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Java
Web Services

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Web Services Business Strategies and Architectures Mike Clark,Peter Fletcher,Jeffrey J. Hanson,Romin Irani,Mark Waterhouse,Jorgen Thelin,2013-12-14 Adopting Web Services will affect many processes within any organization To throw light on the most important issues we have commissioned Experts in the Industry to share their insights The resultant papers cover a broad spectrum from architecture to business strategies without diverting into deep technological fashions Each study in the collection will answer specific business challenges thrown up by Web Service architectures Before changing commissioning or evaluating a Web Service initiative all IT Managers System Architects Lead Developers and Business Visionaries should study and reference this book *Collaborative Systems for Production Management* Harinder Singh Jagdev,Johan C. Wortmann,Henk Jan Pels,2013-11-11 The business environment throughout the world is currently going through rapid and far reaching change They are analysing their business processes and scrutinising ways to make their systems more streamlined and competitive in order to meet the challenges posed by the Global Economy Forming close alliances and integrating the operational processes with the key suppliers and customers is the mantra every one is embodying In parallel and to support this shift in strategic focus developers are putting forward new concepts in the emerging Information and Communications Technologies ICT to make the integration of processes among collaborating enterprises as seamless and secure as possible Together these developments have yielded a tremendous amount of new knowledge and will continue to offer us new challenges and opportunities well into the future This book brings together the opinions of a number of leading experts analysts academics researchers vendors and industrial practitioners from around the world who have worked extensively in the area of collaborative manufacturing Through individual chapters in this book authors put forward their views approaches and new tools Still other authors present a glimpse of the nature of solutions that may be developed in the near future This book is loosely structured to allow chapters which address common themes to be grouped together In these chapters the reader will learn aU the key issues currently being addressed in production management research and practice throughout the world **The Definitive Guide to JSF in Java EE 8** Bauke Scholtz,Arjan Tijms,2018-05-29 Learn and master the new features in the JSF 2 3 MVC web framework in this definitive guide written by two of the JavaServer Faces JSF specification leads The authors take you through real world examples that demonstrate how these new features are used with other APIs in Java EE 8 You ll see the new and exciting ways JSF applications can use to communicate between a client and a server such as using WebSockets invoking bean methods directly from Ajax executing client side JavaScript when Ajax calls complete and more Along the way you ll broaden your knowledge of JSF components and web APIs best practices and learn a great deal about the internals of JSF and the design decisions that have been made when building the JSF API For example you ll see what artefacts are now CDI injectable how CDI changed JSF internally and what some of the caveats are when working with the CDI versions of a JSF artefact

Furthermore you ll build an example application from scratch After reading The Definitive Guide to JSF in Java EE 8 you ll be ready to build your own efficient and secure web applications What You Will Learn Leverage the new features in JSF 2 3 in your existing applications Integrate JSF and CDI Use the brand new Component Search Expression framework which enables you to more easily locate components from your template Extend the Component Search Expression framework with your own search operators Work with the different ways of mapping requests to JSF make your application use extensionless URLs and programmatically inspect which resources are present in your application Master the best practices for web application development and see which are obsolete Who This Book Is For Existing JSF or Java developers who need to create a web UI No prior knowledge of JSF is required but the book does skew towards the more experienced developer Concepts such as dependency injection and MVC are assumed to be known as is a general knowledge about HTML HTTP and other web standards   Holonic and Multi-Agent Systems for Manufacturing Vladimir Marik,Duncan McFarlane,Paul Valckenaers,2004-01-24 The increasing complexity of manufacturing systems as well as the overall demands for flexible and fault tolerant control of production processes stimulates among many others two key emerging technologies that are already making an important breakthrough in the field of intelligent manufacturing control and diagnostics These two paradigms are the holonic approach based on the event driven control strategy usually aimed at modular control systems that are directly physically linked with the manufacturing hardware equipment and the multi agent approach developed in the area of distributed information processing The research communities working in both these fields are approaching the problem of intelligent manufacturing from different viewpoints and until recently to a certain extent in an independent way We can however observe quite a clear convergence of these fields in the last few years the communities have started to cooperate joining efforts to solve the painful problems involved in achieving effective industrial practice We can see convergence in the terminology standards and methods being applied   Peer-to-Peer Systems and Applications Ralf Steinmetz,Klaus Wehrle,2005-11-03 Starting with Napster and Gnutella peer to peer systems became an integrated part of the Internet fabric attracting millions of users According to recent evaluations peer to peer traffic now exceeds Web traffic once the dominant traffic on the Internet While the most popular peer to peer applications remain file sharing and content distribution new applications such as Internet telephony are emerging Within just a few years the huge popularity of peer to peer systems and the explosion of peer to peer research have created a large body of knowledge but this book is the first textbook like survey to provide an up to date and in depth introduction to the field This state of the art survey systematically draws together prerequisites from various fields presents techniques and methodologies in a principled and coherent way and gives a comprehensive overview on the manifold applications of the peer to peer paradigm Leading researchers contributed their expert knowledge to this book each in his her own specific area Lecturers can choose from the wide range of 32 tightly integrated chapters on all current aspects of P2P systems and applications and thus individually tailor their class syllabi R D

