании и настройке 1С Документооборота научить пользователей использовать возможности программы более эффективно В подготовке книги принимали участие специалисты компаний 1С КПД и 1С Андреев В Ю Андреев М С Гацков А Н Гиниатуллин Р Р Екшова А М Киселева А С Кайбанов И В редактор Митькина К Ф Павлюнин М В Шабалин Д В

Python Programming with Design Patterns 2021-12-17

improve your python code with modern object oriented design patterns to write clean efficient maintainable code developers everywhere turn to design patterns now there s a python specific patterns guide that s friendly and practical enough for every python developer regardless of experience best selling patterns author james w cooper presents visual example driven explanations of 23 proven patterns for writing superior object oriented code through clear and intuitive code samples he introduces

modern techniques for creating python objects that interact effectively in powerful flexible programs python newcomers including those moving from other languages will find a succinct introduction designed to get them up to speed fast cooper s wide ranging patterns coverage addresses abstract classes multiple inheritance gui programming and widgets graphical classes drawing and plotting math databases python decorators images threads iterators creating executable code and more throughout his informal visual presentation makes patterns far easier to work with so you can confidently build sophisticated programs that use python s rich capabilities review the essentials of python objects and visual programming learn what design patterns are and how they help you write better code use creational patterns to enhance flexibility and avoid unnecessary complexity apply structural patterns to ensure that program elements work together well in large programs optimize communication between objects with behavioral patterns

PDF Explained 2011-12-08

an introduction to the pdf file format threaded through with practical examples deconstructing creating and processing pdf files after exploring how pdf is produced and how it can be edited with tools from text editors to ghostscript to pdftk readers will learn to deal with problems with pdf files and common error messages

Mobility Patterns and Urban Structure 2015-05-28

the research presented in this book highlights the relevance of centrality in travel behaviour and in more sustainable travel choices different operational forms of the centrality concept are revealed as important it is shown that more sustainable travel can be influenced by several urban structure factors and that no particular combination is required as long as a certain level of centrality is provided finally the book concludes that urban structure can on one hand constrain and on the other influence travel choice

Apple iPad Air 2 iOS 8.1 2015-01-13

Apple iPad Air 2 iOS 8.1

2019

explore python design patterns such as observer proxy throttling dependency injection and anti patterns to develop efficient and scalable applications key features master essential design principles to build robust software architecture with the latest features in python 3 10 apply proven design patterns to solve complex problems efficiently understand anti patterns to avoid common pitfalls in python programming purchase of the print or kindle book includes a free pdf ebook book descriptionas software systems become increasingly complex maintaining code quality scalability and efficiency can be a daunting challenge mastering python design patterns is an essential resource that equips you with the tools you need to overcome these hurdles and create robust scalable applications the book delves into design principles and patterns in python covering both classic and modern patterns and showing you how to apply them to solve daily challenges as a python developer or architect this new edition covers creational structural behavioral and architectural patterns including concurrency asynchronous and performance patterns you ll explore how these patterns are relevant to various domains such as event handling concurrency distributed systems and testing whether you re working on user interfaces uis web apps apis data pipelines or ai models this book equips you with the knowledge to build robust and maintainable software the book also presents

python anti patterns helping you avoid common pitfalls and ensuring your code remains clean and efficient by the end of this book you ll be able to confidently apply classic and modern python design patterns to build robust scalable applications what you will learn master fundamental design principles and solid concepts become familiar with gang of four gof patterns and apply them effectively in python explore architectural design patterns to architect robust systems delve into concurrency and performance patterns for optimized code discover distributed systems patterns for scalable applications get up to speed with testing patterns to ensure code reliability and maintainability develop modular decoupled systems and manage dependencies efficiently who this book is for with a focus on intermediate and advanced python programmers this book offers valuable insights into the best practices for software design backed by real world examples and decades of experience the book is also an excellent resource for software architects and team leaders who want to improve code quality and maintainability across their projects prior python proficiency including syntax data structures and oop will help you get the most out of this book

