

Xslt Xpath On The Edge Unlimited Edition Pb2001

XSLT is a powerful language for transforming XML documents into something else. That something else can be an HTML document, another XML document, a Portable Document Format (PDF) file, a Scalable Vector Graphics (SVG) file, a Virtual Reality Modeling Language (VRML) file, Java code, or a number of other things. You write an XSLT stylesheet to define the rules for transforming an XML document, and the XSLT processor does the work. As useful as XSLT is, its peculiar characteristics make it a difficult language in which to get started. In fact, newcomers are often a little dazed on first contact. Learning XSLT offers a hands-on introduction to help them get up to speed with XSLT quickly. The book will help web developers and designers understand this powerful but often mystifying template-driven and functional-styled language, getting them over the many differences between XSLT and the more conventional programming languages. Learning XSLT moves smoothly from the simple to complex, illustrating all aspects of XSLT 1.0 through step-by-step examples that you'll practice as you work through the book. Thorough in its coverage of the language, the book makes few assumptions about what you may already know. You'll learn about XSLT's template-based syntax, how XSLT templates work with each other,

and gain an understanding of XSLT variables. Learning XSLT also explains how the XML Path Language (XPath) is used by XSLT and provides a glimpse of what the future holds for XSLT 2.0 and XPath 2.0. The ability to transform one XML vocabulary to another is fundamental to exploiting the power of XML. Learning XSLT is a carefully paced, example-rich introduction to XSLT that will have you understanding and using XSLT on your own in no time.

For the first time four workshops have been held in conjunction with the 8th Object-Oriented Information Systems conference, OOIS 2002, to encourage interaction between researchers and practitioners. Workshop topics are, of course, inline with the conference's scientific scope and provide a forum for groups of researchers and practitioners to meet together more closely and to exchange opinions and advanced ideas, and to share preliminary results on focused issues in an atmosphere that fosters interaction and problem solving. The conference hosted four one-day workshops. The four selected workshops were fully in the spirit of a workshop session hosted by a main conference. Indeed, OOIS deals with all the topics related to the use of object-oriented techniques for the development of information systems. The four workshops are very specific and contribute to enlarging the spectrum of the more general topics treated in the main conference. The first workshop focused on a very specific and key concept

of object-oriented development, the specialization/generalization hierarchy. The second one explored the use of “non-traditional” approaches (at the edge of object-oriented techniques, such as aspects, AI, etc.) to improve reuse. The third workshop dealt with optimization in Web-based information systems. And finally the fourth workshop investigated issues related to model-driven software development.

Would you like to use a consistent visual notation for drawing integration solutions? "Look inside the front cover." Do you want to harness the power of asynchronous systems without getting caught in the pitfalls? "See "Thinking Asynchronously" in the Introduction." Do you want to know which style of application integration is best for your purposes? "See Chapter 2, Integration Styles." Do you want to learn techniques for processing messages concurrently? "See Chapter 10, Competing Consumers and Message Dispatcher." Do you want to learn how you can track asynchronous messages as they flow across distributed systems? "See Chapter 11, Message History and Message Store." Do you want to understand how a system designed using integration patterns can be implemented using Java Web services, .NET message queuing, and a TIBCO-based publish-subscribe architecture? "See Chapter 9, Interlude: Composed Messaging." Utilizing years of practical experience, seasoned experts Gregor

Hohpe and Bobby Woolf show how asynchronous messaging has proven to be the best strategy for enterprise integration success. However, building and deploying messaging solutions presents a number of problems for developers. "Enterprise Integration Patterns" provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

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Combining coverage of both XSLT 2.0 and XPath 2.0, this book is the definitive reference to the final recommendation status versions of both specifications. The authors start by covering the concepts in XSLT and XPath, and then delve into elements, operators, expressions with syntax, usage, and examples. Some of the specific topics covered include XSLT processing model, stylesheet structure, serialization, extensibility, and many others. In addition to online content that includes error codes, the book also has case studies you'll find applicable to your own challenges.

A reference guide to working with FileMaker provides information on such topics as scripts, syntax of functions, port numbers, and error codes.

XSLT and XPath On The EdgeWiley

* Remains the classic tutorial for both non-programmers and beginning programmers. * Tried and true step by step approach. * Although it assumes nothing, it contains all the material a professional needs to know.

