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Learning Solutions



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## HTML 4.01: Web Authoring (Second Edition)

### Course Specifications

Software: Windows 95, 98, 2000, Me, or XP.

Course length: 3-day

Tuition: \$960

## DAY-1

**Course Description:** If you have surfed the Internet, you undoubtedly have an idea of what Web pages are and have seen some of their capabilities and limitations. However, merely using the World Wide Web will not give you an understanding of how these pages are created. HTML 4.01: Web Authoring, Day 1 (Second Edition) is the first of three courses on the topic of creating Web pages with Hypertext Markup Language (HTML). This course presents the basics of this foundational Web technology and enables you to create your own functional pages.

**Course Objective:** You will create, modify, and test Web pages.

**Target Student:** HTML 4.01: Web Authoring, Day 1 (Second Edition) is a hands-on instructional tool that lays the foundation for mastering this Web publishing language. It is a course intended for students who are interested in learning about how to create Web documents. Students who want to learn HTML for their own personal use or for business related purposes will all benefit equally.

**Prerequisites:** To ensure your success, we recommend you possess the following: experience with Windows or Mac OS operating systems, mouse and word processing skills, and previous use of the Internet.

**Delivery Method:** Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

### Performance-Based Objectives

Upon successful completion of these course, students will be able to:

- create a simple Web page.
- add structure to content.
- create links to Web pages.
- modify the appearance of text.
- create a data table.

### Course Content

#### Lesson 1: Creating a Web Page

Topic 1A: Create a Global Structure

Topic 1B: Add a Page Title

Topic 1C: Modify the Page Background

Topic 1D: Create Paragraphs

Topic 1E: Embed Images

#### Lesson 2: Structuring Content

Topic 2A: Create Headings

Topic 2B: Create Lists

Topic 2C: Notate Code

Topic 2D: Insert Horizontal Rules

Topic 2E: Control Line Breaks

Topic 2F: Group Elements

#### Lesson 3: Linking Web Pages

Topic 3A: Create Local Links

Topic 3B: Create Remote Links

Topic 3C: Create Image Links

#### Lesson 4: Formatting Text

Topic 4A: Apply Bold and Italics

Topic 4B: Modify Font Styles

Topic 4C: Create an Embedded Style Sheet

Topic 4D: Insert HTML Entities

#### Lesson 5: Creating Tables

Topic 5A: Create the Table Body

Topic 5B: Create Table Headers

Topic 5C: Modify the Table Structure

Topic 5D: Align Table Content

Topic 5E: Modify Table Background Colors

## DAY-2

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### HTML 4.01: Web Authoring, Day 2 (Second Edition)

**Course Description:** In this course, you will use HTML tables, which you learned how to create in Day 1, to lay out the contents of your Web pages. You will create new and different kinds of hypertext links, expanding on your existing understanding of links between Web pages. You will create forms and add dynamic and multimedia content to your pages in order to increase the interactivity and appeal of your Web pages. And, you will apply Cascading Style Sheets (CSS) formatting to elements in new ways and harness the true power of CSS by applying the same styles to multiple documents.

**Course Objective:** You will design Web pages by creating table-based layouts, navigation elements, and forms, and you will enhance pages by applying Cascading Styles Sheets formatting and adding dynamic content.

**Target Student:** Persons who already know how to create basic Web pages that want to increase the complexity of their layouts and navigation, create forms, and enhance their pages with basic CSS and dynamic content.

**Prerequisites:** To ensure your success, we recommend you first take the following Element K course or have equivalent knowledge:

- HTML 4.01: Web Authoring, Day 1 (Second Edition)

**Delivery Method:** Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

#### **Performance-Based Objectives**

Upon successful completion of this course, students will be able to:

- position content on a Web page by using tables.
- create links used to navigate and communicate.
- separate the stylistic elements of a Web page from its structure and apply Cascading Style Sheets (CSS) formatting to those elements.
- create Web forms.
- add dynamic content to a Web page.