Mastering Python Design Patterns 2024-05-31

master the art of container management with kubernetes and study robust container orchestration to ensure that your container based applications sail into production without hiccups key featuresimplement best practices in cloud native applications using kubernetesexplore the usage of client libraries and programmatic access to kubernetes use your domain expertise to codebook description before plunging into how kubernetes works this book introduces you to the world of container orchestration and describes the recent changes in application development you ll understand problems that kubernetes solves and get to grips with using kubernetes resources to deploy applications in addition to this you ll learn to apply the security model of kubernetes clusters kubernetes design patterns and extensions describes how services running in kubernetes can leverage the platform s security features once you ve grasped all this you ll explore how to troubleshoot kubernetes clusters and debug kubernetes applications you also discover how to analyze the networking model and its alternatives in kubernetes and apply best practices with design patterns by the end of this book you ll have studied all about using the power of kubernetes for managing your containers what you will learnunderstand and classify software designs as per the cloud native paradigmapply best practices in kubernetes with design patternsset up kubernetes clusters in managed and unmanaged environmentsexplore kubernetes extension pointsextend kubernetes with custom resources and controllers integrate dynamic admission controllersdevelop and run custom schedulers in kubernetesanalyze networking models in kuberneteswho this book is for kubernetes design patterns and extensions is for you if you are interested in configuring and troubleshooting kubernetes clusters and developing microservices based applications on kubernetes clusters devops engineers with basic knowledge of docker will also find this book useful it is assumed that you are comfortable using command line tools and programming concepts and languages

Kubernetes Design Patterns and Extensions 2018-09-27

explore the concepts and tools you need to discover the world of microservices with various design patterns key features get to grips with the microservice architecture and build enterprise ready microservice applications learn design patterns and the best practices while building a microservice application obtain hands on techniques and tools to create high performing microservices resilient to possible fails book description microservices are a hot trend in the development world right now many enterprises have adopted this approach to achieve agility and the continuous delivery of applications to gain a competitive advantage this book will take you

through different design patterns at different stages of the microservice application development along with their best practices microservice patterns and best practices starts with the learning of microservices key concepts and showing how to make the right choices while designing microservices you will then move onto internal microservices application patterns such as caching strategy asynchronism cqrs and event sourcing circuit breaker and bulkheads as you progress you ll learn the design patterns of microservices the book will guide you on where to use the perfect design pattern at the application development stage and how to break monolithic application into microservices you will also be taken through the best practices and patterns involved while testing securing and deploying your microservice application at the end of the book you will easily be able to create interoperable microservices which are testable and prepared for optimum performance what you will learn how to break monolithic application into microservices implement caching strategies cqrs and event sourcing and circuit breaker patterns incorporate different microservice design patterns such as shared data aggregator proxy and chained utilize consolidate testing patterns such as integration signature and monkey tests secure microservices with jwt api gateway and single sign on deploy microservices with continuous integration or delivery blue green deployment who this book is for this book is for architects and senior developers who would like implement microservice design patterns in their enterprise application development the book assumes some prior programming knowledge

Microservice Patterns and Best Practices 2018-01-31

a definitive guide to mastering and implementing concurrency patterns in your applications key features build scalable apps with patterns in multithreading synchronization and functional programming explore the parallel programming and multithreading techniques to make the code run fast efficiently use the techniques outlined to build reliable applications book description selecting the correct concurrency architecture has a significant impact on the design and performance of your applications this book explains how to leverage the different characteristics of parallel architecture to make your code faster and more efficient to start with you ll understand the basic concurrency concepts and explore patterns around explicit locking lock free programming futures actors then you ll get insights into different concurrency models and parallel algorithms and put them to practice in different scenarios to realize your application s true potential we ll take you through multithreading design patterns such as master slave leader follower map reduce and monitor also helping you to learn hands on coding using these patterns once you ve grasped all of this you ll move on to solving problems using synchronizer patterns you ll discover the rationale for these patterns in distributed parallel applications followed by studying how future composition immutability and the monadic flow help create more robust code toward the end of the book you ll learn about the actor paradigm and actor patterns the message passing concurrency paradigm what you will learn explore parallel architecture get acquainted with concurrency models internalize design themes by implementing multithreading patterns get insights into concurrent design patterns discover design principles behind many java threading abstractions work with functional concurrency patterns who this book is for this is a must have guide for developers who want to learn patterns to build scalable and high performing apps it s assumed that you already have a decent level of programming knowledge

