

Structuring Xml Documents

Charles F Goldfarb Series On

Open Information Management

This volume is comprised of the proceedings of the 13th International Conference on Information Systems Development held August 26th-28th, 2004, at Vilnius Gediminas Technical University, Vilnius, Lithuania. The aim of this volume is to provide a forum for the research and practices addressing current issues associated with Information Systems Development (ISD). Every day, new technologies, applications, and methods raise the standards for the quality of systems expected by organizations as well as end users. All are becoming dependent on systems reliability, scalability, and performance. Thus, it is crucial to exchange ideas and experiences, and to stimulate exploration of new solutions. This proceedings provides a forum for both technical and organizational issues.

If you're a developer working with XML, you know there's a lot to know about XML, and the XML space is evolving almost moment by moment. But you don't need to commit every XML syntax, API, or XSLT transformation to memory; you only need to know where to find it. And if it's a detail that has to do with XML or its companion standards, you'll find it--clear, concise, useful, and well-organized--in the updated third edition of XML in a Nutshell. With XML in a Nutshell beside your keyboard, you'll be able to: Quick-reference syntax rules and usage examples for the core XML technologies, including XML,

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DTDs, Xpath, XSLT, SAX, and DOM Develop an understanding of well-formed XML, DTDs, namespaces, Unicode, and W3C XML Schema Gain a working knowledge of key technologies used for narrative XML documents such as web pages, books, and articles technologies like XSLT, Xpath, Xlink, Xpointer, CSS, and XSL-FO Build data-intensive XML applications Understand the tools and APIs necessary to build data-intensive XML applications and process XML documents, including the event-based Simple API for XML (SAX2) and the tree-oriented Document Object Model (DOM) This powerful new edition is the comprehensive XML reference. Serious users of XML will find coverage on just about everything they need, from fundamental syntax rules, to details of DTD and XML Schema creation, to XSLT transformations, to APIs used for processing XML documents. XML in a Nutshell also covers XML 1.1, as well as updates to SAX2 and DOM Level 3 coverage. If you need explanation of how a technology works, or just need to quickly find the precise syntax for a particular piece, XML in a Nutshell puts the information at your fingertips. Simply put, XML in a Nutshell is the critical, must-have reference for any XML developer.

The authoritative XML Schema reference and tutorial!
Leverage the full power of XML Schema! In-depth coverage of the approved W3C Recommendation Schema design-practical and thorough Transition help for experienced DTD developers Authoritative! By Priscilla Walmsley-a member of the W3C XML Schema Working Group To leverage the full power of XML,

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companies need shared vocabularies to base their documents and scripts upon. XML Schema makes it possible to create those shared vocabularies-and Definitive XML Schema is the authoritative guide to the standard! Written by Priscilla Walmsley, a member of the W3C working group that created XML Schema, this book explains the W3C Recommendation with unprecedented insight and clarity-and introduces practical techniques for writing schemas to support any B2B, Web service, or content processing application. Coverage includes: How XML Schema provides a rigorous, complete standard for modeling XML document structure, content, and datatypes Working with schemas: Schema composition, instance validation, documentation, namespaces, and more XML Schema building blocks: elements, attributes, and types Advanced techniques: type derivation, model groups, substitution groups, identity constraints, redefinition, and much more An in-depth primer on effective schema design, including naming, document structure, and extensibility considerations Transition guidance for experienced DTD developers Definitive XML Schema brings together expert guidance for schema design, superior approaches to schema development, and the most systematic XML Schema reference on the market. Whether you're a developer, architect, or content specialist, it's the only XML Schema resource you need! "XML Schema is an incredibly powerful-and complex-document schema language, with such new capabilities as strong typing, modularity, inheritance, and identity constraints. This book guides you through the complexity so you can confidently use

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that power for your own projects." -Charles F. Goldfarb

The promise and the power of XML is its ability to structure information on a web site. To do this, web developers needs to create DTDs (document type definitions), and this book offers a guide to designing DTDs. It illustrates general issues and principles of DTD design, drawing examples from detailed coverage of five emerging XML DTDs. Megginson covers both a methodology for the analysis phase of document structure and the DTD syntax for the implementation phase.

