

XML DTD Design

1 day course

Overview

XML DTD Design is a hands-on course that introduces you to the basics of DTD design. In addition to the MSXML parser, the course also uses the Internet Explorer Tools for Validating XML and Viewing XSLT Output. This set of tools makes it easier to validate your XML on the fly. Using these tools means that you won't have to write any scripts or additional code to validate your XML from within the browser.

Prerequisites

To ensure your success, we recommend you first take the Systematix course, XML An Introduction, or have equivalent knowledge.

Benefits

Students will learn how to model XML document structure and translate that structure into a DTD.

Target Student

Students enrolling in this course should understand basic XML concepts such as elements, attributes, and entities.

What's Next

This course is a part of a series of courses that provide the foundation of XML technologies. After having learned about DTDs and Schemas, XSL/XSLT, XML DOM, and XLink/XPointer/XPath, students will be well-poised to start integrating XML support into their Web applications using ASP, ADO, Java, various database management systems, ColdFusion, JSP, and so on.

Course Content:

Introduction to Valid XML

- The History of DTDs
- Minimal Structural Requirements for XML
- Valid XML
- DTD Tools

Document Modeling

- The Planning Stage
- How to Model Information
- Permissive and Restrictive Models

Designing Permissive and Restrictive DTDs

- Defining Elements
- Attribute List Declaration Data Types
- Additional DTD Syntax

Designing Modular DTDs

- Entity Declarations
- Writing Modular DTDs

Validating XML

- Automated Validation
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