
HTML Web Authoring-Level 3

Course Description

Course Overview: This course is designed to introduce developers to the elements, attributes, and development techniques of HTML 4.01, particularly those elements and attributes that are only supported by Netscape Navigator 6.0 and later and Microsoft Internet Explorer 6.0 and later. Many elements and attributes in HTML 4.01 have rarely been used due to lack of browser support. These new features add a new level of power, flexibility, and accessibility to Web documents. With the introduction of more standards-compliant browsers, developers can now use these new techniques to build more efficient, usable, and standards-compliant Web sites. This course was developed using Netscape Navigator 6.1 (preview release), and Internet Explorer 6.0 (beta). To complete this course, you must have at least one of these browsers installed on your machine—preferably Netscape Navigator 6.1 (or later) and Internet Explorer 6.0 or later. Using browsers older than these will produce inconsistent results or no results at all, since the elements and attributes covered in this book are only supported in the more standards-compliant generation of browsers. Also, data files will not be displayed as intended, since most are built with HTML 4.0 and CSS markup. To complete this course successfully, you must use the latest browsers available. The sample files in this course are not necessarily intended as design suggestions or principles. The sample files are meant to provide the student with solutions that are easy to grasp, and to a certain extent, represent realistic applications. The concepts and tasks in this book are designed to be completed sequentially. Each topic builds on previous experience, so it makes sense to complete the tasks in the order they appear. You might want to skip certain tasks if you are already familiar with the material, but in some cases, this might lead to different results than you'll see in the screenshots throughout the book. Some of the files for this course have “solution files” that you can use to check your work if you're not sure how to proceed in a task. These files begin with “x”, followed by the name of the file they're associated with.

Prerequisites: To ensure your success, we recommend you first take the following courses or have equivalent knowledge:

- *HTML 4.01: Web Authoring, Level 1:*
- *HTML 4.01: Web Authoring, Level 2:*

You should also have intermediate-level experience with Cascading Style Sheets (CSS). Because HTML 4.0 and CSS are woven together, it's important to learn the syntax, properties, and values involved with CSS to get the most out of your design implementations. If you don't have intermediate-level experience with CSS, we strongly recommend you first take the following course:

- *Web Development with Cascading Style Sheets.*

Performance-Based Objectives

Lesson objectives help students become comfortable with the course, and also provide a means to evaluate learning. Upon successful completion of this course, students will be able to:

- Apply logical elements to documents and use CSS to attach style rules.
- Create accessible links with additional functionality.
- Create advanced forms with enhancements for usability, accessibility, and style.
- Create advanced table structures with enhancements for usability, accessibility, and style.
- Create inline frames and modify their appearance and functionality.
- Use the DOCTYPE switch to get the most out of current standards support without affecting older pages.

Course Content

Lesson 1: Applying Logical Markup

- Topic 1A: Overview of HTML 4.0; Logical Markup
 - Task 1A-1: Applying Logical Markup
- Topic 1B: Phrase Elements with Style
 - Task 1B-1: Overriding Default Element Styles

Lesson 2: Link Attributes and Techniques

- Topic 2A: Enhancing Links
 - Task 2A-1: Setting the Tab Order for Links
 - Task 2A-2: Creating and Indicating Link Access Keys
- Topic 2B: Linking Techniques
 - Task 2B-1: Exploring <base>Tag Functionality
 - Task 2B-2: Creating Internal Links with IDs

Lesson 3: Advanced Forms

- Topic 3A: Fieldsets and Legends
 - Task 3A-1: Grouping Form Elements
 - Task 3A-2: Adding Style to a Fieldset
 - Task 3A-3: Applying The Button Element
 - Task 3A-4: Exploring Dynamically Disabled Form Elements
- Topic 3B: Form Labels and Access Keys
 - Task 3B-1: Explicitly Labeling Form Controls
 - Task 3B-2: Creating Form Access Keys
 - Task 3B-3: Indicating Form Access Keys
- Topic 3C: Option Groups and Labels
 - Task 3C-1: Creating Option Groups
 - Task 3C-2: Styling Option Groups

Lesson 4: Advanced Tables

- Topic 4A: Table Summaries and Captions
 - Task 4A-1: Creating Table Summaries and Captions
- Topic 4B: HTML 4.0 Table Structures
 - Task 4B-1: Defining Columns and Column Groups
 - Task 4B-2: Applying Proportional Column Widths
 - Task 4B-3: Creating Row Groups
- Topic 4C: Table Design Techniques
 - Task 4C-1: Creating a Fixed-layout Table

Task 4C-2: Creating a Scrolling Table
Task 4C-3: Creating Custom Table Borders

Lesson 5: Inline Frames

Topic 5A: Creating Inline (Floating) Frames
Task 5A-1: Creating an Inline Frame
Task 5A-2: Linking to an Iframe

Lesson 6: Document Types And The Doctype “Switch”

Topic 6A: Overview of the DOCTYPE Element
Task 6A-1: Exploring Doctype Declarations
Topic 6B: Doctype Switching
Task 6B-1: Observing the Doctype Switch in Action