This book shows XML programmers how to use XSLT to transform XML documents.

The Internet Encyclopedia in a 3-volume reference work on the internet as a business tool, IT platform, and communications and commerce medium.

The definitive guide to XSLT and XPath written by one of the world's leading authorities. Complete coverage of every facet of the XSLT/XPath W3C specifications, including brand-new standards such as XSL, XML Query, and XPointer.

Definitive XML Schema

Pearson Education

Written to address technical concerns that mobile developers face regardless of the platform (J2ME, WAP, Windows CE, etc.), this 2005 book explores the differences between mobile and stationary applications and the architectural and software development concepts needed to build a mobile application. Using UML as a tool, Reza B'far guides the developer through the development process,

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showing how to document the design and implementation of the application. He focuses on general concepts, while using platforms as examples or as possible tools. After introducing UML, XML and derivative tools necessary for developing mobile software applications, B'far shows how to build user interfaces for mobile applications. He covers location sensitivity, wireless connectivity, mobile agents, data synchronization, security, and push-based technologies, and finally homes in on the practical issues of mobile application development including the development cycle for mobile applications, testing mobile applications, architectural concerns, and a case study.

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior libraries, 1954-May 1961). Also issued separately.

This book is a result of the ISD'99, Eight International Conference on Information Systems Development-Methods and Tools, Theory, and Practice held August 11-13, 1999 in Boise, Idaho, USA. The purpose of this conference was to address the issues facing academia and industry when specifying, developing, managing, and improving information systems. ISD'99 consisted not only of the technical program represented in these Proceedings, but also of plenary sessions on product support and content management systems for the Internet

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environment, workshop on a new paradigm for successful acquisition of information systems, and a panel discussion on current pedagogical issues in systems analysis and design. The selection of papers for ISD'99 was carried out by the International Program Committee. Papers presented during the conference and printed in this volume have been selected from submissions after formal double-blind reviewing process and have been revised by their authors based on the recommendations of reviewers. Papers were judged according to their originality, relevance, and presentation quality. All papers were judged purely on their own merits, independently of other submissions. We would like to thank the authors of papers accepted for ISD'99 who all made gallant efforts to provide us with electronic copies of their manuscripts conforming to common guidelines. We thank them for thoughtfully responding to reviewers comments and carefully preparing their final contributions. We thank Daryl Jones, provost of Boise State University and William Lathen, dean, College of Business and Economics, for their support and encouragement.

The step-by-step guide to creating program generators with Java and XML. Breakthrough Java/XML techniques for creating program generators, including detailed examples and real-world guidelines Domain engineering techniques for

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improving software development productivity CD-ROM with examples, working code, and relevant XML specifications "XML isn't just for data any more. Now you can use XML to describe the programs you need, then write a Java program template to generate them automatically. This book shows you how." --Charles F. Goldfarb Using Java and XML, you can now easily create "wizard-like" program generators that automate much of the work of software development (and deliver significant productivity improvements. In this book, former Bell Laboratories Distinguished Staff Member J. Craig Cleaveland shows you how to do it. Using extensive practical examples, "Program Generators with XML and Java" walks you through every step: Identifying off-the-shelf tools for quickly building program generators Domain Analysis: determining the terminology, boundaries, commonalities, and variabilities of software families Domain Implementation: processes and tools for efficiently generating customized software Accounting for run-time and compile-time variabilities Using XML documents as program specifications, and using the DOM and SAX APIs to read and analyze them Using JavaServer Pages and XPath/XSLT to generate customized software The role of reusable architectures and components, including JavaBeans Chances are, you're already using automated GUI builders, database application generators, and other

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code generation "wizards." Now, with "Program Generators with XML and Java," you can extend the advantages of code generation throughout your own custom applications and get to market faster, with greater reliability and lower costs.

