

Xml For Dummies

XML For Dummies John Wiley & Sons

See how XML works for business needs and RSS feeds Create consistency on the Web, or tag your data for different purposes Tag -- XML is it! XML tags let you share your format as well as your data, and this handy guide will show you how. You'll soon be using this markup language to create everything from Web sites to business forms, discovering schemas and DOCTYPEs, wandering the Xpath, teaming up XML with Office 2003, and more.

Discover how to * Make information portable * Use XML with Word 2003 * Store different types of data * Convert HTML documents to XHTML * Add CSS to XML * Understand and use DTDs

Extensible Markup Language (XML) is used to describe data. The XML standard is a flexible way to create information formats and electronically share structured data via the public Internet, as well as via corporate networks. XML code, a formal recommendation from the World Wide Web Consortium (W3C), is similar to Hypertext Markup Language (HTML). Both XML and HTML contain markup symbols to describe page or file contents. HTML code describes Web page content (mainly text and graphic images) only in terms of how it is to be displayed and interacted with. XML data is known as self-describing or self-defining, meaning that the

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structure of the data is embedded with the data, thus when the data arrives there is no need to pre-build the structure to store the data; it is dynamically understood within the XML. The XML format can be used by any individual or group of individuals or companies that want to share information in a consistent way. XML is actually a simpler and easier-to-use subset of the Standard Generalized Markup Language (SGML), which is the standard to create a document structure. The basic building block of an XML document is an element, defined by tags. An element has a beginning and an ending tag. All elements in an XML document are contained in an outermost element known as the root element. XML can also support nested elements, or elements within elements. This ability allows XML to support hierarchical structures. Element names describe the content of the element, and the structure describes the relationship between the elements. An XML document is considered to be "well formed" (that is, able to be read and understood by an XML parser) if its format complies with the XML specification, if it is properly marked up, and if elements are properly nested. XML also supports the ability to define attributes for elements and describe characteristics of the elements in the beginning tag of an element. Explains how to process XML with Java, build XML applications, and parse complicated documents. Use this guide to master the XML metalanguage and

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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

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stored in XML or JSON documents. The book also targets developers wanting to understand the XML language and JSON data format.

A step-by-step guide to creating dynamic web pages using the industry-standard web development languages. It enables readers learn the concepts, syntax and APIs (Application Program Interface) of Java. The CD-ROM includes coding examples.

As XML gains popularity, developers are looking to implement XML technologies in their line-of-business applications This book offers readers real-world insight into XML so that they can build the best possible applications Offers an in-depth look at XML and discusses XML tools, services (RSS, SOAP, REST, WSDL), programming (DOM, SAX, Ajax), and languages (.NET, Java, PHP)

Your indispensable introductory guide updated to cover the latest XML tools and techniques Get the scoop on XML Schemas, XSLT, and Web services Harness the power of XML and take the Web to the next level Data exchange. Database connectivity. Complex document creation. With XML, you can create common formats for sharing information once you get the hang of all those rules. That's where this book comes in. Now updated to cover the latest XML developments, this friendly reference helps you get the hang of DTDs, XML Schema, XPath, and other applications and start putting XML to work. All this on the bonus CD-

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From Example markup from the book Trial and evaluation products, including XML Spy, Epic Editor, and IBM. XML Schema Quality Checker Freeware and open source products, including Ffred, XML4J, and Amaya System requirements: Pentium PC running Windows 2000, Me, XP or later; Macintosh running OS X or later. See CD Appendix for details and complete system requirements.

