This document gives the course outline which will be covered in the XML training. This course will teach the developers how to use Creating XML-related documents, validating XML documents and Transforming XML documents.

XML Training

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SECTION 1: Introduction

1. The XML Galaxy
2. A First Look at XML
3. Markup Language History
4. Application of XML
5. Companion Standards
6. XML Software

SECTION 2: The XML Syntax

1. A First Look at the XML Syntax
2. Advanced Topics
3. Frequently Asked Questions on XML
4. Four Common Errors
5. XML Editors.
6. Three Applications of XML.

SECTION 3: XML Schemas

1. The DTD Syntax
2. Relationship Between the DTD and the Document
3. Entities and Notations
4. Designing DTDs

SECTION 4: Namespaces

1. The Problem Namespaces Solves
2. URIs
3. Scoping
4. Namespaces and DTD
5. Applications of Namespaces

SECTION 5: XSL Transformation

1. Why Styling?
2. XSL
3. Basic XSLT
4. Supporting a Different Medium
5. Advanced XSLT
6. Using XSLT to Extract Information

SECTION 6: XSL Formatting Objects and Cascading Style Sheet

1. Rendering XML Without HTML
2. The Basics of CSS
3. Flow Objects and Boxes
4. CSS Property Values
5. CSS and XML Editors
6. XSLFO

SECTION 7: The Parser and DOM

1. What Is a Parser?
2. The Parser and the Application
3. Document Object Model
4. Getting Started with DOM

SECTION 7: Alternative API: SAX

1. Alternative API: SAX
2. SAX: The Alternative API
3. SAX Interfaces and Objects

SECTION 8: Writing XML

1. The Parser Mirror
2. Modifying a Document with DOM
3. DOM Methods to Create and Modify Documents
4. Creating a New Document with DOM
5. Using DOM to Create Documents
6. Creating Documents Without DOM
7. Creating Documents from Non-XML Data Structures
8. Doing Something with the XML Documents

SECTION 9: N-Tiered Architecture and XML

1. What Is an N-Tiered Application?
2. The XCommerce Application
3. How XML Helps
4. XML for the Data Tiers
5. XML on the Middle Tier
6. Creating Server-Side Programming Language

SECTION 10: Putting It All Together: An e-Commerce Example

1. Building XCommerce
2. Encapsulating XML Tools
3. The Data Tier
4. Viewer and Editor