



## **XML: DTD Design**

**Overview:** This course covers the basics of DTD design. The course was developed using the final release of the MSXML 3.0 parser. We recommend that you install and use the latest version of the parser. In addition to the MSXML parser, the course also uses the Internet Explorer Tools for Validating XML and Viewing XSLT Output. 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 CMC's XML: An Introduction course or have equivalent knowledge.

**Course Length:** 1/2 Day

### **Course Content**

#### **Lesson 1: Introduction to Valid XML**

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

#### **Lesson 2: Document Modeling**

The Planning Stage  
How to Model Information  
Permissive and Restrictive Models

#### **Lesson 3: Designing Permissive and Restrictive DTDs**

Defining Elements  
Attribute List Declaration Data Types  
Additional DTD Syntax

#### **Lesson 4: Designing Modular DTDs**

Entity Declarations  
Writing Modular DTDs

#### **Lesson 5: Validating XML**

Automated Validation

#### **Appendix A: DTD Syntax**

Element Quick Reference