

Soft-Train



*At Soft-Train
Technology Works*

Working with Cascading Style Sheets (4 Days) ST80015

COURSE GOAL: The goal of this course is to give students an understanding of using CSS to control the look and the feel of websites. It will show them the control which can be obtained by using CSS.

PREREQUISITES: Understanding of basic website design..

LEARNING OBJECTIVES:

Upon completion of this course the student will be able to:

- Create a Website by using CSS
- Understand how CSS interacts to control the look of the Website
- Control specific elements on a webpage by using CSS
- Control the layout of the page by using CSS

KEY TOPICS:

I. Rethinking HTML for CSS

- A. HTML: Past and Present
- B. Writing HTML for CSS
- C. The Importance of the Doctype
- D. Getting the Most out of Internet Explorer 8

II. Creating Styles and Style Sheets

- A. Anatomy of a Style
- B. Understanding Style Sheets
- C. Internal Style Sheets
- D. External Style Sheets
- E. Tutorial: Creating Your First Styles

III. Selectors: Identifying What to Style

- A. Tag Selectors: Page-Wide Styling
- B. Class Selectors: Pinpoint Control
- C. ID Selectors: Specific Page Elements
- D. Styling Groups of Tags
- E. Styling Tags Within Tags
- F. Pseudo-Classes and Pseudo-Elements
- G. Advanced Selectors
- H. Tutorial: Selector Sampler

IV. Saving Time with Style Inheritance

- A. What Is Inheritance?
- B. How Inheritance Streamlines Style Sheets
- C. The Limits of Inheritance
- D. Tutorial: Inheritance

V. Managing Multiple Styles: The Cascade

- A. How Styles Cascade
- B. Specificity: Which Style Wins
- C. Controlling the Cascade
- D. Tutorial: The Cascade in Action

VI. Formatting Text

- A. Formatting Text
- B. Changing Font Size
- C. Formatting Words and Letters
- D. Formatting Entire Paragraphs
- E. Styling Lists
- F. Tutorial: Text Formatting in Action

VII. Margins, Padding, and Borders

- A. Understanding the Box Model
- B. Control Space with Margins and Padding
- C. Adding Borders
- D. Coloring the Background
- E. Determining Height and Width
- F. Wrap Content with Floating Elements
- G. Tutorial: Margins, Backgrounds, and Borders

VIII. Adding Graphics to Web Pages

- A. CSS and the Tag
- B. Background Images
- C. Controlling Repetition
- D. Positioning a Background Image
- E. Using Background Property Shorthand
- F. Tutorial: Enhancing Images
- G. Tutorial: Creating a Photo Gallery
- H. Tutorial: Using Background Images

IX. Sprucing Up Your Site's Navigation

- A. Selecting Which Links to Style
- B. Styling Links
- C. Building Navigation Bars
- D. Advanced Link Techniques
- E. Tutorial: Styling Links
- F. Tutorial: Creating a Navigation Bar

X. Formatting Tables and Forms

- A. Using Tables the Right Way
- B. Styling Tables
- C. Styling Forms
- D. Tutorial: Styling a Table
- E. Tutorial: Styling a Form

XI. Introducing CSS Layout

- A. Types of Web Page Layouts
- B. How CSS Layout Works
- C. Layout Strategies

XII. Building Float-Based Layouts

- A. Applying Floats to Your Layouts
- B. Overcoming Float Problems
- C. Handling Internet Explorer 6 Bugs
- D. Tutorial: Multiple-Column Layouts
- E. Tutorial: Negative Margin Layout

XIII. Positioning Elements on a Web Page

- A. How Positioning Properties Work
- B. Powerful Positioning Strategies
- C. Tutorial: Positioning Page Elements

XIV. CSS for the Printed Page

- A.** How Media Style Sheets Work
- B.** How to Add Media Style Sheets
- C.** Creating Print Style Sheets
- D.** Tutorial: Building a Print Style Sheet

XV. Improving Your CSS Habits

- A.** Adding Comments
- B.** Organizing Styles and Style Sheets
- C.** Eliminating Browser Style Interference
- D.** Using Descendent Selectors
- E.** Managing Internet Explorer Hacks

XVI. CSS 3: CSS on the Edge

- A.** An Overview of CSS 3
- B.** CSS 3 Selectors
- C.** Opacity
- D.** RGBA Color
- E.** Text Shadow
- F.** Font Freedom
- G.** Generated Content