



Computer Consultants Corporation

HTML Web Development

Advanced

Length of course: 1 class day (6 hours)

Objective(s): This class expands on concepts learned in the introduction to HTML. By the time students finish this class, they will be able to create fill-in forms, build Cascading Style Sheets for formatting, include media files, use frames for page layout, and use basic JavaScripts.

Prerequisites: Introduction to HTML Web Development, or equivalent knowledge.

Inserting META tags

- What Meta information contains
- Assigning descriptions and keywords
- Inserting author, copyright, and generator info
- Redirecting users to another page
- Controlling search engine indexing

Advanced Table Formatting

- Merging cells
- Row and column groups
- Controlling borders with frames and rules
- Nesting tables

Defining Image Maps

- Defining image maps
- Defining in a graphical editor
- Defining in a text editor
- Assigning a map to an image

Embedding media files

- QuickTime video
- RealAudio/RealVideo
- Java applets
- Flash documents
- Sounds

Cascading Style Sheets

- Introduction to CSS
- Internal vs. external style sheets
- Style sheet syntax
- Redefining HTML tags vs. using classes
- Assigning a style to a page element
- Formatting text and layout using styles
- Style definition precedence

Working with Frames

- Design considerations with frames
- Defining a frame document
- Inserting pages into a frameset
- Setting frame attributes
- Targeting links to a specific frame

Building Fill-in Forms

- Defining the form area
- Inserting form elements
 - Text boxes/areas
 - Radio buttons and check boxes
 - Drop-down menus and lists
 - Image and file fields
 - Hidden fields
 - Submit and reset buttons
- Setting form element attributes
- Defining the form method (Get vs. Post)
- Defining the form action

Introduction to JavaScript

- The difference between JavaScript and HTML
- Writing a basic script
- Assigning a JavaScript to a link
- Calling a script on an action
- Validating a form
- Determining what browser a visitor is using
- Displaying an error message
- Changing the text of the status bar
- Creating image rollovers