

Instant Magento Performance Optimization How To Nayrolles Mathieu

Instant Magento Shipping How-To Instant Magento Performance Optimization How-To *Instant Magento Performance Optimization How-to Expert Angular Mastering Apache Solr Angular Design Patterns Employer and Employed Mastering Apache Solr (Colored Version) Mastering Angular 2 Xamarin Studio for Android Programming Angular 2 Design Patterns and Best Practices E-Technologies Applied Factor Analysis in the Natural Sciences Learning Magento 2 Administration Inequalities in Mechanics and Physics Java Hibernate Cookbook Essential Angular Testing Angular Applications Proceedings of the 5th International Conference on Big Data and Internet of Things Entangled Histories of the Balkans - Volume Four References to Scientific Literature on Fire Angular Router Pro Angular Bishop Museum Occasional Papers The Antiquarians of the Nation Pierre Franey's Cooking in America Archives of Mechanics Unreal Engine Game Development Cookbook Cave Ecology Design Patterns in C# Kali Linux CTF Blueprints Architecting Angular Applications with Redux, RxJS, and NgRx Recent Advances in Integrated Design and Manufacturing in Mechanical Engineering Computational Science and Its Applications - ICCSA 2021 Recent French Books Apache Solr Search Patterns Rhythm Country Inns and Back Roads Intelligent Systems in Big Data, Semantic Web and Machine Learning J2EE AntiPatterns*

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E-Technologies Jan 28 2022 This book constitutes the refereed proceedings of the 6th International Conference on E-Technologies, MCETECH 2015, held in Montréal, Canada, in May 2015. The 18 papers presented in this volume were carefully reviewed and selected from 42

submissions. They have been organized in topical sections on process adaptation; legal issues; social computing; eHealth; and eBusiness, eEducation and eLogistics.

Angular Design Patterns Aug 03 2022 Make the most of Angular by leveraging design patterns and best practices to build stable and high

performing apps Key Features Get to grips with the benefits and applicability of using different design patterns in Angular with the help of real-world examples Identify and prevent common problems, programming errors, and anti-patterns Packed with easy-to-follow examples that can be used to create reusable code and extensible designs Book Description This book is an insightful journey through the most valuable design patterns, and it will provide clear guidance on how to use them effectively in Angular. You will explore some of the best ways to work with Angular and how to use it to meet the stability and performance required in today's web development world. You'll get to know some Angular best practices to improve your productivity and the code base of your application. We will take you on a journey through Angular designs for the real world, using a combination of case studies, design patterns to follow, and anti-patterns to avoid. By the end of the book, you will understand the various features of Angular, and will be able to apply well-known, industry-proven design patterns in your work. What you will learn Understand Angular design patterns and anti-patterns Implement the most useful GoF patterns for Angular Explore some of the most famous navigational patterns for Angular Get to know and implement stability patterns Explore and implement operations patterns Explore the official best practices for Angular Monitor and improve the performance of Angular applications Who this book is for If you want to increase your understanding of Angular and apply it to real-life application development, then this book is for you.

J2EE AntiPatterns Aug 30 2019 "The flip-side of Patterns, AntiPatterns provide developers with formal descriptions of common development gaffes that can derail a project along with practical guidelines on how to avoid them. In this book, the authors present dozens of Java AntiPatterns that tackle many of Java's biggest trouble spots for programming with EJB, JSP, Servlets, and more. Each AntiPattern is documented with real-world examples, code, and refactored (or escape-route) solutions, and the book uses UML (where appropriate) to diagram improved solutions. All code examples from the book are available to the reader on the book's companion Web site."

Recent Advances in Integrated Design and Manufacturing in Mechanical Engineering Apr 06 2020 This book presents recent advances in the integration and the optimization of product design and manufacturing systems. The book is divided into 3 chapters corresponding to the following three main topics : - optimization of product design process (mechanical design process, mass customization, modeling the product representation, computer support for engineering design, support systems for tolerancing, simulation and optimization tools for structures and for mechanisms and robots), -optimization of manufacturing systems (multi-criteria optimization and fuzzy volumes, tooth path generation, machine-tools behavior, surface integrity and precision, process simulation), - methodological aspects of integrated design and manufacturing (solid modeling, collaborative tools and knowledge formalization, integrating product and process design and innovation, robust and reliable design, multi-agent approach in VR environment). The present book is of interest to engineers, researchers, academic staff, and postgraduate students interested in integrated design and manufacturing in mechanical engineering.