The book covers XSLT and Xpath (as a part of XSLT), as these topics have everything to do with processing XML. It will also cover XML from an XSLT processing and design point of view. Other XML technologies will not be discussed as superset of XSLT, most notably XSL. XSL Formatting Objects alone is enough material for an entire book. Apart from that, XSLT and Xpath form the processing/programming section of the entire XSL specification. This book presents an overview of XSLT and guides readers through transforming their first XML data. In this book you will also learn: Selecting Data-Stylesheets and Xpath Basics; Inserting text and elements in output; Copying elements from the source and inserting text; Conditional processing basics and expressions; Modularizing stylesheets; Understanding, creating, and using templates; Controlling output, as well as creating more advanced output; Using multi-file stylesheets, variables, and parameters; Working with numbers, strings, multiple XML sources, and namespaces; Selecting data based upon keys; Recursion; Creating computational stylesheets; Working with parses; Designing XML and XSLT

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applications; Extending XSLT.

This book is the one-and-only guide to begin envisioning and developing true peer-to-peer applications using the Groove framework.

This module explains the growing number of Application Servers and their variants (Mobile Application Servers, Commerce Servers, B2B Servers, Multimedia and Collaboration Servers). This is one module of an extensive handbook that systematically discusses how to translate e-business strategies to working solutions by using the latest distributed computing technologies. The focus of this module of the handbook is on application servers that package several middleware and infrastructure services into a platform for development, deployment, and management of modern applications. Chapters of this module explain the principles of application servers and systematically discuss a) Mobile Application Servers based on WAP, I-Mode, J2ME, and others; b) Commerce Servers based on e-payment systems, electronic catalogs, XML, secure C2B trade; c) B2B Servers based on ebXML, Web Services, workflows, EDI, EAI; d) Multimedia and Collaboration Servers based on groupware, SMIL and RTP; and e) "Super Application Servers" that combine numerous services needed for Web, mobile applications, and EC/EB applications on a single platform (IBM's WebSphere is an example). Chapters of the module also include several real life examples and case studies to highlight practical applications. Additional information and instructor material available from author website (www.amjadumar.com).

Exploring XML, XLL, and XSL, this title contains the complete final standards, annotated by one of the world's leading XML experts. Extensive figures and diagrams help clarify complex relationships among XML data structures. The book also

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includes a complete glossary of SML and SGML terminology. The authoritative XML Schema reference and tutorial! Leverage the full power of XML Schema! In-depth coverage of the approved W3C Recommendation Schema design—practical and thorough Transition help for experienced DTD developers Authoritative! By Priscilla Walmsley—a member of the W3C XML Schema Working Group To leverage the full power of XML, companies need shared vocabularies to base their documents and scripts upon. XML Schema makes it possible to create those shared vocabularies-and Definitive XML Schema is the authoritative guide to the standard! Written by Priscilla Walmsley, a member of the W3C working group that created XML Schema, this book explains the W3C Recommendation with unprecedented insight and clarity—and introduces practical techniques for writing schemas to support any B2B, Web service, or content processing application. Coverage includes: How XML Schema provides a rigorous, complete standard for modeling XML document structure, content, and datatypes Working with schemas: Schema composition, instance validation, documentation, namespaces, and more XML Schema building blocks: elements, attributes, and types Advanced techniques: type derivation, model groups, substitution groups, identity constraints, redefinition, and much more An in-depth primer on effective schema design, including naming, document structure, and extensibility considerations Transition guidance for experienced DTD developers Definitive XML Schema brings together expert guidance for schema design, superior approaches to schema development, and the most systematic XML Schema reference on the market. Whether you're a developer, architect, or content specialist, it's the only XML Schema resource you need! "XML Schema is an incredibly powerful-and complex-document schema language, with such new

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capabilities as strong typing, modularity, inheritance, and identity constraints. This book guides you through the complexity so you can confidently use that power for your own projects." –Charles F. Goldfarb