professionals active in P2P will appreciate this book as a valuable source of reference and inspiration **Java Programming** Yakov Fain,2015-06-04 Quick and painless Java programming with expert multimedia instruction Java Programming 24 Hour Trainer 2nd Edition is your complete beginner s guide to the Java programming language with easy to follow lessons and supplemental exercises that help you get up and running quickly Step by step instruction walks you through the basics of object oriented programming syntax interfaces and more before building upon your skills to develop games web apps networks and automations This second edition has been updated to align with Java SE 8 and Java EE 7 and includes new information on GUI basics lambda expressions streaming API WebSockets and Gradle Even if you have no programming experience at all the more than six hours of Java programming screencasts will demonstrate major concepts and procedures in a way that facilitates learning and promotes a better understanding of the development process This is your quick and painless guide to mastering Java whether you re starting from scratch or just looking to expand your skill set Master the building blocks that go into any Java project Make writing code easier with the Eclipse tools Learn to connect Java applications to databases Design and build graphical user interfaces and web applications Learn to develop GUIs with JavaFX If you want to start programming quickly Java Programming 24 Hour Trainer 2nd Edition is your ideal solution **Digital Audio Editing Fundamentals** Wallace Jackson,2015-12-16 This concise book builds upon the foundational concepts of MIDI synthesis and sampled waveforms It also covers key factors regarding the data footprint optimization work process streaming versus captive digital audio new media assets digital audio programming and publishing platforms and why data footprint optimization is important for modern day new media content development and distribution Digital Audio Editing Fundamentals is a new media mini book covering concepts central to digital audio editing using the Audacity open source software package which also apply to all of the professional audio editing packages The book gets more advanced as chapters progress and covers key concepts for new media producers such as how to maximize audio quality and which digital audio new media formats are best for use with Kindle Android Studio Java JavaFX iOS Blackberry Tizen Firefox OS Chrome OS Opera OS Ubuntu Touch and HTML5 You will learn Industry terminology involved in digital audio editing synthesis sampling analysis and processing The work process which comprises a fundamental digital audio editing analysis and effects pipeline The foundational audio waveform sampling concepts that are behind modern digital audio publishing How to install and utilize the professional open source Audacity digital audio editing software Concepts behind digital audio sample resolution and sampling frequency and how to select settings How to select the best digital audio data codec and format for your digital audio content application How to go about data footprint optimization to ascertain which audio formats give the best results Using digital audio assets in computer programming languages and content publishing platforms *Introducing Jakarta EE CDI* Luqman Saeed,2020-02-12 Discover the Jakarta EE Contexts and Dependency Injection CDI 2 0 framework which helps you write better code through the use of well defined enterprise Java based components and beans EJBs If you