Unreal Engine Game Development Cookbook Sep 11 2020 Over 40 recipes to accelerate the process of learning game design and solving development problems using Unreal Engine About This Book Explore the quickest way to tackle common challenges faced in Unreal Engine Create your own content, levels, light scenes, and materials, and work with Blueprints and C++ scripting An intermediate, fast-paced Unreal Engine guide with targeted recipes to design games within its framework Who This Book Is For This book is for those who are relatively experienced with Unreal Engine 4 and have knowledge of its fundamentals. Working knowledge of C++ is required. What You Will Learn Discover editor functionalities for an in-depth insight into game design Develop environments using terrain for outdoor areas and a workflow for interiors as well using brushes Design various kinds of materials with unique features, such as mirrors and glows Explore the various ways that lighting can be used in the engine Build various level effects using Blueprints, Unreal's visual scripting system Set up a development

environment and develop custom functionality with C++ for your games. Create healthbars and main menus with animations using Slate, Unreal's UI solution, through the UMG Editor Package and create an installer to get your project out into the world. In Detail Unreal Engine is a powerful tool with rich functionalities to create games. It equips you with the skills to easily build mobile and desktop games from scratch without worrying about which platform they will run on. You can focus on the individual complexities of game development such as animation and rendering. This book takes you on a journey to jumpstart your game design efforts. You will learn various aspects of the Unreal engine commonly encountered with practical examples of how it can be used, with numerous references for further study. You will start by getting acquainted with Unreal Engine 4 and building out levels for your game. This will be followed by recipes to help you create environments, place meshes, and implement your characters. You will then learn to work with lights, camera, and shadows to include special effects in your game. Moving on, you'll learn Blueprint scripting and C++ programming to enable you to achieve trigger effects and add simple functionalities. By the end of the book, you will see how to create a healthbar and main menu, and then get your game ready to be deployed and published. Style and approach This book offers detailed, easy-to-follow recipes that will help you master a wide range of Unreal Engine 4's features. Every recipe provides step-by-step instructions, with explanations of how these features work, and alternative approaches and research materials so you can learn even more.

Instant Magento Performance Optimization How-to Nov 06 2022 Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Get the job done and learn as you go. A how-To book with practical recipes accompanied with rich screenshots for easy comprehension. This is a Packt Instant How-to, and provides a quick and easy way to improve your Magento performance with step-by-step instructions for important tasks. This book is written for Magento administrators who are familiar with the backend console but new to anything beyond this, and wish to optimize their store for increasing performance.

Employer and Employed Jul 02 2022

Angular 2 Design Patterns and Best Practices Feb 26 2022 Make the most of Angular by leveraging design patterns and best practices to build stable and high performing apps. Key Features Get to grips with the benefits and applicability of using different design patterns in Angular with the help of real-world examples. Identify and prevent common problems, programming errors, and anti-patterns. Packed with easy-to-follow examples that can be used to create reusable code and extensible designs. Book Description This book is an insightful journey through the most valuable design patterns, and it will provide clear guidance on how to use them effectively in Angular. You will explore some of the best ways to work with Angular and how to use it to meet the stability and performance required in today's web development world. You'll get to know some Angular best practices to improve your productivity and the code base of your application. We will take you on a journey through Angular designs for the real world, using a combination of case studies, design patterns to follow, and anti-patterns to avoid. By the end of the book, you will understand the various features of Angular, and will be able to apply well-known, industry-proven design patterns in your work. What you will learn Understand Angular design patterns and anti-patterns. Implement the most useful GoF patterns for Angular. Explore some of the most famous navigational patterns for Angular. Get to know and implement stability patterns. Explore and implement operations patterns. Explore the official best practices for Angular. Monitor and improve the performance of Angular applications. Who this book is for If you want to increase your understanding of Angular and apply it to real-life application development, then this book is for you.

Pierre Franey's Cooking in America Nov 13 2020 A companion to the popular PBS series presents a culinary tour of America, featuring two hundred recipes for favorite American dishes from across the country. Reprint. TV tie-in. 25,000 first printing. Tour.

Inequalities in Mechanics and Physics Oct 25 2021 1. We begin by giving a simple example of a partial differential inequality that occurs in an elementary physics problem. We consider a fluid with pressure $u(x, t)$ at

the point x at the instant t that \mathcal{F} occupies a region Q of \mathbb{R}^3 bounded by a membrane r of negligible thickness that, however, is semi-permeable, i. e., a membrane that permits the fluid to enter Q freely but that prevents all outflow of fluid. One can prove then (cf. the details in Chapter 1, Section 2.2.1) that $\text{div}(\mathbf{u}) = \rho^{-1} \text{div}(\rho \mathbf{u})$ (1) in Q , $t > 0$, $-\mathbf{n} \cdot \text{grad} u = g$ on r , $\mathbf{n} \cdot \text{grad} u = -\mathbf{n} \cdot \text{grad} \phi$ on r if ϕ is a given function, with boundary conditions in the form of inequalities $u(x, t) \geq 0$, $\mathbf{n} \cdot \text{grad} u = 0$, $\mathbf{n} \cdot \text{grad} u = 0$ on r , to which is added the initial condition (3) $u(x, 0) = u_0(x)$. We note that conditions (2) are non linear; they imply that, at each fixed instant t , there exist on r two regions r_+ and r_- where $u(x, t) = 0$ and $\mathbf{n} \cdot \text{grad} u = 0$, respectively. These regions are not prescribed; thus we deal with a "free boundary" problem.