#### **Course Content**

##### **Lesson 1: Creating a Page Layout Using Tables**

- Topic 1A: Create a Layout Table
- Topic 1B: Embed Images in Tables
- Topic 1C: Modify Table Spacing
- Topic 1D: Create an Image Quilt
- Topic 1E: Nest Tables

##### **Lesson 2: Creating Links**

- Topic 2A: Create Email Links
- Topic 2B: Specify a Default File Path
- Topic 2C: Create Bookmark Links
- Topic 2D: Create Image Maps

##### **Lesson 3: Separating Structure and Presentation**

- Topic 3A: Apply Logical Markup
- Topic 3B: Use Class Selectors to Apply Styles
- Topic 3C: Share Styles Across Documents with External Style Sheets
- Topic 3D: Format Elements with Inline Styles
- Topic 3E: Account for Cascade and Inheritance When Setting Styles

##### **Lesson 4: Creating Forms**

- Topic 4A: Create a Basic Form
- Topic 4B: Radio Buttons and Checkboxes
- Topic 4C: Create Text Areas
- Topic 4D: Create Select Lists
- Topic 4E: Create Graphical Buttons

##### **Lesson 5: Adding Dynamic Content**

- Topic 5A: Automatically Refresh Pages
- Topic 5B: Create an Image Rollover
- Topic 5C: Embed a Flash Movie
- Topic 5D: Embed a QuickTime Movie
- Topic 5E: Embed a Java Applet

## DAY-3

### HTML 4.01: Web Authoring, Day 3 (Second Edition)

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**Course Description:** At this point, you have a well-rounded set of skills for creating Web pages. HTML 4.01: Web Authoring, Day 3 (Second Edition) is the third and final course on the topic of creating Web pages with HyperText Markup Language (HTML). Its purpose is to show you a lot of the undervalued aspects of the HTML language that will not only help the majority of your users have the best possible experience, but it should also help you stand out among other Web authors.

**Course Objective:** You will use CSS properties and HTML elements to enhance the usability and professionalism of Web pages.

**Target Student:** Persons who can perform the tasks necessary to create most Web pages, but want to enhance the usability and professionalism of their Web pages.

**Prerequisites:** HTML 4.01 Web Authoring, Day 1 (Second Edition) and HTML 4.01 Web Authoring, Day 2 (Second Edition).

**Delivery Method:** Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

#### **Performance-Based Objectives**

Upon successful completion of this course, students will be able to:

- modify hypertext links to extend their power and flexibility.
- enhance the organization, functionality, and appearance of Web forms.
- create and format data tables that load faster than tables with “traditional” structure elements and are more accessible to non-visual browsers. You will also enhance the visual distinction between table rows and columns by modifying table borders.
- position content on a Web page using frames.
- prepare a site to be published on the Web.

#### **Course Content**

##### **Lesson 1: Modifying Links**

- Topic 1A: Modify Default Link Styles
- Topic 1B: Set a Tabbing Order
- Topic 1C: Define Access Keys
- Topic 1D: Create an Email Link with Default Content

##### **Lesson 2: Enhancing Forms**

- Topic 2A: Organize Form Elements
- Topic 2B: Create Categorized Drop-down List Options
- Topic 2C: Control Form Element Access

##### **Lesson 3: Enhancing Data Tables**

- Topic 3A: Create Columns
- Topic 3B: Create Row Groups
- Topic 3C: Add a Summary and Caption
- Topic 3D: Create a Scrolling Table
- Topic 3E: Create Custom Table Borders

##### **Lesson 4: Creating a Page Layout Using Frames**

- Topic 4A: Create a Frameset Document
- Topic 4B: Modify Frame Borders
- Topic 4C: Specify Frame Targets
- Topic 4D: Create Inline Frames

##### **Lesson 5: Preparing to Publish a Web Site**

- Topic 5A: Help Users Find Your Site
- Topic 5B: Validate an HTML Document
- Topic 5C: Choose a Web Host