



HTML5 - Advanced

Course Aim

Plan a Web site project, control a browser's rendering mode, set character encoding and document language, comment their code effectively, ensure basic HTML5 support in old browsers, take advantage of semantic structural elements, and create page titles and descriptions that are optimized for search engine results pages (SERPs) and for other Web sites.

Create interactive forms, set input field properties, define option groups, create data lists, enable spelling checks, create required fields, validate user data by using regular expressions, create and format fieldsets and legends, and identify best practices in form design.

Embed native audio and video that work in all HTML5-supporting browsers, enable user controls, set audio and video properties, create a poster image, and embed videos hosted externally.

Format elements based on their location in the document structure to avoid having to introduce new HTML, incorporate special fonts by using the Google Web Fonts API, apply shadow effects, and insert and format generated content.

Create editable content, implement a script that saves user data in local storage, format an editable region, and rotate an element.

Course Prerequisites

HTML 4.0: Basic, or equivalent experience.

Course Duration:

One day: 9:00am - 4:30pm

Inclusions:

Each participant will receive a comprehensive course manual and CD-ROM containing relevant exercise files.

What to Bring:

- Note pad & Pen.
- Examples of work from the office.
- Participants are encouraged to bring along a USB flash drive if they want copies of the work done during class.

Course Topics:

Authoring guidelines

- Planning a Web site
- HTML5 authoring
- Content organization and structure
- Basic SEO

HTML5 Forms

- Interactive forms
- Form layout
- Data Validation and Error Feedback
- Form styles
- Design Considerations

Audio and Video

- Embedding native audio
- Embedding native video

CSS Techniques

- Styles that improve efficiency
- Fonts in the cloud
- Generated content

Local storage and site testing

- Editable content and local storage
- Site testing basics