Mastering Angular 2 Apr 30 2022 Work with the intricacies of Angular 2 to build efficient and flexible applications About This Book* Effectively structure, write, test, and deploy your application* Harness the full power of Angular 2 by creating your own components* Query and modify data in various back ends and become proficient with the Promise API Who This Book Is For If you are a JavaScript developer looking for a comprehensive learning path that will take you from the essentials to a high intermediate level, then this is the book for you. We assume that you have worked with Angular before and are new to Angular 2. Working knowledge of HTML, CSS, and JavaScript is expected. What You Will Learn* Design and code an effective navigation schema in your web application* Apply the dependency injection principle when designing Angular 2 components and services* Secure your web application from unauthorized users* Quickly create complex forms, taking full advantage of 2-way data binding* Unit test your code using the Jasmine BDD testing and Protractor frameworks* Integrate Bootstrap with Angular 2 using native directives* Utilize Angular 2 built-in classes to apply animation in your app In Detail Are you a JavaScript developer with some experience of Angular JS under your belt? Are you wondering how the experts create more organized, readable, and testable code? Then your wait ends with this book. We'll teach you to build faster, more efficient, and more flexible applications. On this journey, you'll adopt the best practices and

see an easier approach to migrating your existing Angular 1 app to Angular 2. You'll work with components, implement routing and navigation, and use asynchronous programming effectively using Observables. You will learn about template syntax and beautify Angular 2 applications with Material Design, then you'll progressively enhance your applications by managing services and animations. Next you'll integrate Bootstrap with Angular 2 using native directives and test your application using Jasmine and Protractor. At the end of the book, we'll dive deep into design patterns and you'll see how to implement them in your very own application.

Kali Linux CTF Blueprints Jun 08 2020 Taking a highly practical approach and a playful tone, Kali Linux CTF Blueprints provides step-by-step guides to setting up vulnerabilities, in-depth guidance to exploiting them, and a variety of advice and ideas to build and customising your own challenges. If you are a penetration testing team leader or individual who wishes to challenge yourself or your friends in the creation of penetration testing assault courses, this is the book for you. The book assumes a basic level of penetration skills and familiarity with the Kali Linux operating system.

Proceedings of the 5th International Conference on Big Data and Internet of Things Jun 20 2021 This book is a collection of papers in the research area of big data, cloud computing, cybersecurity, machine learning, deep learning, e-learning, Internet of Things, reinforcement learning, information system, social media and natural language processing. This book includes papers presented at the 5th International Conference on Big Data Cloud and Internet of Things, BDIoT 2021 during March 17-18, 2021, at ENSIAS, Mohammed V University in Rabat, Morocco.

Essential Angular Aug 23 2021 Essential Angular is a concise, complete overview of the key aspects of Angular, written by two Angular core contributors. The book covers the framework's mental model, its API, and the design principles behind it. It is fully up to date with the latest release of Angular. About This Book Written by two Angular core contributors A complete overview of the key aspects of Angular Up to

date with the latest Angular release Who This Book Is For To get the most from this book, you should already have a good understanding of Angular and general web development. The book dives quickly into the core Angular systems without stepping through the basics. What You Will Learn Understand why and how to use JIT and AOT compilation in Angular Bootstrap and inject NgModules Learn about the component lifecycle Understand the two phases of Change Detection Visualize and parse the Injector tree Understand advanced Lazy Loading Integrate and run different testing strategies on your code In Detail Essential Angular is a concise, complete overview of the key aspects of Angular, written by two Angular core contributors. The book covers the framework's mental model, its API, and the design principles behind it. This book is fully up to date with the latest release of Angular. Essential Angular gives you a strong foundation in the core Angular technology. It will help you put all the concepts into the right places so you will have a good understanding of why the framework is the way it is. Read this book after you have toyed around with the framework, but before you embark on writing your first serious Angular application. This book covers concepts such as the differences between Just-In-Time (JIT) and Ahead-Of-Time (AOT) compilation in Angular, alongside NgModules, components and directives. It also goes into detail on Dependency Injection and Change Detection: essential skills for Angular developers to master. The book finishes with a look at testing, and how to integrate different testing methodologies in your Angular code. Style and approach Essential Angular is a complete overview of the key aspects of the latest release of Angular, written by two core Angular contributors. It goes far beyond a how-to-get-started guide and dives into the most important topics in modern Angular development at depth.