TOP SECRET INTRANET How U.S. Intelligence Built INTELINK - The World's Largest, Most Secure Network The never-before-published story of Intelink An inside look at the U.S. Intelligence Community's worldwide, super-secure intranet The U.S. Intelligence Community has built one awesome intranet. "Intelink" integrates and disseminates virtually every piece of information that goes into intelligence gathering, reporting, and analysis at the CIA, NSA, Defense Intelligence Agency, National Reconnaissance Office, FBI, and eight other top secret agencies to their "customers" - from the White House to the Warfighter. It's just about as secure as intranets can be. Now, for the first time, here's the inside story of how they did all that. Sure, there are a few things they can't tell you, but what they can tell you is utterly fascinating - especially if you've got your own intranet to build or manage. Building a maximum-security extranet to connect multiple independent organizations Implementation: what went smoothly - and what didn't Case studies: extending Intelink to new intelligence agencies and customers Security: encryption and access control issues U.S. Government network security efforts Cooperation with foreign governments Relevance to business covered in every chapter Future intranet tools Someday your intranet will handle terabytes of data; Intelink is doing it right now. Discover how they've made their intranet secure, integrating HTML, SGML, XML, metadata, pull and push technologies, and collaboration tools to get exactly the right data to the right people at the right time. Then preview the U.S. Intelligence Community's revolutionary strategic plans for managing this information - and discover how you can use the same ideas to achieve

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competitive advantage. There's even a CD-ROM containing a demo of the actual Intelink interface, plus demo software, tools, metadata standards, training, and other information straight from Intelink. So put on your trenchcoat and dark glasses: you're going inside!

Introduces XML fundamentals and examines the XML strategies of over two dozen companies, documenting real-world application designs with diagrams and sample code. bull; Written by Goldfarb, the creator of markup language technology. bull; New coverage includes Microsoft's Desktop XML initiative, server-based publishing, Topic Maps, 'rich-client' Web services, SOAP 1.2, XPath 2.0 and more. bull; Includes two CD-ROMs with a remarkable library of no-time-limit XML freeware programs & -- over 200 of them, indexed and linked by Topic Maps!

Information is a key factor in business today, and data warehousing has become a major activity in the development and management of information systems to support the proper flow of information. Unfortunately, the majority of information systems are based on structured information stored in organizational databases, which means that the company is isolated from the business environment by concentrating on their internal data sources only. It is therefore vital that organizations take advantage of external business information, which can be retrieved from Internet services and mechanically organized within the existing information structures. Such a continuously extending integrated collection of documents and data could facilitate decision-making processes in the organization. Filtering the Web to Feed Data Warehouses discusses areas such as: - how to use data warehouse for filtering Web content - how to retrieve relevant information from diverse sources on the Web - how to handle the time aspect - how to mechanically establish links among data warehouse structures and

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documents filtered from external sources - how to use collected information to increase corporate knowledge and gives a comprehensive example, illustrating the idea of supplying data warehouses with relevant information filtered from the Web.

Three super-hot topics come together in this first complete guide to Enterprise Application Integration with XML and Java. The book teaches readers to identify data exchange requirements and meet them with Java and XML. It contains easy-to-read, well-documented code throughout. The CD-ROM contains extensive source code from the book, plus a library of leading-edge software and trialware.

This title analyzes contemporary trends and tools that affect how information is created, stored, discovered and used in a progressive technological environment. It presents a framework for librarians to tailor their services and resources, in-house expertise and organizational identities to provide an efficient and effective community of learning for their evolving clientele.

PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE

Índice abreviado: 1. The Web, its documents, and LaTeX 2. Portable document format 3. The LaTeX2HTML translator 4. Translating LaTeX to HTML using TEXT4ht 5. Direct display of LaTeX on the Web 6. HTML, SGML, and XML: three markup languages 7. CSS, DSSSL, and XSL: doing it with style 8. MathML, intelligent math markup A. Example files B. Technical appendixes C. Internalization issues.