The emerging Second-Generation Web is based entirely on XML and related technologies. It is intended to result in the creation of the Semantic Web, on which computers will be able to deal with the meaning ("semantics") of Web data and hence to process them in a more effective and autonomous way. This new

version of the Web introduces a multitude of novel concepts, terms, and acronyms. Purpose, Scope and Methods This dictionary is an effort to specify the terminological basis of emerging XML and Semantic Web technologies. The ultimate goal of this dictionary is even broader than just to define the meaning of newwords - it aims to develop a proper understanding of these leading-edge technologies. To achieve this, comprehensible definitions of technical terms are supported by numerous diagrams and code snippets, clearly annotated and explained. The main areas covered in this dictionary are: (1) XML syntax and core technologies, such as Namespaces, Infoset and XML Schema; (2) all the major members of the XML family of technologies, such as XSLT, XPath and XLink; (3) numerous XML-based domain-specific languages, such as NewsML (News Markup Language); (4) the concept and architecture of the Semantic Web; (5) key Semantic Web technologies, such as RDF (Resource Description Framework), RDF Schema and OWL (Web Ontology Language); and (6) Web services, including WSDL (Web Services Description Language) and SOAP (Simple Object Access Protocol).

The new FileMaker 12 allows you to build unparalleled databases for a wide variety of devices, from Windows and Mac desktops to iPhones and iPad. With 10 million registered customers, FileMaker's users are "average Joes" who are knowledge workers, subject matter experts, and

business users from all walks of life. The community extends well beyond the pool of professional software developers. FileMaker's legendary ease-of-use has led to its wide adoption and has allowed non-programmers an avenue into creating sophisticated software solutions. FileMaker 12 Developer's Reference will serve to help bridge the gaps in these people's understanding of FileMaker's hundreds of calculation functions, script steps, and operations. They know FileMaker, they've used it for years, but they need a quick reference, immediately accessible while not interrupting their work on screen. There is no other book like this on the market. All FileMaker books include information on calculation formulas, scripting, etc., but none have expressly focused on giving readers one simple thing: a quick reference to be used in conjunction with their programming efforts. Some books teach, others explain, still others explore specific in-depth topics. This book will appeal to the entire FileMaker Pro community and be a great extension of their library. This edition is updated for the many new features coming with FileMaker 12, including the product's design functionality and the file format, and a new section dedicated to FileMaker Go, which is the iOS client.

Covering all stages of an XML Web site project, this practical book describes the entire process of planning, implementing, and maintaining the site as an XML-based information system. Ideal for working Web developers new to XML but eager to learn and leverage its benefits, this title simplifies XML and XSLT and boils them down to just those elements that are needed.

What is this book about? Extensible Markup Language (XML) is a rapidly maturing technology with powerful real-world applications, particularly for the management, display, and organization of data. Together with its many related technologies it is an essential technology

for anyone using markup languages on the web or internally. This book teaches you all you need to know about XML — what it is, how it works, what technologies surround it, and how it can best be used in a variety of situations, from simple data transfer to using XML in your web pages. It builds on the strengths of the first edition, and provides new material to reflect the changes in the XML landscape — notably SOAP and Web Services, and the publication of the XML Schemas Recommendation by the W3C. What does this book cover? Here are just a few of the things this book covers: XML syntax and writing well-formed XML Using XML Namespaces Transforming XML into other formats with XSLT XPath and XPointer for locating specific XML data XML Validation using DTDs and XML Schemas Manipulating XML documents with the DOM and SAX 2.0 SOAP and Web Services Displaying XML using CSS and XSL Incorporating XML into tradition databases and n-tier architectures XLink and XPointer for linking XML and non-XML resources Who is this book for? Beginning XML, 2nd Edition is for any developer who is interested in learning to use XML in web, e-commerce or data-storage applications. Some knowledge of mark up, scripting, and/or object oriented programming languages is advantageous, but not essential, as the basis of these techniques are explained as required.