Concurrent Patterns and Best Practices 2018-09-27

make the most of kotlin by leveraging design patterns and best practices to build scalable and high performing apps key features understand traditional gof design patterns to apply generic solutions shift from oop to fp covering reactive and

concurrent patterns in a step by step manner choose the best microservices architecture and mvc for your development environment book description design patterns enable you as a developer to speed up the development process by providing you with proven development paradigms reusing design patterns helps prevent complex issues that can cause major problems improves your code base promotes code reuse and makes an architecture more robust the mission of this book is to ease the adoption of design patterns in kotlin and provide good practices for programmers the book begins by showing you the practical aspects of smarter coding in kotlin explaining the basic kotlin syntax and the impact of design patterns from there the book provides an in depth explanation of the classical design patterns of creational structural and behavioral families before heading into functional programming it then takes you through reactive and concurrent patterns teaching you about using streams threads and coroutines to write better code along the way by the end of the book you will be able to efficiently address common problems faced while developing applications and be comfortable working on scalable and maintainable projects of any size what you will learn get to grips with kotlin principles including its strengths and weaknesses understand classical design patterns in kotlin explore functional programming using built in features of kotlin solve real world problems using reactive and concurrent design patterns use threads and coroutines to simplify concurrent code flow understand antipatterns to write clean kotlin code avoiding common pitfalls learn about the design considerations necessary while choosing between architectures who this book is for this book is for developers who would like to master design patterns with kotlin to build efficient and scalable applications basic java or kotlin programming knowledge is assumed

Hands-On Design Patterns with Kotlin 2018-06-15

learn to apply cloud native patterns and practices to deliver responsive resilient elastic and message driven systems with confidence key features understand the architectural patterns involved in cloud native architectures minimize risk by evolving your monolithic applications into distributed cloud native systems discover best practices for applying cloud native patterns to your enterprise level cloud applications book description build systems that leverage the benefits of the cloud and applications faster than ever before with cloud native development this book focuses on architectural patterns for building highly scalable cloud native systems you will learn how the combination of cloud reactive principles devops and automation enable teams to continuously deliver innovation with confidence begin by learning the core concepts that make these systems unique you will explore foundational patterns that turn your database inside out to achieve massive scalability with cloud native databases you will also learn how to continuously deliver production code with confidence by shifting deployment and testing all the way to the left and implementing continuous observability in production there s more you will also learn how to strangle your monolith and design an evolving cloud native system by the end of the book you will have the ability to create modern cloud native systems what you will learn enable massive scaling by turning your database inside out unleash flexibility via event streaming leverage polyglot persistence and cloud native databases embrace modern continuous delivery and testing techniques minimize risk by evolving your monoliths to cloud native apply cloud native patterns and solve major architectural problems in cloud environment who this book is for this book is for developers who would like to progress into building cloud native systems and are keen to learn the patterns involved basic knowledge of programming and cloud computing is required

Cloud Native Development Patterns and Best Practices 2018-02-09

this volume explores theoretical discourses in which religion is used to legitimize political violence it examines the ways in which christianity and islam are utilized for political ends in particular how violence is used or abused as an expedient to justify political action this research focuses on premodern as well as contemporary discourses in the middle east and latin america identifying patterns frequently used to justify the deployment of violence in both hegemonic and anti hegemonic discourses in addition it explores how premodern arguments and authorities are utilized and transformed in order to legitimize contemporary violence as well as the ways in which the use of religion as a means to justify violence alters the nature of conflicts that are not otherwise explicitly religious it argues that most past and present conflicts even if the discourses about them are conducted in religious terms have origins other than religion and or blend religion with other causes namely socio economic and political injustice and inequality understanding the use and abuse of religion to justify violence is a prerequisite to discerning the nature of a conflict and might thus contribute to conflict resolution