Learning Magento 2 Administration Nov 25 2021 Maximize the power of Magento 2 to improve your e-commerce business About This Book Strategic planning for maximizing your Magento 2 store's operations and sales. Important guidelines and advice for optimizing your Magento 2 store. Packed with screenshots and step-by-step instructions to leverage the hundreds of Magento 2 features. Who This Book Is For This guide is

for store owners who use Magento 2 on a daily basis to operate their online stores. Proprietors will use this guide as a reference for ensuring that they are utilizing the full power of Magento 2. Developers and solution providers will find this guide a helpful tool in identifying opportunities to help their clients navigate the complexity of Magento 2. What You Will Learn Strategies for creating multiple stores within a single Magento installation. Use of complex product types such as bundles, downloadables and virtual products. Configuring payments, shipping and taxes. Accommodating multiple languages and currencies. Installing and configuring themes. Managing content and search engine optimization. Creating promotions, up-sells and cross-sells. Leveraging the customer relationship features of Magento 2. Securing and optimizing your installation. In Detail Magento 2 has been completely re-written and re-designed to take the world's most popular open source e-commerce platform to new heights of productivity and usability. With this overhaul comes improved opportunities to leverage the world's most successful open source e-commerce platform for your online retail and wholesale business. The focus of this book is on operational aspects: those actions you, as a proprietor, can take to give your customers a more delightful shopping experience. In this guide, we delve into all aspects of managing a Magento 2 store, from product creation to marketing, customer management to search engine optimization. This book is not only a step-by-step course in setting up your Magento 2 website, it will be a handy reference as continue to improve and refine your online presence. Style and approach A step-by-step guide where it takes the reader from the planning step all the way through launching a new Magento-powered store by building on the initial sample data included in a default Magento 2 installation. Along the way, we explore using discrete action steps how to leverage the full power of Magento 2 for both simple and advanced uses. Screenshots and step-by-step instructions not only teach the new Magento store administrator, but also serve as a handy reference for the more experienced operators.

Rhythm Dec 03 2019

Archives of Mechanics Oct 13 2020

The Antiquarians of the Nation Dec 15 2020 In *The Antiquarians of the Nation*, Francesca Zantedeschi explores how the works of Roussillon's nineteenth-century archaeologists and philologists, who retrieved and enhanced the Catalan specificities of the region, contributed to the early stages of a 'national' (Catalan) cultural revival.

Instant Magento Performance Optimization How-To Dec 07 2022 Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Get the job done and learn as you go. A how-To book with practical recipes accompanied with rich screenshots for easy comprehension. This is a Packt Instant How-to, and provides a quick and easy way to improve your Magento performance with step-by-step instructions for important tasks. This book is written for Magento administrators who are familiar with the backend console but new to anything beyond this, and wish to optimize their store for increasing performance.

Design Patterns in C# Jul 10 2020 Get hands-on experience with each Gang of Four design pattern using C#. For each of the patterns, you'll see at least one real-world scenario, a coding example, and a complete implementation including output. In the first part of *Design Patterns in C#*, you will cover the 23 Gang of Four (GoF) design patterns, before moving onto some alternative design patterns, including the Simple Factory Pattern, the Null Object Pattern, and the MVC Pattern. The final part winds up with a conclusion and criticisms of design patterns with chapters on anti-patterns and memory leaks. By working through easy-to-follow examples, you will understand the concepts in depth and have a collection of programs to port over to your own projects. Along the way, the author discusses the different creational, structural, and behavioral patterns and why such classifications are useful. In each of these chapters, there is a Q&A session that clears up any doubts and covers the pros and cons of each of these patterns. He finishes the book with FAQs that will help you consolidate your knowledge. This book presents the topic of design patterns in C# in such a way that anyone can grasp the idea. What You Will Learn Work with each of the design patterns Implement the design patterns in real-world applications Select an

alternative to these patterns by comparing their pros and cons Use Visual Studio Community Edition 2017 to write code and generate output Who This Book Is For Software developers, software testers, and software architects.

Apache Solr Search Patterns Jan 04 2020 This book is for developers who already know how to use Solr and are looking at procuring advanced strategies for improving their search using Solr. This book is also for people who work with analytics to generate graphs and reports using Solr. Moreover, if you are a search architect who is looking forward to scale your search using Solr, this is a must have book for you. It would be helpful if you are familiar with the Java programming language.

