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Database Systems: The Complete Book
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 Database Systems: The Complete Book
 Advances in Database Technology - EDBT 2006
 Introduction to Information Retrieval
 Advanced Data Management
 Building Digital Libraries, Second Edition
 Definitive XML Schema
 Peer-to-Peer Systems and Applications
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AIDAN RODERICK

Database Systems: The Complete Book Pearson

Giving comprehensive, soup-to-nuts coverage of database administration, this guide is written from a platform-independent viewpoint, emphasizing best practices.

XQuery IBM Redbooks

No matter how flexible and convenient digital information has become, we haven't done away with the need to see information in print. Extensible Style Language-Formatting Objects, or XSL-FO, is a set of tools developers and web designers use to describe page printouts of their XML (including XHTML) documents. If you need to produce high quality printed material from your XML documents, then XSL-FO provides the bridge. XSL-FO is one of the few books to go beyond a basic introduction to the technology. While many books touch on XSL-FO in their treatment of XSLT, this book offers in-depth coverage of XSL-FO's features and strengths. Author Dave Pawson is well known in the XSLT and XSL-FO communities, and maintains the XSLT FAQ. An online version of this book has helped many developers master this technology. XSL-FO is the first time this reference is available in print. The first part of the book provides an overview of the technology and introduces the XSL-FO vocabulary. The author discusses how to choose among today's implementations, explains how to describe pages, and shows you what is going on in the processor in terms of layout. You'll learn about the

basics of formatting and layout as well as readability. The second part focuses on smaller pieces: blocks, inline structures, graphics, color and character level formatting, concluding by showing how to integrate these parts into a coherent whole. XSL-FO also explores organizational aspects you'll need to consider?how to design your stylesheets strategically rather than letting them evolve on their own. XSL-FO is more than just a guide to the technology; the book teaches you how to think about the formatting of your documents and guides you through the questions you'll need to ask to ensure that your printed documents meet the same high standards as your computer-generated content. Written for experienced XML developers and web designers, no other book contains as much useful information on this practical technology.

Manual of Digital Earth Apress

Starting with Napster and Gnutella, peer-to-peer systems became an integrated part of the Internet fabric attracting millions of users. This book provides an introduction to the field. It draws together prerequisites from various fields, presents techniques and methodologies, and gives an overview on the applications of the peer-to-peer paradigm.

DS8870 Data Migration Techniques Pearson Education India

An introduction to information retrieval, the foundation for modern search engines, that emphasizes implementation and experimentation.

Information retrieval is the foundation for modern search engines. This textbook offers an introduction to the core topics underlying modern search technologies, including algorithms, data structures, indexing, retrieval, and evaluation. The emphasis is on implementation and experimentation; each chapter includes exercises and suggestions for student projects. Wumpus—a multiuser open-source information retrieval system developed by

one of the authors and available online—provides model implementations and a basis for student work. The modular structure of the book allows instructors to use it in a variety of graduate-level courses, including courses taught from a database systems perspective, traditional information retrieval courses with a focus on IR theory, and courses covering the basics of Web retrieval. In addition to its classroom use, Information Retrieval will be a valuable reference for professionals in computer science, computer engineering, and software engineering.

Advances in Computer Science for Engineering and Education II John Wiley & Sons

Use this guide to master the XML metalanguage and JSON data format along with significant Java APIs for parsing and creating XML and JSON documents from the Java language. New in this edition is coverage of Jackson (a JSON processor for Java) and Oracle's own Java API for JSON processing (JSON-P), which is a JSON processing API for Java EE that also can be used with Java SE. This new edition of Java XML and JSON also expands coverage of DOM and XSLT to include additional API content and useful examples. All examples in this book have been tested under Java 11. In some cases, source code has been simplified to use Java 11's var language feature. The first six chapters focus on XML along with the SAX, DOM, StAX, XPath, and XSLT APIs. The remaining six chapters focus on JSON along with the mjson, GSON, JsonPath, Jackson, and JSON-P APIs. Each chapter ends with select exercises designed to challenge your grasp of the chapter's content. An appendix provides the answers to these exercises. What You'll Learn Master the XML language Create, validate, parse, and transform XML documents Apply Java's SAX, DOM, StAX, XPath, and XSLT APIs Master the JSON format for serializing and transmitting data Code against third-party APIs such as Jackson, mjson, Gson, JsonPath Master Oracle's JSON-P API in a Java SE context Who This Book Is For Intermediate and advanced Java programmers who are developing applications that must access data stored in XML or JSON documents. The book also targets developers wanting to understand the XML language and JSON data format.