If you've asked yourself "Why can't I develop database and XML queries in a language I already know?", then Language INtegrated Query, or LINQ, is for you. LINQ For Dummies introduces you to LINQ and the .NET Framework technologies, so you can use LINQ to query any object, any data set, any kind of XML, and SQL Server—no questions asked. This plain-English guide gives you a thorough overview of LINQ, from understanding the tasks it performs to making LINQ work with both Visual Basic and Visual Studio 2005. It explains the four LINQ providers in the .NET Framework, the easiest ways to go about accessing data, and how to write more efficient applications with less code using LINQ. There's also clear guidance on combining third-party providers with LINQ to create even more powerful apps. With this single, comprehensive guide, you'll discover how to: Use one query language with all Microsoft languages Examine .NET language extensions and work with extension methods, partial methods, lambda expressions, and query expressions LINQ to DataSet operators, SQL server operations, XML API, or Active Directory Deal with databases — download and install the Northwind database, generate Northwind entity classes, and create the Northwind XML mapping file Create the partial class example, the partial method example, and the database modification example

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Use objects with LINQ Query databases in Visual Basic and C# As an added bonus, you can visit the companion Web site for LINQ examples in C# and Visual Basic. With LINQ For Dummies, you'll link up with LINQ in no time and see how you can query almost anything! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Features ready-to-use applications-all available on the CD-ROM-that eBay sellers can plug right into their pages; more advanced users can tweak the applications to suit specific needs Shows you how to streamline an eBay business by leveraging programming technologies and the eBay API (application program interface) Explains how to connect eBay pages to the APIs of related companies (PayPal, Fed Ex, UPS, and the USPS) as well as to Microsoft Office applications such as Outlook and Excel Provides expert tips and tricks for implementing eBay technologies such as image handling, shipping calculators, enhanced About Me pages, and back-office tools

Updated to teach the most current XML standards, this book uses real-world case studies and a practical, step-by-step approach to teach XML. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Tag—XML is it! XML tags let you share your format as well as your data, and this handy guide will show you how. You'll soon be using this markup language to create everything from Web sites to business forms, discovering schemas and DOCTYPES, wandering the Xpath, teaming up XML with Office 2003, and more. Discover how to: * Make information portable * Use XML with Word 2003 * Store different types of data * Convert HTML documents to XHTML * Add CSS to XML * Understand and use DTDs.

* The complete solution! This revolution in product design

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incorporates 6 books in 1 straightforward desk reference. Provides in depth coverage of the many features and specifications of XML, the data interchange standard of choice. * XML All in One For Dummies is a true desk reference designed to guide readers through the features and specifications of the leading edge XML dialects and help them develop their own custom Web applications all under one cover. * Covers XML basics, using DTD's with XML, XML namespaces, XML schemas, styling XML documents, XML's linking languages, XML tools, using XML in the real world, and more. * The first two editions of XML For Dummies have sold more than 85,000 units. * According to Microsoft's CEO Steve Ballmer "XML will become the universal medium by which Web sites and users of Web sites communicate." * Written by NIIT a global training, IT consulting and software development organization. NIIT trains over 150,000 individuals each year in Information Technology areas. * The For Dummies series a repeat winner, now with more than 100 million books in print.

Want to build a killer Web site? Want to make it easy to keep your site up to date? You'll need to know how CSS, HTML, and XHTML work together. HTML, XHTML, and CSS All-In-One Desk Reference For Dummies makes that easy too! These eight minibooks get you started, explain standards, and help you connect all the dots to create sites with pizzazz. This handy, one-stop guide catches you up on XHTML basics and CSS fundamentals. You'll learn how to work with Positionable CSS to create floating elements, margins, and multi-column layouts, and you'll get up to speed on client-side programming with JavaScript. You'll also get the low-down on server side programming with PHP, creating a database with MySQL, and using Ajax on both client and server sides. You'll find out how to: Use templates and validators Manage information with lists and tables Turn lists of links into button

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bars Add style color and borders Create variables for data Add motion with basic DOM animation Work with arrays Add Flash functionality with AFLAX Build and manage a multipage site Choose and run your own server You don't need expensive or complicated software or a super-powerful computer to build a Web site that does all sorts of amazing things. All you need is a text editor and the clear, step-by-step guidance you'll find in HTML, XHTML, and CSS All-In-One Desk Reference For Dummies.