Ajax has the power to revolutionize the way web-based applications are designed. This book provides you with a thorough working knowledge of what Ajax has to offer and how to take full advantage of it in your application development. Following an exploration of how Ajax works with .NET, you'll get acquainted with DHTML, the role of JavaScript and the Document Object Model, and the XMLHttpRequest Object, which is the foundation of Ajax. Then you will examine the Ajax-type features built into ASP.NET and explore the Ajax.NET Professional

Library in detail. Finally, you will explore client scripting as well as building and using controls with Microsoft's Atlas. With an entire chapter devoted to debugging, you will have all you need to use this cutting-edge technology. What you will learn from this book * What you can do with the open source Ajax.NET Professional Library * How to use the corresponding functionality, Asynchronous Client Script Callbacks, that comes with ASP.NET 2.0 * Techniques for using the XMLHttpRequest Object to communicate between the client web browser and the server * An overview of XML, XSLT, and other ways to send data between client and server * How to integrate Microsoft's Atlas with many of the services available in ASP.NET 2.0 Who this book is for This book is for programmers who use ASP.NET and are just starting to use Ajax technologies to create more responsive, modern applications. Wrox Beginning guides are crafted to make learning programming languages and technologies easier than you think, providing a structured, tutorial format that will guide you through all the techniques involved. Web technologies are increasingly relevant to scientists working with data, for both accessing data and creating rich dynamic and interactive displays. The XML and JSON data formats are widely used in Web services, regular Web pages and JavaScript code, and visualization formats such as SVG and KML for Google Earth and Google Maps. In addition, scientists use HTTP and other network protocols to scrape data from Web pages, access REST and SOAP Web Services, and interact with NoSQL databases and text search applications. This book provides a practical hands-on introduction to these technologies, including high-level functions the authors have developed for data scientists. It describes strategies and approaches for extracting data from HTML, XML, and JSON formats and how to programmatically access data from the Web. Along with these general skills, the authors illustrate several applications that

are relevant to data scientists, such as reading and writing spreadsheet documents both locally and via Google Docs, creating interactive and dynamic visualizations, displaying spatial-temporal displays with Google Earth, and generating code from descriptions of data structures to read and write data. These topics demonstrate the rich possibilities and opportunities to do new things with these modern technologies. The book contains many examples and case-studies that readers can use directly and adapt to their own work. The authors have focused on the integration of these technologies with the R statistical computing environment. However, the ideas and skills presented here are more general, and statisticians who use other computing environments will also find them relevant to their work. Deborah Nolan is Professor of Statistics at University of California, Berkeley. Duncan Temple Lang is Associate Professor of Statistics at University of California, Davis and has been a member of both the S and R development teams.

Master modern web and network data modeling: both theory and applications. In *Web and Network Data Science*, a top faculty member of Northwestern University's prestigious analytics program presents the first fully-integrated treatment of both the business and academic elements of web and network modeling for predictive analytics. Some books in this field focus either entirely on business issues (e.g., *Google Analytics and SEO*); others are strictly academic (covering topics such as sociology, complexity theory, ecology, applied physics, and economics). This text gives today's managers and students what they really need: integrated coverage of concepts, principles, and theory in the context of real-world applications. Building on his pioneering *Web Analytics* course at Northwestern University, Thomas W. Miller covers usability testing, Web site performance, usage analysis, social media platforms, search engine

optimization (SEO), and many other topics. He balances this practical coverage with accessible and up-to-date introductions to both social network analysis and network science, demonstrating how these disciplines can be used to solve real business problems.

Utilizes real-world examples to demonstrate how XSLT (Extensible Stylesheet Language Transformations) stylesheets can be used with XML data and documents to create such applications as sound files, HTML, WML, graphics (SVG), and Braille, and discusses the relationship of XSLT and XPath to other web standards. Original. (Intermediate/Advanced) This book has two objectives--to provide a comprehensive reference on using XML with Python; and to illustrate the practical applications of these technologies in an enterprise environment with examples.

An exploration of the relationship between XML and Office 2003, examining how the various products in the Office suite both produce and consume XML. Beginning with an overview of the XML features included in the various Office 2003 components, it provides guidance on how to import or export information from Office documents into other systems.

Extensible Stylesheet Language Transformations, along with the XML Path Language, give you the power to transform XML documents into HTML documents, or to other XML documents that you can use in Web-based applications. But how do you implement XSLT in the real world? This book provides the answers. Covering everything from reformatting numbers to creating dynamic XSLT applications, XSLT expert Jeni Tennison delivers a wealth of ready-to-use utility templates and practical XSLT solutions -- everything you need to jump-start XSLT development. With XSLT and XPath on the Edge, Unlimited Edition, you'll: * Take advantage of utility templates for searching and replacing strings, calculating minimums, and

more * Build your own recursive templates or use simple XPath * Discover ready-made solutions for filtering, numbering, grouping, and other transformations * Understand the building blocks of XSLT applications * Separate style from format and break up your stylesheet into functional modules that are easier to maintain and reuse * Build dynamic applications that use client-side processing with MSXML or server-side processing with Cocoon * Fine-tune stylesheets to work more efficiently and deliver exactly the output you're looking for * Harness the power of the XSLT extensions available with MSXML, Saxon, and Xalan With this Unlimited Edition, owners of the book can download all-new content from the Web and access a searchable version of the book online.

