

Course Overview

In this 2-day course, you will be introduced to the tools available for creating and publishing a Web page, including Cascading Style Sheets. You will learn how to create a HTML (HyperText Markup Language) document, format text with HTML and add local and remote links. You will also learn how to add graphics to a page, create tables in HTML and set background and text colors. You will learn proper techniques for designing an attractive page that loads quickly into Web browsers. You will learn how to identify style sheets of various types, understand the advantages and risks of designing with style sheets and how to apply correct style sheet syntax. You will learn how to apply CLASS and ID selectors to customize styles, how to use the DIV and SPAN elements to construct styles, and how to create an external style sheet and link documents to it. You will learn the rules of the cascade and how to create cascading styles. You will also learn how to style text with typographical properties, including alignment, indentation, spacing and other font characteristics. You will learn how to apply text and background colors with a variety of methods, and other background techniques, such as controlling background tiling and position. Additionally, you will learn how to control margins, borders, and padding of page elements, and how to create floating elements and list styles. You will learn how to apply positioning properties to control page layout by absolute and relative coordinates, and how to control the width and overflow, as well as layering of page elements. Finally, you will learn how to create styles that break down gracefully, such as dynamic hyperlinks and cursor styles, and how to apply filters and contextual styles.

Course Preparation

Prerequisite: *Windows Level 1* or equivalent experience, and some Web browsing experience.

Course Topics

Overview of HTML

- Introduction to HTML
- Using a Browser
- Viewing Source Code
- Syntax of HTML
- Creating an HTML Document using Notepad
- File Naming Conventions
- Modifying HTML Files
- Reloading or Refreshing a File in the Browser
- Adding Comments

Formatting Text with HTML

- Document Formatting
- Creating a Paragraph
- Creating a Heading Paragraph
- Changing Paragraph Alignment
- Creating a List
- Setting Character Attributes
- Changing Font Characteristics

Setting Body and Background Attributes

- Setting Background Colors
- Setting Background Graphics
- Setting Text and Link Colors

Adding Local, Remote and Mailto Hyperlinks

- Adding Local Links
- Adding Remote Links
- Inserting Bookmarks
- Email Access

Adding Graphics

- Linking to Graphics
- Embedding Graphics
- Using a Graphic as a Link
- Adding Horizontal Rules
- Adding Special Characters

Introduction to Creating Tables

- Creating a Table
- Modifying Tables
- Aligning Tables and Cells
- Adjusting Column Width and Row Height
- Adding Graphics to Cells of a Table
- Merging Cells Across Columns and Rows

Overview of Style Sheets

- Introduction to Cascading Style Sheets (CSS)
- Designing with Style Sheets
- Style Sheet Syntax

Creating Rules

- Applying Class and ID Selectors
- The DIV and SPAN Elements
- Linked (External) Style Sheets

Conflicting Rules: The Cascade

- Rules in Conflict; Cascading Order

Text and Font Properties

- Typographical Properties
- Font Properties

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Applying Colors and Backgrounds

- Applying Colors
- Background Techniques

Box Properties

- Formatting with the Box Model
- Borders
- Floating Elements
- Styling Lists

CSS Positioning

- Positioning Elements Absolutely and Relatively
- Layering Elements with the Z-Index Property

Design and Usage Techniques

- Applying CSS Wisely
- Dynamically Linked Style Sheets
- Contextual Selectors
- Validating and the Future of CSS

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