

XHTML: Authoring and Design Techniques

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Course Length: 1 day (6+ hours)

Prerequisites: HTML 4.0 Level 1

What's in XHTML: Authoring and Design Techniques:

This ILT Series manual for XHTML Authoring & Design Techniques is designed for students with HTML and CSS experience and provides the skills and knowledge necessary to develop more standards-compliant Web sites for greater efficiency, accessibility, and forward-compatibility. The manual is designed for quick scanning in the classroom and filled with interactive exercises that help ensure student success.

Objectives

- Identify the rules of XHTML authoring, determine which DTD is best for a given project, create and validate a simple XHTML document, and convert existing HTML pages to XHTML.
- Identify the significance and advantages of structured, self-descriptive markup, define content sections with the element and id attribute, apply CSS styles to an id, and use classes to create custom elements.
- Determine the most appropriate location for a given style; define custom default elements; control the display status of an element; write efficient CSS code; apply borders, padding, and margins; and apply font and text styles.
- Embed an image, write effective alternative text, use background images to create consistent and efficient design components, create intradocument links and contextual style, provide links to essential resources, and embed Flash movies in an XHTML document while preserving document validity.

Topic-Level Outline

Unit 1 : XHTML overview

*Topic A: * Introduction to XHTML*

A-1: Discussing HTML and XHTML

A-2: Exploring the syntax rules of XHTML

A-3: Identifying well-formed code

A-4: Discussing the advantages of authoring with XHTML

*Topic B: * XHTML DTDs*

B-1: Choosing the right DOCTYPE

B-2: Creating a basic XHTML document

B-3: Validating an XHTML document

*Topic C: * Converting HTML to XHTML*

C-1: Converting an HTML document to XHTML

Unit 2 : Structured and descriptive markup

*Topic A: * Well-structured documents*

A-1: Discussing structured, logical markup

A-2: Applying structured and logical markup

*Topic B: * Customized structures*

B-1: Defining customized content sections

B-2: Applying styles to ids

*Topic C: * Classes*

C-1: Creating classes

Unit 3 : Markup and style techniques

*Topic A: * Techniques that promote efficiency*

A-1: Applying global and document-specific styles

A-2: Customizing default element styles

A-3: Controlling an element's display status

A-4: Exploring style sheet efficiencies

*Topic B: * Box styles*

B-1: Applying borders

B-2: Controlling padding and margins

B-3: Applying negative margins and auto margins

*Topic C: * Text styles and techniques*

C-1: Applying font styles

C-2: Applying text styles

C-3: Applying the font shorthand

Unit 4 : Images, links, and Flash

*Topic A: * Image techniques*

A-1: Embedding an image in an XHTML document

A-2: Writing effective alternative text

A-3: Applying background images and modifying display properties

*Topic B: * Link techniques*

B-1: Linking to an id

B-2: Applying link styles contextually

B-3: Linking to essential resources

*Topic C: * Flash in XHTML documents*

C-1: Embedding Flash in an XHTML document

Unit 5 : Advanced tables

*Topic A: * Data table design and structure*

A-1: Defining and styling row groups

A-2: Defining column widths

A-3: Controlling data alignment in table cells

A-4: Defining and styling column groups

A-5: Customizing table borders

*Topic B: * Scrollable tables*

B-1: Creating a scrollable table