Recent French Books Feb 03 2020

Pro Angular Feb 14 2021 Angular 5 updates for this book are now available. Follow the Download source code link for this book on the Apress website. Get the most from Angular 2, the leading framework for building dynamic JavaScript applications. Best-selling author Adam Freeman begins by describing the MVC pattern and the benefits it can offer and then shows you how to use Angular in your projects, starting from the nuts-and-bolts and building up to the most advanced and sophisticated features, going in-depth to give you the knowledge you need. Each topic is covered clearly and concisely and is packed with the details you need to learn to be truly effective. The most important features are given a no-nonsense in-depth treatment and chapters include common problems and details of how to avoid them. What you'll learn Gain a solid architectural understanding of the MVC Pattern Learn how to create rich and dynamic web app clients using Angular 2 Learn how to extend and customize Angular 2 Learn how to test your Angular 2 projects Who this book is for Web developers with a foundation knowledge of HTML and JavaScript who want to create rich client-side applications.

Applied Factor Analysis in the Natural Sciences Dec 27 2021 This graduate-level text aims to introduce students of the natural sciences to the powerful technique of factor analysis and to provide them with the background necessary to be able to undertake analyses on their own. A

thoroughly updated and expanded version of the authors' successful textbook on geological factor analysis, this book draws on examples from botany, zoology, ecology, and oceanography, as well as geology. Applied multivariate statistics has grown into a research area of almost unlimited potential in the natural sciences. The methods introduced in this book, such as classical principal components, principal component factor analysis, principal coordinate analysis, and correspondence analysis, can reduce masses of data to manageable and interpretable form. Q-mode and Q-R-mode methods are also presented. Special attention is given to methods of robust estimation and the identification of atypical and influential observations. Throughout the book, the emphasis is on application rather than theory.

Bishop Museum Occasional Papers Jan 16 2021

Xamarin Studio for Android Programming Mar 30 2022 Over 50 hands-on recipes to help you get grips with Xamarin Studio and C# programming to develop market-ready Android applications About This Book • Create Android applications with C# and Xamarin • Reuse your Android application to develop iOS and Windows Phone applications • Leverage the easy-to-succeed recipes to exploit the latest Android releases and develop new applications Who This Book Is For If you have already developed an Android applications with Java and you now intend to use C# and Xamarin Studio's capabilities, or if you have never taken the dive into mobiles, then this book is for you. It would be helpful to have some C# experience so you follow the recipes in this book, though knowledge of Android is not required. What You Will Learn • Build a GUI for your Android applications • Explore Android activities and understand configuration changes • Manage multiscreens, icons, and multimedia in your applications • Start and bind Android services and create notifications • Create beautiful applications using the camera and animations • Effectively couple your phone's hardware with applications • Integrate advertisements and select the right advertisement providers for your applications In Detail Multiplatform applications have taken the development world by storm. This has revolutionized the selection of the right tools for the efficient development and deployment of applications.

Xamarin studio is emerging as the preferred choice among .NET/C# developers. It enables them to design cross-platform applications using their favorite language and IDE. Xamarin studio is supported by the Mac OS and Windows platforms, and you can develop your own applications for iOS, Windows, or Android with its help. This book takes you through all the stages of application development, right from getting started with Xamarin and developing a GUI to putting up your application on the store. The recipes will help you in acquiring sufficient knowledge to go about creating applications. Starting with introducing Xamarin studio, its underlying technologies, and the Android ecosystem, the book goes on to cover the graphical aspects of creating Android applications. Moving on, you will learn more about data management with Android services. This is followed by techniques on how to interact with the Android OS and the phone's hardware, before finally concluding with mobile advertisements and Google Play. By the end of this book, you will have discovered all the specialties related to developing Android application with Xamarin Studio. Style and approach This book is organized around hands-on and practical recipes that focus on the development of Android applications using C# and Xamarin. Each recipe is easy to follow to help you progress efficiently through the book.

[Entangled Histories of the Balkans - Volume Four](#) May 20 2021 The essays in this volume address theoretical and methodological issues of Balkan or Southeast European regional studies—questions of scholarly concepts, definitions, and approaches but also the extra-scholarly, ideological, political, and geopolitical motivations that underpin them. *Expert Angular* Oct 05 2022 Learn everything you need to build highly scalable, robust web applications using Angular release 4 About This Book Apply best practices and design patterns to achieve higher scalability in your Angular applications Understand the latest features of Angular and create your own components Get acquainted with powerful, advanced techniques in Angular to build professional web applications Who This Book Is For This book is for JavaScript developers with some prior exposure to Angular, at least through basic examples. We assume that you've got working knowledge of HTML, CSS, and JavaScript. What