This is a hands-on guide to learning XML through building an XML-based commerce web server.

Extensible Markup Language (XML) allows Web page developers to combine text, images, and design techniques using a method more sophisticated than HTML. This sophistication comes at a price -- a more difficult learning

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curve. Teach Yourself XML provides a visual workbook of exercises, tools, and practice sessions to give you the building blocks to XML, from understanding markup and character data to using extended links and building styling tables. Combine this with no-nonsense writing and expert insight, and you've got a winning solution for mastering XML at your own pace.

A reference to the fundamental rules of XML details tags, grammar, placement, element names, attributes, and syntax. Written by Goldfarb, the inventor of markup language technology, and Walmsley, a leading expert on XML Schema, on which Office 2003's XML features are based. Ideal for both Office power users and IT developers. Foreword and cover endorsement by Jean Paoli, Microsoft's Chief XML Architect.

The concept of CAST as Computer Aided Systems Theory, was introduced by F. Pichler of Linz in the late 80's to include those computer theoretical and practical developments as tools to solve problems in System Science. It was considered as the third component (the other two being CAD and CAM) that will provide for a complete picture of the path from Computer and Systems Sciences to practical developments in Science and Engineering. The University of Linz organized the first CAST workshop in April 1988, which demonstrated the acceptance of the concepts by the scientific and technical community. Next, the University of Las Palmas de Gran Canaria joined the University of Linz to organize the first international meeting on CAST, (Las Palmas February 1989), under the name EUROCAST'89, that was a very successful gathering of systems theorists, computer scientists and engineers from most of European countries, North America and Japan. It was agreed that EUROCAST international conferences would be organized every two years. Thus, the following EUROCAST meetings took place in Krems (1991), Las

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Palmas (1993), Innsbruck (1995), Las Palmas (1997), Vienna (1999) and Las Palmas(2001), in addition to an extra-European CAST Conference in Ottawain1994. Selected paper sfromthosemeetingswewerepublishedbySpringer- Verlag Lecture Notes in Computer Science nos. 410, 585, 763, 1030, 1333, 1728 and 2178 and in several special issues of Cybernetics and Systems: an Internat- nal Journal. EUROCAST and CAST meetings are de?nitely consolidated, as it is demonstrated by the number and quality of the contributions over the years.

Web Mining is moving the World Wide Web toward a more useful environment in which users can quickly and easily find the information they need. Web Mining uses document content, hyperlink structure, and usage statistics to assist users in meeting their needed information. This book provides a record of current research and practical applications in Web searching. It includes techniques that will improve the utilization of the Web by the design of Web sites, as well as the design and application of search agents. This book presents research and related applications in a manner that encourages additional work toward improving the reduction of information overflow, which is so common today in Web search results.

XML in Data Management is for IT managers and technical staff involved in the creation, administration, or maintenance of a data management infrastructure that includes XML. For most IT staff, XML is either just a buzzword that is ignored or a silver bullet to be used in every nook and cranny of their organization. The truth is in between the two. This book provides the guidance necessary for data managers to make measured decisions about XML within their organizations. Readers will understand the uses of XML, its component architecture, its strategic implications, and how these apply to data management. Takes a data-centric view of XML

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Explains how, when, and why to apply XML to data management systems Covers XML component architecture, data engineering, frameworks, metadata, legacy systems, and more Discusses the various strengths and weaknesses of XML technologies in the context of organizational data management and integration

In this book, leading XML developer Lars Marius Garshol covers every essential aspect of XML programming, from basic principles through advanced techniques, utilizing DOM, SAX, XSLT, XPath, schemas, and other key XML standards. Garshol presents scores of code examples based on Python, a cross-platform language that is exceptionally well suited for XML development. Garshol also presents new insights into XML application design and optimization, as well as complete sample applications Book jacket.

Offers case studies and practical techniques outlining the principles of Web design, including user's needs, navigation systems, graphics, usability, accessibility, and interactivity.

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