



Course Description

MISMO® XML Primer

Course Purpose

This hands-on course is designed for business and technology professionals who are currently (or who may soon be) involved in the consideration, planning, and/or development of a MISMO-based project. The course provides a detailed introduction to XML and Schema using examples and a walk-through of the MISMO 3.3 Reference Model. This course is intended to bridge the technical gap of business users moving from Course II (MISMO Implementation Framework – Case Study Part 1) to Course 3 (MISMO Implementation Framework – Case Study Part 2). It is also designed to assist professionals moving from an XML DTD implementation (e.g., MISMO Versions 2.X) to Schema (e.g., MISMO Versions 3.X).

Course Description

The course is presented in a variety of formats to best meet your needs.

- 1) **Instructor-Guided Online Format:** A blend of self-study and instructor-guided learning, all from the comfort of your own desk. The course includes live webinars, lasting two hours each, on 2 separate days. This will allow for participant interaction with the instructor and other industry experts. Course activities also include readings, homework activities, quizzes, and online discussions. Students who successfully complete the course will be issued a certificate of completion for their training transcript.
- 2) **Live Classroom Format:** On occasion, MISMO will offer the course in a live format with instructors and attendees together. For more information on when the XML Primer is offered in a live format, see [the comprehensive schedule](#) posted on the MISMO website or send an email to info@mismo.org.

Course Topics include:

- What is XML?
- What are the benefits of using XML?
- Differentiating mark-up and character data from data content
- Exploring XML elements (e.g., with data; empty elements; valid / invalid elements; parent / child elements)
- How to use XML attributes to describe data properties
- Understanding XML documents including root elements, the parent and child hierarchy, processing instructions and reserved characters
- Using XML namespaces to avoid element and attribute name conflicts
- Introduction to XML schema basics including structure, root element, predefined types, complex types, sequence and choice grouping, and attributes
- Using XPATH to find information in an XML document
- Discovering XML software tools and useful features



- Introduction to the MISMO version 3.3 Reference Model
- Walk-through of the MISMO version 3.3 XML schema

Course Objectives

By the end of this course, you will be able to:

- List the benefits of using XML versus other data formats
- Differentiate mark-up and character data from data content
- Use a variety of XML element types in order to create a message
- Use XML Attributes to describe data properties
- Describe key concepts associated with XML documents
- Use XML namespaces to avoid element and attribute name conflicts
- Understand XML schema basic concepts
- Relate XML schemas to XML instance documents
- Use XPATH to find information in an XML Document
- Navigate within the MISMO version 3.3 XML schema

How It Works

To achieve a certificate of completion, participants are required to complete course activities.

Course requirements include:

- Completing course exam with a score of 75% or higher
- Completing any required homework

MISMO would like to recognize the members of the [MISMO Education Committee](#) for developing and supporting MISMO's educational programs.

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