You Will Learn Implement asynchronous programming using Angular
Beautify your application with the UI components built to the material design specification
Secure your web application from unauthorized users
Create complex forms, taking full advantage of 2-way data binding
Test your Angular applications using the Jasmine and Protractor frameworks for better efficiency
Learn how to integrate Angular with Bootstrap to create compelling web applications
Use Angular built-in classes to apply animation in your app
In Detail Got some experience of Angular under your belt? Want to learn everything about using advanced features for developing websites? This book is everything you need for the deep understanding of Angular that will set you apart from the developer crowd. Angular has introduced a new way to build applications. Creating complex and rich web applications, with a lighter resource footprint, has never been easier or faster. Angular is now at release 4, with significant changes through previous versions. This book has been written and tested for Angular release 4. Angular is a mature technology, and you'll likely have applications built with earlier versions. This book starts by showing you best practices and approaches to migrating your existing Angular applications so that you can be immediately up-to-date. You will take an in-depth look at components and see how to control the user journey in your applications by implementing routing and navigation. You will learn how to work with asynchronous programming by using Observables. To easily build applications that look great, you will learn all about template syntax and how to beautify applications with Material Design. Mastering forms and data binding will further speed up your application development time. Learning about managing services and animations will help you to progressively enhance your applications. Next you'll use native directives to integrate Bootstrap with Angular. You will see the best ways to test your application with the leading options such as Jasmine and Protractor. At the end of the book, you'll learn how to apply design patterns in Angular, and see the benefits they will bring to your development. Style and approach This book provides comprehensive coverage of all aspects of development with Angular. You will learn about all the most powerful Angular concepts,

with examples and best practices. This book is everything you need for the deep understanding of Angular that will set you apart from the developer crowd.

Java Hibernate Cookbook Sep 23 2021 Over 50 recipes to help you build dynamic and powerful real-time Java Hibernate applications
About This Book Learn to associate JDBC and Hibernate with object persistence
Manage association mappings, implement basic annotations and learn caching
Get to grips with Hibernate fundamentals from installation to developing a business application with this step-by-step guide
Who This Book Is For This is book for Java developers who now want to learn Hibernate. Good knowledge and understanding of Java is preferred to allow efficient programming of the core elements and applications; it would be helpful if readers are familiar with the basics of SQL. What You Will Learn Set up and install Hibernate on your system and explore different ways in which Hibernate can be configured
Learn the basic concepts and fundamentals of Java Hibernate
Define mappings without a use of XML file using Annotations
Persist collection elements such as list, map, set and array
Explore the various mapping options and learn to work with Hibernate associations
Understand advanced Hibernate concepts such as caching and inheritance
Develop an engaging and robust real-world hibernate application based on a common business scenario
Integrate Hibernate with other frameworks to develop robust enterprise applications
In Detail Hibernate is a database independent technology, so the same code will work for all databases. It helps a Java developer write a query by mapping Java bean to database tables and help create tuned queries that boost performance. Even with limited SQL knowledge one can easily perform database operations. This makes the development faster and more accurate than JDBC. Hibernate supports useful features like connection pooling, caching, and inheritance etc. This book will provide a useful hands-on guide to Hibernate to accomplish the development of a real-time Hibernate application. We will start with the basics of Hibernate, which include setting up Hibernate - the pre-requisites and multiple ways of configuring Hibernate using Java. We will then dive deep into the fundamentals of Hibernate such as

SessionFactory, session, criteria, working with objects and criteria. This will help a developer have a better understanding of how Hibernate works and what needs to be done to run a Hibernate application. Moving on, we will learn how to work with annotations, associations and collections. In the final chapters, we will see explore querying, advanced Hibernate concepts and integration with other frameworks. Style and approach This book is a practical guide filled with carefully organized step-by-step instructions. All recipes are arranged in an easy-to-understand and clear manner allowing you to apply the solutions to other situations.

Architecting Angular Applications with Redux, RxJS, and NgRx

May 08 2020 Managing the state of large-scale web applications is a highly challenging task with the need to align different components, backends, and web workers harmoniously. When it comes to Angular, you can use NgRx, which combines the simplicity of Redux with the reactive programming power of RxJS to build your application architecture, making your ...

Mastering Apache Solr Sep 04 2022 Topic: In the open source, full-text search community, a leader emerges - Apache Solr. Apache Solr enables you to index and access documents orders of magnitude faster than classical databases and thereby provides a first-class search experience to your end users. Brief Description: Mastering Apache Solr is a practical, hands-on guide containing crisp, relevant, systematically arranged, and progressive chapters. These chapters contain a wealth of information presented in a direct and easy-to-understand manner. This book covers key technical concepts, highlighting Solr's supremacy over classical databases in full-text search, which will help you accelerate your progress in the Solr world. Detailed Description: Mastering Apache Solr starts with an introduction to Apache Solr, its underlying technologies, the main differences between the classical database engines, and gradually moves to more advanced topics like boosting performance. In this book, we will look under the hood of a large number of topics and discuss answers to pertinent questions like why denormalize data, how to import classical databases' data inside Apache