This text provides a snapshot of contemporary research and development activities in the area of Web and Internet databases. It also provides case studies of successful Web database applications, including an online pay claim, a product catalogue and multiple-choice assessment through the Web.

The CDA book provides clear and easy to use guidance to implement the standard, with numerous examples covering many of the nuances of the standard. Readers can learn not only how to implement healthcare IT using the CDA standard, but to "speak" in the language of the standard, and to understand its idioms.

Home to the New York Yankees, the Bronx Zoo, and the Grand Concourse, the Bronx was at one time a haven for upwardly mobile second-generation immigrants eager to leave the crowded tenements of Manhattan in pursuit of the American dream. Once hailed as a "wonder borough" of beautiful homes, parks, and universities, the Bronx became--during the 1960s and 1970s--a national symbol of urban deterioration. Thriving neighborhoods that had long been

home to generations of families dissolved under waves of arson, crime, and housing abandonment, turning blocks of apartment buildings into gutted, graffiti-covered shells and empty, trash-filled lots. In this revealing history of the Bronx, Evelyn Gonzalez describes how the once-infamous New York City borough underwent one of the most successful and inspiring community revivals in American history. From its earliest beginnings as a loose cluster of commuter villages to its current status as a densely populated home for New York's growing and increasingly more diverse African American and Hispanic populations, this book shows how the Bronx interacted with and was affected by the rest of New York City as it grew from a small colony on the tip of Manhattan into a sprawling metropolis. This is the story of the clattering of elevated subways and the cacophony of crowded neighborhoods, the heady optimism of industrial progress and the despair of economic recession, and the vibrancy of ethnic cultures and the resilience of local grassroots coalitions crucial to the borough's rejuvenation. In recounting the varied and extreme transformations this remarkable community has undergone, Evelyn Gonzalez argues that it was not racial discrimination, rampant crime, postwar liberalism, or big government that was to blame for the urban crisis that assailed the Bronx during the late 1960s. Rather, the decline was inextricably connected to the same kinds of social initiatives, economic transactions, political decisions, and simple human choices that had once been central to the development and vitality of the borough. Although the history of the Bronx is unquestionably a success story, crime, poverty, and substandard housing still afflict the community today. Yet the process of building and rebuilding carries on, and the revitalization of neighborhoods and a resurgence of economic growth continue to offer hope for the future.

This book shows XML programmers how to use XSLT to transform XML documents. Plus qu'un langage de feuilles de styles, un vrai langage de programmation ! Complément indispensable d'XML, le langage XSLT a deux principaux usages. Il permet d'abord de convertir un document XML en un format adapté à l'affichage ou à l'impression (HTML pour le Web, RTF ou PDF pour l'impression, etc.). Mais XSLT est bien plus qu'un simple langage de feuilles de styles, c'est aussi un véritable langage de programmation, grâce auquel on peut effectuer toutes sortes de traitements sur les documents XML : en modifier la structure, en extraire des informations, en filtrer le contenu, etc. Un langage déstabilisant pour les programmeurs Dans cet ouvrage de niveau avancé, Philippe Drix expose avec beaucoup de précision toutes les subtilités du langage XSLT, qui impose aux développeurs un véritable changement culturel par rapport à des langages de programmation classiques tels que C++, Java, VB ou Perl. Vingt design patterns XSLT prêts à l'emploi La grande originalité du livre est de proposer dans la seconde partie une sélection de design patterns, c'est-à-dire des modèles de transformations XSLT pouvant être réutilisés dans de nombreux contextes : applications documentaires, Web, intranet, EAI, etc. Parmi les patterns proposés : Inclusion conditionnelle de feuille de style Visiteur récursif de node-set Constitution d'un node-set de valeurs toutes différentes Copie presque conforme d'un document XML Détection d'un élément avec domaine nominal par défaut Références croisées inter-fichiers Génération d'hyperliens Regroupements par valeur ou par position Regroupements hiérarchiques Génération d'une feuille de style par une autre feuille de style Génération de pages HTML dynamiques pour un portail Construction dynamique d'un tableau HTML Génération de documents multiples Etc.