have ever wanted to write clean Java EE code this short book is your best guide for doing so you will pick up valuable tips along the way from your author s years of experience teaching and coding Introducing Jakarta EE CDI covers CDI 2 0 in detail and equips you with the theoretical underpinnings of Java EE now Jakarta EE This book is packed with so much that by the end of it you will feel confident to use your new found knowledge to help you write better readable maintainable and long lived mission critical software What You Will Learn Write better code with the Jakarta EE Contexts and Dependency Injection CDI framework Work with the powerful extensible and well defined contextual life cycle for components Use CDI s mechanism for decoupling application components through a typesafe event API Build typesafe interceptors for altering the behaviour of components at runtime Harness the well defined qualifier system for easy isolation of beans Convert almost any valid Java type to a CDI managed bean with CDI s producer mechanism Who This Book Is For Experienced enterprise Java Java EE or J2EE developers who may be new to CDI or dependency injection **Application of Web Service Technologies on a B2B Communication Platform by Means of a Pattern and UML Based Software Development Process** Arnd Schnieders,2003-09-29 Inhaltsangabe Abstract There are about 230 000 establishments in the Spanish hotel restaurant and catering industry accounting for a turnover of about 15 6 thousand million euros All of them sell food to private consumers On the other hand suppliers and traders supply the catering trade with food and beverage products Usually the different players in this food distribution network trade products by means of orders which are placed manually This is a process which can be enhanced through the application of computer and Internet technology A project lately also supported by the Spanish government is supposed to fill this gap This project is called Catanet and has been established three years ago Actually the Catanet platform is used by more than 100 customers amongst them very important industry players like Lauren Films Pepsi Unilever and Nestle Some of them will carry out a significant part of their overall food orders by the Catanet platform which corresponds to a turnover volume of many million euros In the former version of the Catanet platform clients had to apply a web page based interface in order to use the Catanet services As this approach prohibited the full exploitation of the benefits the use of computer assistance provides e g human participation still constitutes an inevitable and crucial part of the transaction the interaction is completely asynchronous an additional level is being added to the Catanet platform eliminating these shortcomings During the time of this work the number of Catanet customers has grown explosively increasing also the diversity of the customer s computer systems Additionally new subprojects could be launched due to the acquisition of a government grant These encompassed among others new value added services demanded by the customers like an instant messaging module and a module for the automatic update of the local product catalogue The characteristics of the IT infrastructure of the new customers which will carry out transactions with a serious turnover via the Catanet platform and the necessity to integrate the new subprojects required an adaptation of the design of the platform prototype which had been developed by this time and which is described in this work Within this context the decision has