Solr, how to serve Solr through five different web servers, how to optimize them to serve Solr even faster. An important and major topic covered in this book is Solr's querying mechanism, which will prove to be a strong ally in our journey through this book. We then look at boosting performance and deploying Solr using several servlet servers. Finally, we cover how to communicate with Solr using different programming languages, before deploying it in a cloud-based environment. Who this book is for: Mastering Apache Solr has been written for developers, programmers, and data specialists who want to take a leap towards the future of full-text storage and search and offer a world-class experience to their users. The reader is expected to have a working knowledge of traditional databases, Linux-based operating systems, and XML configuration files. Style and Approach: Mastering Apache Solr is written lucidly and has a dynamically simple approach. From the first page to the last, the book remains practical and focuses on the most important topics used in the world of Apache Solr without neglecting important theoretical fundamentals that help you build a strong foundation. Conclusion: Mastering Apache Solr will empower you to provide a world-class search experience to your end users through the discovery of the powerful mechanisms presented in this book.

[Computational Science and Its Applications - ICCSA 2021](#) Mar 06 2020 The ten-volume set LNCS 12949 - 12958 constitutes the proceedings of the 21st International Conference on Computational Science and Its Applications, ICCSA 2021, which was held in Cagliari, Italy, during September 13 - 16, 2021. The event was organized in a hybrid mode due to the Covid-19 pandemic. The 466 full and 18 short papers presented in these books were carefully reviewed and selected from 1588 submissions. Part VII of the set includes the proceedings of the following workshops: International Workshop on Geomatics for Resource Monitoring and Management (GRMM 2021); International Workshop on Geomatics in Agriculture and Forestry: new advances and perspectives (Geo-for-Agr 2021); 12th International Symposium on Software Quality (SQ 2021); 10th International Workshop on Collective, Massive and Evolutionary Systems (IWCES 2021); International Workshop on Land

Use monitoring for Sustainability (LUMS 2021); International Workshop on Machine Learning for Space and Earth Observation Data (MALSEOD 2021); International Workshop on Building multi-dimensional models for assessing complex environmental systems (MES 2021); International Workshop on Ecosystem Services: nature's contribution to people in practice. Assessment frameworks, models, mapping, and implications (NC2P 2021).

Mastering Apache Solr (Colored Version) Jun 01 2022 Topic: In the open source, full-text search community, a leader emerges - Apache Solr. Apache Solr enables you to index and access documents orders of magnitude faster than classical databases and thereby provides a first-class search experience to your end users. Brief Description: Mastering Apache Solr is a practical, hands-on guide containing crisp, relevant, systematically arranged, and progressive chapters. These chapters contain a wealth of information presented in a direct and easy-to-understand manner. This book covers key technical concepts, highlighting Solr's supremacy over classical databases in full-text search, which will help you accelerate your progress in the Solr world. Detailed Description: Mastering Apache Solr starts with an introduction to Apache Solr, its underlying technologies, the main differences between the classical database engines, and gradually moves to more advanced topics like boosting performance. In this book, we will look under the hood of a large number of topics and discuss answers to pertinent questions like why denormalize data, how to import classical databases' data inside Apache Solr, how to serve Solr through five different web servers, how to optimize them to serve Solr even faster. An important and major topic covered in this book is Solr's querying mechanism, which will prove to be a strong ally in our journey through this book. We then look at boosting performance and deploying Solr using several servlet servers. Finally, we cover how to communicate with Solr using different programming languages, before deploying it in a cloud-based environment. Who this book is for: Mastering Apache Solr has been written for developers, programmers, and data specialists who want to take a leap towards the future of full-text storage and search and offer a world-class experience

to their users. The reader is expected to have a working knowledge of traditional databases, Linux-based operating systems, and XML configuration files. Style and Approach: Mastering Apache Solr is written lucidly and has a dynamically simple approach. From the first page to the last, the book remains practical and focuses on the most important topics used in the world of Apache Solr without neglecting important theoretical fundamentals that help you build a strong foundation.

Conclusion: Mastering Apache Solr will empower you to provide a world-class search experience to your end users through the discovery of the powerful mechanisms presented in this book.

Angular Router Mar 18 2021 From Angular core team member and creator of the router About This Book Written by the creator of the Angular router, giving you the best information straight from the source Get full coverage of the entire Angular Router library and understand exactly how every command works Essential for all serious users of Angular who need to manage states within their applications Who This Book Is For To get the most from this book, you should already have a good understanding of Angular and general web development. What You Will Learn Understand the role of the Angular router and how to make the most of it Build and parse complex URLs Learn about the componentless and empty-path routes Take control of states in your application Make use of imperative navigation Understand guards and how they can benefit your applications Optimize configuration and run tests on your routing In Detail Managing state transitions is one of the hardest parts of building applications. This is especially true on the web, where you also need to ensure that the state is reflected in the URL. In addition, you might want to split applications into multiple bundles and load them on demand. Doing this transparently isn't easy. The Angular router solves these problems. Using the router, you can declaratively specify application states, manage state transitions while taking care of the URL, and load bundles on demand. This book is a complete description of the Angular router written by its designer. It goes far beyond a how-to-get-started guide and talks about the library in depth. The mental model, design constraints, and the subtleties of the API-