This book constitutes the thoroughly refereed post-proceedings of the 12th International

Symposium on Graph Drawing, GD 2004, held in New York, NY, USA in September/October 2004. The 39 revised full papers and 12 revised short papers presented together with 4 posters and a report on the graph drawing context were carefully selected during two rounds of reviewing and improvement. All current aspects in graph drawing are addressed ranging from foundational and methodological issues to applications for various classes of graphs in a variety of fields.

This volume contains the tutorial papers of the Summer School “Reasoning Web,” July 25–29, 2005 (<http://reasoningweb.org>). The school was hosted by the University of Malta and was organized by the Network of Excellence REVERSE “Reasoning on the Web with Rules and Semantics” (<http://reverse.net>), funded by the EU Commission and by the Swiss Federal Office for Education and Science within the 6th Framework Programme under the project reference number 506779. The objective of the school was to provide an introduction into methods and issues of the Semantic Web, a major endeavor in current Web research, where the World Wide Web Consortium W3C plays an important role. The main idea of the Semantic Web is to enrich Web data with meta-data carrying a “meaning” of the data and allowing Web-based systems to reason about data (and meta-data). The meta-data used in Semantic Web applications is usually linked to a conceptualization of the application domain shared by different

applications. Such a conceptualization is called an ontology and specifies classes of objects and relations between them. Ontologies are defined by ontology languages, based on logic and supporting formal reasoning. Just as the current Web is inherently heterogeneous in data formats and data semantics, the Semantic Web will be inherently heterogeneous in its reasoning forms. Indeed, any single form of reasoning turns out to be insufficient in the Semantic Web. This second edition of the bestselling *Learning XML* provides web developers with a concise but grounded understanding of XML (the Extensible Markup Language) and its potential-- not just a whirlwind tour of XML. The author explains the important and relevant XML technologies and their capabilities clearly and succinctly with plenty of real-life projects and useful examples. He outlines the elements of markup--demystifying concepts such as attributes, entities, and namespaces--and provides enough depth and examples to get started. *Learning XML* is a reliable source for anyone who needs to know XML, but doesn't want to waste time wading through hundreds of web sites or 800 pages of bloated text. For writers producing XML documents, this book clarifies files and the process of creating them with the appropriate structure and format. Designers will learn what parts of XML are most helpful to their team and will get started on creating Document Type Definitions. For programmers, the book makes syntax

and structures clear. Learning XML also discusses the stylesheets needed for viewing documents in the next generation of browsers, databases, and other devices. Learning XML illustrates the core XML concepts and language syntax, in addition to important related tools such as the CSS and XSL styling languages and the XLink and XPointer specifications for creating rich link structures. It includes information about three schema languages for validation: W3C Schema, Schematron, and RELAX-NG, which are gaining widespread support from people who need to validate documents but aren't satisfied with DTDs. Also new in this edition is a chapter on XSL-FO, a powerful formatting language for XML. If you need to wade through the acronym soup of XML and start to really use this powerful tool, Learning XML, will give you the roadmap you need.

Python attracts a wide variety of developers, many of whom use it to connect critical programming tasks. Python can serve as the glue between operations, as well as a powerful and complete cross-platform application development language. Python is also object-oriented and has powerful text manipulation capabilities, which make it particularly attractive to XML developers. It is ideally suited as a language for the manipulation of XML. Python and XML provides a solid foundation for developers using XML with Python. Loaded with practical examples, this book highlights common application tasks so that you can learn by

doing. It starts with a basic introduction to XML, and quickly progresses to more advanced topics, such as transforming XML with XSLT, querying XML with XPath, and working with XML-based languages and validation. It also explores such subjects as Python and SOAP, Python and distributed web services, and using Python and XML to integrate distributed systems. While covering the many tools involved in XML processing with Python, the book discusses effective practical applications and often highlights cross-platform issues, along with tasks relevant to enterprise computing. There is ample coverage of XML flow analysis and details on ways to successfully transport XML through a network. If you are using Python as an application language or as an administrative or middleware scripting language, you are sure to benefit from this book. And if you are a Python programmer and want to incorporate XML into your skill set, this is the book for you. It covers cutting edge topics such as XSLT, XPath, DOM/SAX, and validation.