This fast-paced and thorough tutorial/reference contains everything an experienced web developer needs to put XML to work on established or new web sites. XML Bible, Gold Edition covers the fundamentals of the XML language, with emphasis on the creation of XML pages and their publication on the Web; the integration of XML with HTML, databases, and scripting languages to build complex applications. This book also covers Cascading Style Sheets and XSL Transformation; and supplemental technologies such as XLinks and XPointers.

Restructuring information in an XML document so that it works in other formats used to be a time-consuming ordeal involving lots of blood, sweat, and tears. Now XSLT (Extensible Stylesheet Language Transformations) makes the process nearly instantaneous. Just provide an example of the kind of information you'd like to see, and XSLT does the rest. With XSLT you can effortlessly transform XML documents into virtually any kind of output, including other XML documents and HTML pages. But mastering XSLT can be tricky, especially if you've never worked with XML or HTML; and most books on the subject are written for people who have. Here comes XSLT For Dummies to the rescue! XSLT For Dummies is your ticket to quickly mastering XSLT—no matter what your prior programming experience. Writing in easygoing, plain English, XML pro Richard Wagner provides

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expert advice, step-by-step guidance, and tons of crystal-clear examples to help you harness the power of XSLT to transform documents. In no time you'll:

- Understand how XSLT works with XSL and XPath
- Experiment with templates, stylesheets, and expressions
- Perform HTML transformations
- Master XPath data types and functions
- Combine XSLT stylesheets
- Explore cool XSLT programming tricks

XSLT For Dummies works from the ground up, starting with a practical introduction of the “X-Team”—XML, XSL, XSLT, and X-Path—and instructions on how to write a XSLT stylesheet. From there it quickly moves onward and upward through the whole range of important XSLT topics, including:

- Transforming with stylesheets
- Understanding and using template rules
- Using XPath to locate nodes in XML documents
- Combining XSLT stylesheets and adding processing instructions
- Debugging XSLT transformations
- Ten XSLT processors available online

It doesn't matter whether you're a babe in the woods who can't tell a “tag” from an element, or you're an old pro at creating XML documents, XSLT For Dummies offers you a fun, easy way to explore and take full advantage of Extensible Stylesheet Language Transformations.

The seamless integration of source code and data from many different programming languages and platforms to build large, reliable software systems has been the Holy Grail of computing since the early 1970s. Now, with the marriage of the Java programming language and XML—the worldwide standard for representing data—that ideal has been realized. Together, Java and XML make up the backbone of a bold new generation of applications and Web services. As the sixties radicals used to say, “Either you're part of the problem or part of the solution!” and no programmer worth his or her salt will want to pass up an opportunity to get in on the Java and

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XML revolution. Java and XML For Dummies offers you a fun, fast and easy way to get up to speed on all of Java's XML tools. Barry Burd walks you through all the major APIs and standards—from JAXP and SAX to SOAP and UDDI—and shows you how to start programming with them right away. Using lots of real-world programming examples he puts you on track to:

- Configure your computer to optimize Java and XML
- Make sense of the complete Java XML toolset
- Create and troubleshoot XML documents
- Master Java XML
- Web services tools
- Join the Web services revolution and make a million bucks

Java and XML For Dummies is arranged in modular fashion, making it easy for you to zero-in on specific areas, tools or procedures that interest you, without having to wade through coverage stuff you already know about. From basic to advanced, it covers all the bases, including:

- Scanning data with SAX, DOM and JDOM
- Programming techniques using SAX API tools
- Programming with DOM API tools
- Viewing XML data on the Web
- Creating custom code for your document using JAXB
- Sending SOAP messages using JAXM
- Working with XML registries
- Automating Web-service processes

Java and XML For Dummies is your road map for JAXP, JDOM, SOAP, WSDL, and all of Java's powerful XML tools—and your passport to joining the Web services revolution!

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

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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.