Patterns Legitimizing Political Violence in Transcultural Perspectives 2015-05-19

the market s bestselling and most comprehensive reference on chart patterns backed by statistics and decades of experience when the smart money trades the securities markets they leave behind financial footprints combine enough footprints together and you have a trail to follow that trail becomes what s called a chart pattern encyclopedia of chart patterns third edition expands upon bulkowski s immensely popular second edition with fully revised and updated material on chart patterns whether you re new to the stock market or an experienced professional trader use this book as a reference guide to give you an edge within the pages of this book you ll learn how to identify chart patterns supported by easy to understand performance statistics describing how well a pattern works what the failure rate is and what special quirks suggest better future performance you ll discover how often a stop loss order will trigger at various locations within a chart pattern how the chart pattern s performance has evolved over the past three decades and how to profit from failure by trading busted patterns this broadened and revised third edition offers investors the most comprehensive up to date guide to this popular method of market analysis written by a leading expert on chart patterns tom bulkowski this edition includes revised statistics on 75 chart patterns including 23 new ones with pictures and performance statistics packaged within easy to read text gain essential knowledge of chart patterns and how they are used to predict price movements in bull and bear markets new tables include how often stops are hit busted pattern performance performance over the decades and special pattern features joining tour identification guidelines focus on failures statistics trading tactics and sample trade is experience it puts you in the passenger s seat so you can share lessons learned from bulkowski s trades this edition reports on statistics from nearly four times the number of samples used in the second edition and ten times the number in the first edition the encyclopedia of chart patterns third edition further solidifies the reputation of this book as the leading reference on chart patterns setting it far above the competition

Encyclopedia of Chart Patterns 2021-04-06

build robust and scalable ios and mac os x game applications about this book learn

to use and implement the 23 gang of four design patterns using swift 2 design and architect your code for swift application development understand the role generic uml design and participants in the class diagram of the pattern by implementing them in a step by step approach who this book is for this book is intended for competent swift developers who want to apply enduring design patterns with swift to structure and scale their application code what you will learn choose the appropriate pattern depending on the problem to be solved understand the generic class diagram of each of the 23 gof patterns and how each object participates in the pattern use swift to implement these patterns even though the language doesn't provide all of the object oriented programming concepts such as abstract class interface and so on architect your software to avoid the overuse of memory time spent on calculations or high network traffic find the best way to organize your code to make it more secure from the outside world prepare your code to make it more flexible when the consumer changes or the third party component hidden code changes structure your code to change the algorithm to apply at runtime deliver flyweight responsibility to your objects in detail swift is a multi paradigm language it has expressive features familiar to those used to work with modern functional languages while also keeping the object oriented features of objective c it remains compatible with apple's legacy codes and frameworks a design pattern systematically names motivates and explains a general design that addresses a recurring design problem in object oriented systems it describes the problem the solution when to apply the solution and its consequences it also gives implementation hints and examples knowledge about design patterns is also one of the best ways to make you different compared to other low level developers this book shows you how to use swift 2 to learn about 23 gang of four gof design patterns and is organized into three categories the book will present you the five creational patterns followed by the seven structural patterns and finishing with the 11 behavioral patterns as defined by the gof each chapter will introduce the pattern by defining its role which common problems the pattern should be used for its generic uml representation how each objects presented in the class diagram participate in the pattern and what the role of each of these objects is the book then presents you with a concrete case as an illustration that will be used to implement the pattern using swift style and approach a step by step tutorial completed with screenshots and code highlights wherever necessary each chapter discusses one or more patterns with its definitions and a simple to follow illustration case using a playground or xctext project to implement it with swift

Swift 2 Design Patterns 2015-10-28

design and develop high performance reusable and maintainable applications using traditional and modern julia patterns with this comprehensive guide key features explore useful design patterns along with object oriented programming in julia 1 0 implement macros and metaprogramming techniques to make your code faster concise and efficient develop the skills necessary to implement design patterns for creating robust and maintainable applications book description design patterns are fundamental techniques for developing reusable and maintainable code they provide a set of proven solutions that allow developers to solve problems in software development quickly this book will demonstrate how to leverage design patterns with real world applications starting with an overview of design patterns and best practices in application design you'll learn about some of the most fundamental julia features such as modules data types functions interfaces and metaprogramming you'll then get to grips with the modern julia design patterns for building large scale applications with a focus on performance reusability robustness and maintainability the book also covers anti patterns and how to avoid common mistakes and pitfalls in development you'll see how traditional object oriented patterns can be implemented differently and more effectively in julia finally you'll explore various use cases and examples such as how expert julia developers use design

patterns in their open source packages by the end of this julia programming book you ll have learned methods to improve software design extensibility and reusability and be able to use design patterns efficiently to overcome common challenges in software development what you will learnmaster the julia language features that are key to developing large scale software applicationsdiscover design patterns to improve overall application architecture and designdevelop reusable programs that are modular extendable performant and easy to maintainweigh up the pros and cons of using different design patterns for use casesexplore methods for transitioning from object oriented programming to using equivalent or more advanced julia techniqueswho this book is for this book is for beginner to intermediate level julia programmers who want to enhance their skills in designing and developing large scale applications