everything is covered. You'll learn in detail how to use the router in your own applications. Predominantly, you'll understand the inner workings of the router and how you can configure it to work with any edge cases you come across in your sites. Throughout the book, you'll see examples from real-world use in the MailApp application. You can view the full source of this application and see how the router code works to manage the state of the application and define what is visible on screen. Reading this book will give you deep insights into why the router works the way it does and will make you an Angular router expert. Style and approach This is an extremely practical book full of code examples and descriptions to help you understand the inner workings of the Angular router.

Instant Magento Shipping How-To Jan 08 2023 Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Instant Magento Shipping How-To is a step-by-step guide to learn and understand the different shipping configurations and settings of Magento. This book is perfect for Magento store owners who wish to explore the possibilities of extending their shipping options for both themselves through order processing, and their customers through promotions and multiple shipping methods. It's also great for any store owner wishing to gain a bit more insight into the technical workings of Magento's administration panel.

References to Scientific Literature on Fire Apr 18 2021

Cave Ecology Aug 11 2020 Cave organisms are the 'monsters' of the underground world and studying them invariably raises interesting questions about the ways evolution has equipped them to survive in permanent darkness and low-energy environments. Undertaking ecological studies in caves and other subterranean habitats is not only challenging because they are difficult to access, but also because the domain is so different from what we know from the surface, with no plants at the base of food chains and with a nearly constant microclimate year-round. The research presented here answers key questions such as how a constant environment can produce the enormous biodiversity seen below ground, what adaptations and peculiarities allow subterranean organisms to thrive, and how they are affected by the constraints of their

environment. This book is divided into six main parts, which address: the habitats of cave animals; their complex diversity; the environmental factors that support that diversity; individual case studies of cave ecosystems; and of the conservation challenges they face; all of which culminate in proposals for future research directions. Given its breadth of coverage, it offers an essential reference guide for graduate students and established researchers alike.

Testing Angular Applications Jul 22 2021 Summary Testing Angular Applications is an example-rich, hands-on guide that gives you the real-world techniques you need to thoroughly test all parts of your Angular applications. By the end of this book, you'll be able to confidently write unit and end-to-end tests for Angular applications in TypeScript. Foreword by Brad Green, Google. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Don't leave the success of your mission-critical Angular apps to chance. Proper testing improves code quality, reduces maintenance costs, and rewards you with happy users. New tools and best practices can streamline and automate all aspects of testing web apps, both in development and in production. This book gets you started. About the Book Testing Angular Applications teaches you how to make testing an essential part of your development and production processes. You'll start by setting up a simple unit testing system as you learn the fundamental practices. Then, you'll fine-tune it as you discover the best tests for Angular components, directives, pipes, services, and routing. Finally, you'll explore end-to-end testing, mastering the Protractor framework, and inserting Angular apps into your continuous integration pipeline. What's inside Getting to know TypeScript Writing and debugging unit tests Writing and debugging end-to-end tests with Protractor Building continuous integration for your entire test suite About the Reader This book is for readers with intermediate JavaScript skills. About the Author Jesse Palmer is a senior engineering manager at Handshake. Corinna Cohn is a single-page web application specialist. Mike Giambalvo and Craig Nishina are engineers at Google. Table of Contents Introduction to testing Angular applicationsPART 1 - Unit

testing Creating your first tests Testing components Testing directives
Testing pipes Testing services Testing the router PART 2 - End-to-end
testing Getting started with Protractor Understanding timeouts
Advanced Protractor topics PART 3 - Continuous integration Continuous
integration Appendix A - Setting up the sample project Appendix B -
Additional resources

Country Inns and Back Roads Nov 01 2019

Intelligent Systems in Big Data, Semantic Web and Machine

Learning Oct 01 2019 This book describes important methodologies,
tools and techniques from the fields of artificial intelligence, basically
those which are based on relevant conceptual and formal development.

The coverage is wide, ranging from machine learning to the use of data
on the Semantic Web, with many new topics. The contributions are
concerned with machine learning, big data, data processing in medicine,
similarity processing in ontologies, semantic image analysis, as well as
many applications including the use of machine learning techniques for
cloud security, artificial intelligence techniques for detecting COVID-19,
the Internet of things, etc. The book is meant to be a very important and
useful source of information for researchers and doctoral students in
data analysis, Semantic Web, big data, machine learning, computer
engineering and related disciplines, as well as for postgraduate students
who want to integrate the doctoral cycle.