been done to use NET Framework based programs on the customer side instead of Java which had been used so far The reasons for this were besides the easier integration with the IT **PROFESSIONAL VB 6,** Jerry Ablan,2003-01-07 This book provides a rounded resource for Visual Basic 6 programmers drawing together and updating current practice and augmenting it with field tested knowledge *Pro JSF and HTML5* Wadia, Zubin,Saleh, Hazem,Christensen, Allan, Pro JSF and HTML5 shows you how to leverage the full potential of JavaServer Faces JSF and HTML5 This book is for Java developers who aspire to build sophisticated enterprise grade web experiences with HTML5 enabled JSF Written by JSF experts and verified by established community figures this book will serve as your primary resource helping you build or integrate well designed HTML5 enabled JSF components into your rich internet applications Pro JSF and HTML5 starts by giving you a firm grounding in the design principles of component based frameworks and the basics of JSF It then details recent advancements in JSF 2 2 that make it friendlier faster and more productive than ever before And it covers HTML5 enabled components integration with JEE7 standards 3rd party component libraries security and performance The book concludes with a real world application that puts everything you learned into practice In this book you ll learn Foundational JSF topics such as the component life cycle framework architecture managed beans and CDI expression language conversion and validation JSF events and view parameters Leveraging new features in JSF 2 2 such as Faces Flow Resource Library Contracts and Ajax file uploading Developing Advanced HTML5 enabled components in JSF 2 2 Creating JSF 2 2 applications that utilize Java EE 7 technologies CDI JPA 2 1 and EJB 3 2 for bean management transaction management and persistence Building advanced real world JSF applications with considerations for security performance and usability If you re a Java developer interested in the world of component based frameworks Pro JSF and HTML5 is for you *Digital Illustration Fundamentals* Wallace Jackson,2015-12-23 This fun concise full color book introduces the fundamentals of digital illustration and covers how to develop and optimize these types of scalable vector graphics SVG using Inkscape 0 91 or later It also covers concepts central to digital painting using the Corel Painter 2016 professional digital painting and illustration paid software package which also has a free trial version and a discount for purchasers of this book The book builds upon the foundational concepts of vector graphics and the SVG format and gets more advanced as chapters progress covering what vector new media formats and SVG commands and SVG filters are best for use with Android Studio Java 8 JavaFX iOS Kindle Fire and HTML5 The book covers key factors regarding the data footprint optimization work process and why data footprint optimization is important and covers programming languages used for digital illustration and publishing platforms which support digital illustration and how to assimilate these into your digital illustration and digital painting content production pipelines and workflow You will learn The terminology of vector imaging and digital illustration What comprises a digital illustration 2D modeling and rendering pipeline Concepts and principles behind digital illustration content production How to install and utilize 64 bit Inkscape 0 91 for Windows Mac OSX and Linux Concepts behind spline curves strokes fills patterns

and rendering Digital illustration data formats and data footprint optimization Audience Primary Artists Illustrators Website Developers Flash Developers User Interface Designers Digital Signage Content Developers e Learning Content Creators eBook Authors Secondary Android Developers iOS Developers Multimedia Producers Rich Internet Application RIA Programmers Game Designers Teachers Educators div **Pro JSF and HTML5** Zubin Wadia,Hazem Saleh,Allan Christensen,2014-01-20 Pro JSF and HTML5 shows you how to leverage the full potential of JavaServer Faces JSF and HTML5 This book is for Java developers who aspire to build sophisticated enterprise grade web experiences with HTML5 enabled JSF Written by JSF experts and verified by established community figures this book will serve as your primary resource helping you build or integrate well designed HTML5 enabled JSF components into your rich internet applications Pro JSF and HTML5 starts by giving you a firm grounding in the design principles of component based frameworks and the basics of JSF It then details recent advancements in JSF 2 2 that make it friendlier faster and more productive than ever before And it covers HTML5 enabled components integration with JEE7 standards 3rd party component libraries security and performance The book concludes with a real world application that puts everything you learned into practice In this book you ll learn Foundational JSF topics such as the component life cycle framework architecture managed beans and CDI expression language conversion and validation JSF events and view parameters Leveraging new features in JSF 2 2 such as Faces Flow Resource Library Contracts and Ajax file uploading Developing Advanced HTML5 enabled components in JSF 2 2 Creating JSF 2 2 applications that utilize Java EE 7 technologies CDI JPA 2 1 and EJB 3 2 for bean management transaction management and persistence Building advanced real world JSF applications with considerations for security performance and usability If you re a Java developer interested in the world of component based frameworks Pro JSF and HTML5 is for you <u>Digital Video Editing Fundamentals</u> Wallace Jackson,2016-04-13 Gain concepts central to digital video using the affordable Corel Video Studio Ultimate X9 software package as well as open source digital video editing package EditShare Lightworks 12 This compact visual guide builds on the essential concepts of digital imaging audio illustration and painting and gets more advanced as chapters progress covering what digital video new media formats are best for use with Android Studio Java and JavaFX iOS and HTML5 Furthermore Digital Video Editing Fundamentals covers the key factors of the data footprint optimization work process streaming versus captive assets and why these are important What You ll Learn Create a digital video editing and effects pipeline Gain knowledge of the concepts behind digital video editing Work with resolution aspect ratio bit rate and color depth Use pixel editing color correction layers and compression Optimize data footprints Who This Book Is For Website developers musicians digital signage e learning content creators Android developers and iOS developers *Android Studio New Media Fundamentals* Wallace Jackson,2015-11-27 This book is a brief primer covering concepts central to digital imagery digital audio and digital illustration using open source software packages such as GIMP Audacity and Inkscape These are used for this book because they are free for commercial use The book builds on the