A complete webmaster's and web designer's guide to exploiting XML's full capabilities for presenting data. Project Cool(TM) Guide to XML for Web Designers. Internationally renowned web developer Teresa A. Martin gets you up to speed on what XML is, how it

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works, how it fits in with other web design and development tools, and how, when, and why to incorporate it into your web site. Project Cool Guide to XML for Web Designers is the only XML guide geared specifically to the needs of webmasters and designers, and offers clear step-by-step guidance for integrating the XML process—from DTDs, parsing, and assigning style data to displaying a page in web browsers. You get all the background information and working examples you need to:

- * Master the XML syntax to create well-formed and valid documents.
- * Build a simple DTD and create elements and attributes lists.
- * Attach styles to an XML document and display it in a web page.
- * Work with XML and the 5.X browsers to display pages more powerfully.
- * Use the new Document Object Model (DOM).
- * Learn about the new XSL specification, CSS, and IE5 behaviors.

On the companion web site at www.projectcool.com/guide/xml you'll find:

- * A live demo that lets you see XML in action.
- * Regular updates on emerging XML specifications and applications.
- * Working examples of XML solutions.
- * Visual glossaries.

Visit our web site at www.wiley.com/compbooks/

Ajax is short for “Asynchronous JavaScript+CSS+DOM+xmlHttpRequest.” Even if you weren’t intimidated before, that tidbit is probably enough to make you reach for the Excedrin. Just reach for Ajax For Dummies instead. With screen shots, actual code and explanations, and live Web sites where you can see Ajax applications doing their thing, it will have you using Ajax to create Web applications that look an act like desktop applications in no time. With Ajax, you can

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speed up and clean up your Web applications. Shoppers at your online store can fill their carts without waiting for multiple page refreshes. Searchers on your sites can get instant results on the same page. This guide takes you on a tour of how Ajax is used today, complete with examples of Ajax applications in action, such as an Ajax-enabled Yahoo! search or an Ajax-based chat application. Then it gives you basics on using JavaScript. After that you dive in and get info on: Writing some Ajax, interactive mouseovers using Ajax, passing data to the server with GET or POST, and more Connecting to Google for a live search Using free Ajax frameworks so you don't have to start from scratch, including Ajax Gold (written specifically for this book), AJAXLib, and grabbing XML with libXmlRequest All kinds of Ajax techniques, such as using Ajax for drag-and-drop operations, pop-up menus, downloading images behind the scenes, and more Using SACK (simple AJAX code kit), decoding XML with Sarissa, and creating visual effects with Rico Handling XML int Ajax Applications Working with cascading style sheets (CCS) in Ajax, including setting up the styles, displaying a menu, styling text, handling colors and backgrounds, and more Working with Ajax and PHP Complete with a companion Web site, free Ajax frameworks, and sample code you can use, Ajax for Dummies is your friendly guide to creating truly user-friendly Web sites! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Develop the next killer Android App using Java programming! Android is everywhere! It runs more than

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half the smartphones in the U.S.—and Java makes it go. If you want to cash in on its popularity by learning to build Android apps with Java, all the easy-to-follow guidance you need to get started is at your fingertips. Inside, you'll learn the basics of Java and grasp how it works with Android; then, you'll go on to create your first real, working application. How cool is that? The demand for Android apps isn't showing any signs of slowing, but if you're a mobile developer who wants to get in on the action, it's vital that you get the necessary Java background to be a success. With the help of *Java Programming for Android Developers For Dummies*, you'll quickly and painlessly discover the ins and outs of using Java to create groundbreaking Android apps—no prior knowledge or experience required! Get the know-how to create an Android program from the ground up. Make sense of basic Java development concepts and techniques. Develop the skills to handle programming challenges. Find out how to debug your app. Don't sit back and watch other developers release apps that bring in the bucks! Everything you need to create that next killer Android app is just a page away!

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,

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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.