* Coverage of all three significant .NET code generation mechanisms: Manual code generation, XSL/XML and CodeDom. * Includes a database metadata extraction tool based on SQL-92 standards. * Real solutions to the problem of protecting handcrafted code across regeneration. * Covers code generation in the broader picture of how applications are developed. * Includes real world

samples for a complete middle tier and simple User Interface.

Get an In-Depth Understanding of Graph Drawing Techniques, Algorithms, Software, and Applications The Handbook of Graph Drawing and Visualization provides a broad, up-to-date survey of the field of graph drawing. It covers topological and geometric foundations, algorithms, software systems, and visualization applications in business, education, science, and engineering. Each chapter is self-contained and includes extensive references. The first several chapters of the book deal with fundamental topological and geometric concepts and techniques used in graph drawing, such as planarity testing and embedding, crossings and planarization, symmetric drawings, and proximity drawings. The following chapters present a large collection of algorithms for constructing drawings of graphs, including tree, planar straight-line, planar orthogonal and polyline, spine and radial, circular, rectangular, hierarchical, and three-dimensional drawings as well as labeling algorithms, simultaneous embeddings, and force-directed methods. The book then introduces the GraphML language for representing graphs and their drawings and describes three software systems for constructing drawings of graphs: OGDF, GDTToolkit, and PIGALE. The final chapters illustrate the use of graph drawing methods in visualization applications for biological networks, computer security, data analytics, education, computer

networks, and social networks. Edited by a pioneer in graph drawing and with contributions from leaders in the graph drawing research community, this handbook shows how graph drawing and visualization can be applied in the physical, life, and social sciences. Whether you are a mathematics researcher, IT practitioner, or software developer, the book will help you understand graph drawing methods and graph visualization systems, use graph drawing techniques in your research, and incorporate graph drawing solutions in your products.

OASIS Open Document Format for Office Applications (OpenDocument) is an open, XML-based file format, an open standard from the OASIS standards group. OpenDocument covers the features required by office applications: text, spreadsheets, charts, and graphical documents. This book introduces you to the XML that serves as an internal format for office applications. OpenDocument is the native format for OpenOffice.org, an open source, cross-platform office suite, and KOffice, an office suite for KDE (the K desktop environment). It's a format that is truly open and free of any patent and license restrictions. This book is available for free download as HTML or PDF from <http://books.evc-cit.info>

Presents a collection of detailed code recipes that breaks down everyday XSLT problems into manageable chunks. This work enables you learn how to transform XML documents into PDF files, SVG files, and HTML documents.

A hands on guide to web scraping and text mining for both beginners and experienced users of R. Introduces fundamental concepts of the main architecture of the web and databases and covers HTTP, HTML, XML, JSON, SQL. Provides basic techniques to query web documents and data sets (XPath and regular expressions). An extensive set of exercises are presented to guide the reader through each technique. Explores both supervised and unsupervised techniques as well as advanced techniques such as data scraping and text management. Case studies are featured throughout along with examples for each technique presented. R code and solutions to exercises featured in the book are provided on a supporting website.

XML is the logical choice for a powerful data medium transferable across applications and platforms. This book takes a streamlined approach, giving the reader all they need to hit the ground running, without making them trawl through hundreds of pages of syntax. The book is also thoroughly up-to-date, covering the newest XML standards (DOM 3.0, XSLT 2.0, XPath 2.0) and Java tools (including JAXB, Xerces2-j, JAXP, XML Beans, and many more,) and the relevant new features of Java 5 and 6. In short, the book gives readers all they need to master cutting edge XML development with Java.

Maybe you know FileMaker, and you have used it for years, but need a quick reference,

immediately accessible while not interrupting your work on screen. This is the only book on the market expressly focused on describing each calculation formula and how and when to use each! Filled with real-world, concrete examples, this book is an invaluable companion to readers working to develop solutions to their every day software problems. Contains hundreds of calculation functions, script steps, and operations that will appeal to every FileMaker user, new and old.