foundational concepts of raster vector and waves audio and gets more advanced as chapters progress covering what new media assets are best for use with Android Studio as well as key factors regarding the data footprint optimization work process and why it is important What You Will Learn What are the primary genres of new media content production What new media assets Android Studio supports What are the concepts behind new media content production How to Install and use GIMP Inkscape and Audacity software How to integrate that software with Android Studio fast becoming the most popular IDE for Android apps design and development Audience Primary audience includes Android developers especially game designers developers and others who need access to multimedia elements Secondary multimedia producers RIA developers game designers UI designers and teachers **Java Web Services Unleashed** Robert J. Brunner,2002 This text provides Java developers with in depth coverage of Web Services technology It includes contributions from recognised Web Services experts and architects including the Web Services team at IBM *Digital Image Compositing Fundamentals* Wallace Jackson,2015-10-12 Digital Image Compositing Fundamentals is an introductory title covering concepts central to digital imagery and digital image compositing using software packages such as Adobe Photoshop or the open source GIMP software which is used for this book because it is free for commercial use This book builds on the fundamental concepts of pixels color depth and layers and gets more advanced as chapters progress covering pixel transparency using the alpha channel pixel blending using Porter Duff blending and transfer modes and digital image file formats and key factors regarding a data footprint optimization work process What You ll Learn What are the most common memes in digital imaging What comprises a digital image compositing pipeline What are the concepts behind digital imaging How to install and use GIMP 2 8 or 2 9 What are and how to use the concepts behind color depth and imageoptimization Audience This book is for those new to image compositing editing Ideal for web developers game developers who need to learn these kinds of fundamentals quickly and effectively **VFX Fundamentals** Wallace Jackson,2016-08-12 Learn concepts central to visual special effects using the free Black Magic Design Fusion 8 0 software package This book also provides foundational background information regarding concepts central to digital image compositing digital video editing digital illustration digital painting 3D and digital audio in the first six chapters on new media theory concepts and terminology This book builds on the foundational concepts of digital image compositing digital audio digital video digital illustration and digital painting VFX Fundamentals introduces more advanced VFX concepts and pipelines as the chapters progress covering topics such as flow node compositing timeline animation animated polyline masking bluescreen and greenscreen matte pulling generation using Primatte and Fusion 8 Ultra Keyer motion tracking 3D rendering and compositing auxiliary channels and particle systems and particle physics dynamics among other topics br What You ll Learn See the new media components raster vector audio video rendering needed for VFX Discover the concepts behind the VFX content production workflow Install and utilize Black Magic Design Fusion 8 and its Visual Programming Language Master the concepts behind resolution aspect ratio bit

rate color depth layers alpha and masking Work with 2D VFX concepts such as animated masking matte pulling Primatte V and motion tracking Harness 3D VFX concepts such as 3D geometry materials lighting animation and auxiliary channels Use advanced VFX concepts such as particle systems animation using real world physics forces Who This Book Is Fordiv SFX artists VFX artists video editors website developers filmmakers 2D and 3D animators digital signage producers e learning content creators game developers multimedia producers   *Pro Java 8 Programming* Terrill Brett Spell,2015-05-29 Pro Java 8 Programming covers the core Java development kit It takes advantage of the finer points of the core standard edition SE and development kit version 8 You ll discover the particulars of working with the Java language and APIs to develop applications in many different contexts You will also delve into more advanced topics like lambda expressions closures new i o NIO 2 enums generics XML metadata and the Swing APIs for GUI design and development By the end of the book you ll be fully prepared to take advantage of Java s ease of development and able to create powerful sophisticated Java applications

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