Web Data Management Texas A&M University Press

The fifth edition of Modern Database Management has been updated to reflect the most current database content available. It provides sound, clear, and current coverage of the concepts, skills, and issues needed to cope with an expanding organizational resource. While sufficient technical detail is provided, the emphasis remains on management and implementation issues pertinent in a business information systems curriculum. Modern Database Management, 5e is the ideal book for your database management course. *Includes coverage of today's leading database technologies: Oracle and Microsoft Access replace dBase and paradox. *Now organized to create a modern framework for a range of databases and the database development of information systems. *Expanded coverage of object-oriented techniques in two full chapters. Covers conceptual object-oriented modelling using the new Unified Modelling Language and object-oriented database development and querying using the latest ODMG standards.

*Restructured to emphasize unique database issues that arise during the design of client/server applications. *Updated to reflect current developments in client/server issues including three-tiered architect

Understanding DB2 Pearson Education India

Whether you're embarking on the challenge of building a digital collection from scratch, or simply need to understand the conceptual and technical challenges of constructing a digital library, this top-to-bottom resource is the ideal guidebook to keep at your side, especially in this thoroughly updated and reworked edition. Demonstrating how resources are created, distributed, and accessed, and how librarians can keep up with the latest technologies for successfully completing these tasks, its chapters walk you step-by-step through every stage. Demystifying core technologies and workflows, this book comprehensively covers needs assessment and planning for a digital repository;choosing a platform;acquiring, processing, classifying, and describing digital content;storing and managing resources in a digital repository;digital preservation;technologies and standards useful to digital repositories, including XML, the Portland Common Data Model, metadata schema such as Dublin Core, scripting using JSON and REST, linked open data, and automated metadata assignment;sharing data and metadata;understanding information-access issues, including digital rights management; andanalyzing repository use, planning for the future, migrating to new platforms, and accommodating new types of data. This book will thoroughly orient LIS students and others new to the world of digital libraries, and also ensure that current professionals have the knowledge and guidance necessary to construct a digital repository from its inception.

XML Retrieval "O'Reilly Media, Inc."

The Ultimate Guide for Designing and Governing Web Service Contracts For Web services to succeed as part of SOA, they require balanced, effective technical contracts that enable services to be evolved and repeatedly reused for years to come. Now, a team of industry experts presents the first end-to-end guide to designing and governing Web service contracts. Writing for developers, architects, governance specialists, and other IT professionals, the authors cover the following areas: Understanding Web Service Contract Technologies Initial chapters and ongoing supplementary content help even the most inexperienced professional get up to speed on how all of the different technologies and design considerations relate to the creation of Web service contracts. For example, a visual anatomy of a Web service contract documented from logical and physical perspectives is provided, along with a chapter dedicated to describing namespaces in plain English. The book is further equipped with numerous case study examples and many illustrations. Fundamental and Advanced WSDL Tutorial coverage of WSDL 1.1 and 2.0 and detailed descriptions of their differences is followed by numerous advanced WSDL topics and design techniques, including extreme loose coupling, modularization options, use of extensibility elements, asynchrony, message dispatch, service instance identification, non-SOAP HTTP binding, and WS-BPEL extensions. Also explained is how WSDL definitions are shaped by key SOA design patterns. Fundamental and Advanced XML Schema XML Schema basics are covered within the context of Web services and SOA, after which advanced XML Schema chapters delve into a variety of specialized message design considerations and techniques, including the use of wildcards, reusability of schemas and schema fragments, type inheritance and composition, CRUD-style message design, and combining industry and custom schemas. Fundamental and Advanced WS-Policy Topics, such as Policy Expression Structure, Composite Policies, Operator Composition Rules, and Policy Attachment establish a foundation upon which more advanced topics, such as policy reusability and centralization, nested, parameterized, and ignorable assertions are covered, along with an exploration of creating concurrent policy-enabled contracts and designing custom policy assertions and vocabularies. Fundamental Message Design with SOAP A broad range of message design-related topics are covered, including SOAP message structures, SOAP nodes and roles, SOAP faults, designing custom SOAP headers and working with industry-standard SOAP headers. Advanced Message Design with WS-Addressing The art of message design is taken to a new level