Hands-On Design Patterns and Best Practices with Julia **2020-01-17**

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Scala Design Patterns 2018-04-09

a hands on guide to mastering azure cloud design patterns and best practices key features master architectural design patterns in azure get hands on with implementing design patterns implement best practices for improving efficiency and security book description a well designed cloud infrastructure covers factors such as consistency maintenance simplified administration and development and reusability hence it is important to choose the right architectural pattern as it has a huge impact on the quality of cloud hosted services this book covers all azure design patterns and functionalities to help you build your cloud infrastructure so it fits your system requirements this book initially covers design patterns that are focused on factors such as availability and data management monitoring then the focus shifts to complex design patterns such as multitasking improving scalability valet keys and

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it was a part of the wisdom of mainstream economics that in the early stages of development inequality would rise but as growth persisted it would eventually decline early evidence seemed to suggest that this pattern would be borne out but as time passed and growth persisted inequality continued to grow casting doubt on the received wisdom the aim of this two volume book is to analyze the current state of global and regional inequality dissect the phenomenal increase in inequality that we have seen occur in recent times and better understand the complex relationship between inequality and development the political instability and conflict that we see around the world arguably has connection to economic deprivation of large segments of society and the perception of marginalization this two volume work acquires a special significance in the light of these developments

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patterns of entrepreneurship management 6th edition is the essential roadmap for anyone interested in starting a new venture whether for profit or social enterprise featuring updated themes new cases and enhanced interactive learning tools the sixth edition of patterns of entrepreneurship management addresses the challenges issues and rewards real life entrepreneurs encounter when starting and growing a venture in today s complex world using its innovative roadmap approach this practical guide enables students and aspiring entrepreneurs to design execute and maintain their business plan covering every essential step of the entrepreneurial process from turning an idea into a business model to securing funding and managing resources to support student venture development and faculty facilitation of associated topics the authors have added over 30 worksheets that serve as prompts to help students focus on what should be considered at each stage of venture development for each chapter specific best practices associated with each worksheet have been included to help students understand the theory and or rationale behind the prompts helping the student connect the work with where they are in the venture process the authors draw from their extensive experience launching new ventures and educating thousands of students globally to provide a unique hands on approach to developing the skills required to start and build a company in the modern business environment discussions focus on the real life challenges facing startup founders important issues such as how to drive continuous innovation and how to create a company culture that maximizes success

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Книга посвящена исследованию срединной полосы Европейской России от западных границ до Урала и Зауралья Пласты освоения прошлых исторических периодов наклады ваясь друг на друга продолжают влиять на современную жизнь этой территории Несмотря на сравнительно небольшую площадь проблемы пространственной неравномерности развития здесь не менее остры чем во многих северных и восточных районах России Исследование ведется в разных масштабах от показа места этих территорий в судьбе страны до

подробного анализа двух групп старых промышленных районов в Центре и на Урале с их спецификой исторического развития современными социально демографическими хозяйственными культурными особенностями и внутренним устройством Приведенные примеры регионов городов и сельских поселений позволяют глубже понять анализируемые процессы Завершается книга выявлением современных пространственных социально экономических контрастов староосвоенного ареала на муниципальном уровне с показом успешных и наиболее проблемных городов и районов причин которые привели их к современному состоянию и последствий для экономики и жизни населения Исследование опирается на подготовленную авторами статистическую базу данных по муниципальным образованиям результаты дешифрирования космических снимков и полевые материалы собранные в ключевых регионах Оно сопровождается большим количеством карт графиков и фотографий Монография адресована не только профессионалам занимающимся проблемами пространственного развития но и широкому кругу читателей интересующихся судьбой России После покупки предоставляется дополнительная возможность скачать книгу в формате epub

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