See how XML works for business needs and RSS feeds
Create consistency on the Web, or tag your data for different purposes
Tag - XML is it! XML tags let you share your format as well as your data, and this handy

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guide will show you how. You'll soon be using this markup language to create everything from Web sites to business forms, discovering schemas and DOCTYPES, wandering the Xpath, teaming up XML with Office 2003, and more. Discover how to Make information portable Use XML with Word 2003 Store different types of data Convert HTML documents to XHTML Add CSS to XML Understand and use DTDs

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

This software will enable the user to learn about about XML. Now updated with coverage of new applications and the latest standards, this is the ideal beginners guide to XML (eXtensible Markup Language), the widely heralded successor to HTML. Readers will discover how to use this powerful, flexible language and its specialized applications to format all kinds of complex data for the Web. The CD-ROM comes with software, code, Internet links, and more.

Engineered to be the answer for learning XML, expert author Holzner offers hundreds of real-world examples demonstrating the uses of XML and the newest tools developers need to make the most of it.

Learn SQL the fun and easy way – no programming experience needed! SQL For Dummies, 7th Edition, shows programmers and web developers how to use SQL to build relational databases and get valuable information from them. This book covers the core features of the SQL language. Topics covered include how to use SQL to structure a DBMS and implement a database design; secure a database; and retrieve information from a database. This edition will be revised to reflect the new enhancements of SQL/XML:2008. The latest update of the perennial bestselling SQL For Dummies, which has sold more than 210,000 units in six

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editions. SQL is the most popular database language in the world Covers creating, accessing, manipulating, maintaining, and storing information in relational database management systems (DBMS) such as Access, Oracle, SQL Server, and MySQL. Includes new content on using SQL with XML to power data-driven web sites and using SQL with Access 2010 Whether you're daunted by database development or a system admin star, SQL For Dummies, 7th Dummies will have you working your web site in no time at all.

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 applications; Extending XSLT.

Create games with graphics that pop for the web and mobile devices! HTML5 is the tool game developers and designers have been eagerly awaiting. It simplifies the job of creating graphically rich, interactive games for the Internet and mobile

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devices, and this easy-to-use guide simplifies the learning curve. Illustrated in full color, the book takes you step by step through the basics of HTML5 and how to use it to build interactive games with 2D graphics, video, database capability, and plenty of action. Learn to create sports and adventure games, pong games, board games, and more, for both mobile devices and the standard web. Learn to use the new HTML5 technology that makes it easier to create games with lots of action, colorful 2D graphics, and interactivity--for both the web and mobile devices Test and debug your games before deploying them Take advantage of how HTML5 allows for SQL-like data storage, which is especially valuable if you're not well versed in database management Explore creating games suitable for community activity and powerful, profitable games that require large amounts of data Whether you want to build games as a fun hobby or hope to launch a new career, this full-color guide covers everything you need to know to make the most of HTML5 for game design.

XML -- the new standard for creating interactive, cutting-edge Internet content -- promises to be an excellent bridge between differing technologies that are crowding for online attention. XML, which stands for eXtensible Markup Language, combines the dynamic power of SGML with the networking strengths of HTML in one new package that's compatible with a variety of programming languages, Web data formats, and Internet protocols. In short, it's the greatest invention since pizza. Cut to the heart of XML's robust tools and open standards with XML For Dummies Quick Reference, simply the best and most effective one-volume guide to XML. Here, you discover all the tips and tricks you need to create your own markup language that works any time, anywhere, on the Web. Get fast answers on what you need to know, when you need to know it, with XML For Dummies Quick Reference. Plus, the book's compact,

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alphabetical design and lay-flat binding make it the perfect desktop companion.

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 complete update covering the many advances to the XML language The XML language has become the standard for writing documents on the Internet and is constantly improving and evolving. This new edition covers all the many new XML-based technologies that have appeared since the previous edition four years ago, providing you with an up-to-date introductory guide and reference. Packed with real-world code examples, best practices, and in-depth coverage of the most important and relevant topics, this authoritative resource explores both the advantages and disadvantages of XML and addresses the most current standards and uses of XML.