with in-depth descriptions of WS-Addressing endpoint references (EPRs) and MAP headers and an exploration of how they are applied via SOA design patterns. Also covered are WSDL binding considerations, related MEP rules, WS-Addressing policy assertions, and detailed coverage of how WS-Addressing relates to SOAP Action values. Advanced Message Design with MTOM, and SwA Developing SOAP messages capable of transporting large documents or binary content is explored with a documentation of the MTOM packaging and serialization framework (including MTOM-related policy assertions), together with the SOAP with Attachments (SwA) standard and the related WS-I Attachments Profile. Versioning Techniques and Strategies Fundamental versioning theory starts off a series of chapters that dive into a variety of versioning techniques based on proven SOA design patterns including backward and forward compatibility, version identification strategies, service termination, policy versioning, validation by projection, concurrency control, partial understanding, and versioning with and without wildcards. Web Service Contracts and SOA The constant focus of this book is on the design and versioning of Web service contracts in support of SOA and service-orientation. Relevant SOA design principles and design patterns are periodically discussed to demonstrate how specific Web service technologies can be applied and further optimized. Furthermore, several of the advanced chapters provide expert techniques for designing Web service contracts while taking SOA governance considerations into account. About the Web Sites www.soabooks.com supplements this book with a variety of resources, including a diagram symbol legend, glossary, supplementary articles, and source code available for download. www.soaspecs.com provides further support by establishing a descriptive portal to XML and Web services specifications referenced in all of Erl's Service-Oriented Architecture books. Foreword Preface Chapter 1: Introduction Chapter 2: Case Study Background Part I: Fundamental Service Contract Design Chapter 3: SOA Fundamentals and Web Service Contracts Chapter 4: Anatomy of a Web Service Contract Chapter 5: A Plain English Guide to Namespaces Chapter 6: Fundamental XML Schema: Types and Message Structure Basics Chapter 7: Fundamental WSDL Part I: Abstract Description Design Chapter 8: Fundamental WSDL Part II: Concrete Description Design Chapter 9: Fundamental WSDL 2.0: New Features, and Design Options Chapter 10: Fundamental WS-Policy: Expression, Assertion, and Attachment Chapter 11: Fundamental Message Design: SOAP Envelope Structure, and Header Block Processing Part II: Advanced Service Contract Design Chapter 12: Advanced XML Schema Part I: Message Flexibility, and Type Inheritance and Composition Chapter 13: Advanced XML Schema Part II: Reusability, Derived Types, and Relational Design Chapter 14: Advanced WSDL Part I: Modularization, Extensibility, MEPs, and Asynchrony Chapter 15: Advanced WSDL Part II: Message Dispatch, Service Instance Identification, and Non-SOAP HTTP Binding Chapter 16: Advanced WS-Policy Part I: Policy Centralization and Nested, Parameterized, and Ignorable Assertions Chapter 17: Advanced WS-Policy Part II: Custom Policy Assertion Design, Runtime Representation, and Compatibility Chapter 18: Advanced Message Design Part I: WS-Addressing Vocabularies Chapter 19: Advanced Message Design Part II: WS-Addressing Rules and Design Techniques Part III: Service Contract Versioning Chapter 20: Versioning Fundamentals Chapter 21: Versioning WSDL Definitions Chapter 22: Versioning Message Schemas Chapter 23: Advanced Versioning Part IV: Appendices Appendix A: Case Study Conclusion Appendix B: A Comparison of Web Services and REST Services Appendix C: How Technology Standards are Developed Appendix D: Alphabetical Pseudo Schema Reference Appendix E: SOA Design Patterns Related to This Book Springer Nature

This book constitutes the refereed proceedings of the 11th International Conference on Database Systems for Advanced Applications, DASFAA 2006, held in Singapore in April 2006. 46 revised full papers and 16 revised short papers presented were carefully reviewed and selected from 188 submissions. Topics include sensor networks, subsequence matching and repeating patterns, spatial-temporal databases, data mining, XML compression and indexing, xpath query evaluation, uncertainty and streams, peer-to-peer and distributed networks and more.

