

# HTML Fundamentals

## Overview

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: Fundamentals is the first of two courses on the topic of creating Web pages with Hypertext Markup Language (HTML). The first day of this course presents the basics of this foundational Web technology and enables you to create your own functional pages.

On day two, 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 create, modify, and test Web pages. You will also 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

HTML 4.01: Fundamentals 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 this 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.
- 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

### Day 1

#### 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

#### 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