Features the most updated content built on audience feedback from the previous edition as well as the vast knowledge from XML developer teams Boasts new chapters on RELAX NG and Schematron, XML functionality in databases, LINQ to XML, Jabber and XMLPP, XHTML, HTML5, and more Offers in-depth coverage on extracting data from XML and updated material on Web Services Beginning XML, Fifth Edition delivers the most important aspects of XML in regard to what it is, how it works, what technologies surround it, and how it can best be used in a variety of situations.

The perfect guide to help you understand XBRL-from the "father of XBRL" What is XBRL and how can it help you streamline your business reporting? This plain-English guide from the "father of XBRL," Charles Hoffman, will tell you what it is, why it is, and how you can get on the bus with this new SEC-mandated business reporting standard for publicly-

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traded companies. A CPA, Hoffman is credited with the idea of applying XML data to financial reporting; XBRL is the language that resulted. Learn to prepare financial statements with XBRL, use it for strategic planning, move all relevant departments in your company to the same system, and more. XBRL (eXtensible Business Reporting Language) is an XML-based open standard for accounting data; author Charles Hoffman is credited with the idea of applying XML data to financial reporting Plan for XBRL implementation, set action-oriented agendas, and identify stakeholders and subject-matter experts within your organization Learn to choose from and adapt existing XBRL taxonomies to comply with US GAAP and IFRS standards Topics also include how to adapt your existing financial information into XBRL.

If you need to create or use formal descriptions of XML vocabularies, the W3C's XML Schema offers a powerful set of tools for defining acceptable document structures and content. An alternative to DTDs as the way to describe and validate data in an XML environment, XML Schema enables developers to create precise descriptions with a richer set of datatypes?such as booleans, numbers, currencies, dates and times?that are essential for today?s applications.Schemas are powerful, but that power comes with substantial complexity. This concise book explains the ins and outs of XML Schema, including design choices, best practices, and limitations. Particularly valuable are discussions of how the type structures fit with existing database and object-oriented program contexts. With XML Schema, you can define acceptable content models and annotate those models with additional type information, making them more readily bound to programs and objects. Schemas combine the easy interchange of text-based XML with the more stringent requirements of data exchange, and make it easier to validate documents based on namespaces.You?ll find plenty of

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examples in this book that demonstrate the details necessary for precise vocabulary definitions. Topics include:

- Foundations of XML Schema syntax Flat, "russian-doll", and other schema approaches
- Working with simple and complex types in a variety of contexts
- The built-in datatypes provided by XML Schema
- Using facets to extend datatypes, including regular expression-based patterns
- Using keys and uniqueness rules to limit how and where information may appear
- Creating extensible schemas and managing extensibility
- Documenting schemas and extending XML Schema capabilities through annotations

In addition to the explanatory content, XML Schemaprovides a complete reference to all parts of both the XML Schema Structures and XML Schema Datatypes specifications, as well as a glossary. Appendices explore the relationships between XML Schema and other tools for describing document structures, including DTDs, RELAX NG, and Schematron, as well as work in progress at the W3C to more tightly integrate XML Schema with existing specifications.No matter how you intend to use XML Schema - for data structures or document structures, for standalone documents or part of SOAP transactions, for documentation, validation, or data binding ? all the foundations you need are outlined in XML Schema.

Your indispensable introductory guide –updated to cover the latest XML tools and techniques! Get the scoop on XML Schemas, XSLT, and Web services Harness the power of XML and take the Web to the next level Data exchange. Database connectivity. Complex document creation. With XML, you can create common formats for sharing information – once you get the hang of all those rules. That’s where this book comes in. Now updated to cover the latest XML developments, this friendly reference helps you get the hang of DTDs, XML Schema, XPath, and other applications – and start putting XML to work. All this on the bonus CD-Rom

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Example markup from the book Trial and evaluation products, including XML Spy, Epic Editor, and IBM® XML Schema Quality Checker Freeware and open source products, including Ælfred, XML4J, and Amaya System requirements: Pentium PC running Windows 2000, Me, XP or later; Macintosh running OS X or later. See CD Appendix for details and complete system requirements. Get smart!

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