Java Generics and Collections Cambridge University Press

Take the guesswork out of using regular expressions. With more than 140 practical recipes, this cookbook provides everything you need to solve a wide range of real-world problems. Novices will learn basic skills and tools, and programmers and experienced users will find a wealth of detail. Each recipe provides samples you can use right away. This revised edition covers the regular expression flavors used by C#, Java, JavaScript, Perl, PHP, Python, Ruby, and VB.NET. You'll learn powerful new tricks, avoid flavor-specific gotchas, and save valuable time with this huge library of practical solutions. Learn regular expressions basics through a detailed tutorial Use code listings to implement regular expressions with your language of choice Understand how regular expressions differ from language to language Handle common user input with recipes for validation and formatting Find and manipulate words, special characters, and lines of text Detect integers, floating-point numbers, and other numerical formats Parse source code and process log files Use regular expressions in URLs, paths, and IP addresses Manipulate HTML, XML, and data exchange formats Discover little-known regular expression tricks and techniques

Regular Expressions Cookbook Pearson Education

The Handbook of Natural Language Processing, Second Edition presents practical tools and techniques for implementing natural language processing in computer systems. Along with removing outdated material, this edition updates every chapter and expands the content to include emerging areas, such as sentiment analysis.New to the Second Edition Greater

Programming Windows Identity Foundation "O'Reilly Media, Inc."

XQuery"O'Reilly Media, Inc."

Java XML and JSON MIT Press

For Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimisation than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques. The full

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Ontology Matching Springer Science & Business Media

An accessible introduction to the phonetic analysis of speech corpora, this workbook-style text provides an extensive set of exercises to help readers develop the necessary skills to design and carry out experiments in speech research. Offers the first step-by-step treatment of advanced techniques in experimental phonetics using speech corpora and downloadable software, including the R programming language Introduces methods of analyzing phonetically-labelled speech corpora, with the goal of testing hypotheses that often arise in experimental phonetics and laboratory phonology Incorporates an extensive set of exercises and answers to reinforce the techniques introduced Accessibly written with easy-to-follow computer commands and spectrograms of speech Companion website at www.wiley.com/go/harrington, which includes illustrations, video tutorials, appendices, and downloadable speech corpora for testing purposes. Discusses techniques in digital speech processing and in structuring and querying annotations from speech corpora Includes substantial coverage of analysis, including measuring gestural synchronization using EMA, the acoustics of vowels, consonant overlap using EPG, spectral analysis of fricatives and obstruents, and the probabilistic classification of acoustic speech data

Phonetic Analysis of Speech Corpora Prentice Hall

This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the

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science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

A First Course in Database Systems Association for Computing Machinery (ACM)

This IBM® Redbooks® publication describes data migrations between IBM DS8000® storage systems, where in most cases one or more older DS8000 models are being replaced by the newer DS8870 model. Most of the migration methods are based on the DS8000 Copy Services. The book includes considerations for solutions such as IBM Tivoli® Productivity Center for Replication and the IBM Geographically Dispersed Parallel Sysplex™ (GDPS®) used in IBM z/OS® environments. Both offerings are primarily designed to enable a disaster recovery using DS8000 Copy Services. In most data migration cases, Tivoli Productivity Center for Replication or GDPS will not directly provide functions for the data migration itself. However, this book explains how to bring the new migrated environment back into the control of GDPS or Tivoli Productivity Center for Replication. In addition to the Copy Services based migrations, the book also covers host-based mirroring techniques, using IBM Transparent Data Migration Facility (TDMF®) for z/OS and the z/OS Dataset Mobility Facility (zDMF).

Xml: Visual Quickstart Guide, 2/E "O'Reilly Media, Inc."

Interesting, timely, and above all, useful, Savvy Guides give IT managers the information they need to effectively manage their technologists, as well as conscientiously inform business decision makers, in the midst of technological revolution.

Handbook of Natural Language Processing Apress

Get hands-on guidance designed to help you put the newest .NET Framework component- Windows Identity Foundation, the identity and access logic for all on-premises and cloud development- to work.

Information Retrieval Springer

This book, written by one of the designers of generics, is a thorough explanation of how to use generics, and particularly, the effect this facility has on the way developers use collections.

WIDM 2003 Springer Science & Business Media

This textbook explains the conceptual and engineering principles of database design. Rather than focusing on how to implement a database management system, it focuses on building applications, and the theory underlying relational databases and relational query languages. An ongoing case study illustrates both database and software engineering concepts. Originally published as *Databases and transaction processing* by Pearson Education in 2002; the second edition adds a chapter on database tuning and a section on UML. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com).