Recent rapid globalisation of manufacturing industries leads to a drive and thirst for rapid advancements in technological development and expertise in the fields of advanced design and manufacturing, especially at their interfaces. This development results in many economical benefits to and improvement of quality of life for many people all over the world. Technically speaking, this rapid development also create many opportunities and challenges for both industrialists and academics, as the design requirements and constraints have completely changed in this global design and manufacture environment. Consequently the way to design, manufacture and realise products have changed as well. The days of designing for a local market and using local suppliers in manufacturing have gone, if enterprises aim to maintain their competitiveness and global expansion leading to further success. In this global context and scenario, both industry and the academia have an urgent need to equip themselves with the latest knowledge, technology and methods developed for engineering design and manufacture. To address this shift in engineering design and

manufacture, supported by the European Commission under the Asia Link Programme with a project title FASTAHEAD (A Framework Approach to Strengthening Asian Higher Education in Advanced Design and Manufacture), three key project partners, namely the University of Strathclyde of the United Kingdom, Northwestern Polytechnical University of China, and the Troyes University of Technology of France organised a third international conference.

This book constitutes the refereed proceedings of the Third International Conference on Web Reasoning and Rule Systems, RR 2009, held in Chantilly, VA, USA, in October 2009. The 15 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 41 submissions. The papers address all current topics in Web reasoning and rule systems such as proof/deduction procedures, scalability, uncertainty, knowledge amalgamation and querying, and rules for decision support and production systems.

This single-source reference and tutorial brings together up-to-the-minute information about every key XML technology. The book's unique features are designed to make XML easier than ever to master and use effectively. Throughout, Kenneth B. Sall provides two parallel sets of examples: "QuickTrack" examples for beginners and those seeking a quick overview of how the technology works, and "Advanced Track" examples for readers who want to drill down for a more sophisticated understanding. The book includes extensive tables designed for rapid access to key information, plus

as a "Big Picture Map" showing how virtually every key W3C XML-related initiative fits together. **KEY TOPICS:** Sall begins by reviewing XML's history, goals, evolution, fundamental concepts, and syntax. He covers parsing and programming APIs, techniques for displaying and transforming XML, related core XML specifications, and specialized XML vocabularies. Among the XML-related technologies covered in this book: XSL, DOM, P3P, CSS, Xlink, and Xpointer. The book includes a full chapter on XSLT by G. Ken Holman, current chair of the OASIS XSLT Conformance Technical Subcommittee; and a full chapter on the Resource Definition Framework (RDF) by Oral Lassila, a member of the W3C working group on RDF. **MARKET:** For every Web professional and software developer working with XML.

- * Updated for XSLT 2.0, the latest revision
- * A clear, step-by-step introduction to XSLT for practical, everyday tasks
- * Suitable for complete beginners, even people who have never programmed before
- * Comprehensive, but focuses on techniques that are used time and time again; Uses a fun byut realistic case study throughout
- * Includes introductions to many of the most popular XML vocabularies

Written by one of the leading experts on both XSLT and XML Schema; technical review by Michael Kay, the leading and well-known expert on XSLT.

XSLT is a powerful language for transforming XML documents into something else. That something else can be an HTML document, another XML document, a Portable Document Format (PDF) file, a Scalable Vector Graphics (SVG) file, a Virtual Reality

Modeling Language (VRML) file, Java code, or a number of other things. You write an XSLT stylesheet to define the rules for transforming an XML document, and the XSLT processor does the work. As useful as XSLT is, its peculiar characteristics make it a difficult language in which to get started. In fact, newcomers are often a little dazed on first contact. Learning XSLT offers a hands-on introduction to help them get up to speed with XSLT quickly. The book will help web developers and designers understand this powerful but often mystifying template-driven and functional-styled language, getting them over the many differences between XSLT and the more conventional programming languages. Learning XSLT moves smoothly from the simple to complex, illustrating all aspects of XSLT 1.0 through step-by-step examples that you'll practice as you work through the book. Thorough in its coverage of the language, the book makes few assumptions about what you may already know. You'll learn about XSLT's template-based syntax, how XSLT templates work with each other, and gain an understanding of XSLT variables. Learning XSLT also explains how the XML Path Language (XPath) is used by XSLT and provides a glimpse of what the future holds for XSLT 2.0 and XPath 2.0. The ability to transform one XML vocabulary to another is fundamental to exploiting the power of XML. Learning XSLT is a carefully paced, example-rich introduction to XSLT that will have you understanding and using XSLT on your own in no time.

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