

101 - Fundamentals of HTML, XHTML & Cascading Style Sheets

Introduction to (X)HTML and Markup

- What is Hypertext Markup Language (HTML)
- Why are Web documents published in (X)HTML?
- How does XHTML differ from HTML?
- Exercise 0: Downloading and Editing Lab Files

The Basic Structure of HTML Documents

- Setting up an HTML Document
- DOCTYPEs: What are they?
- Valid HTML and XHTML DOCTYPEs
- Language Declaration
- The Template
- Validation

Marking Up Your Text

- and Tags
- Heading tags
- Unordered (bulleted) and Ordered (numbered) lists
- Lists – Definition Lists
- Adding special characters to your pages

XHTML 1.0 (and HTML 4.01)

- History of HTML and XHTML
- Legacy Methods
- Browser Independence
- Rules for Valid XHTML
- Why Writing XHTML Is Writing HTML
- Summary

Why a Web-Standards Approach?

- What is Accessibility?
- Introduction to Cascading Style Sheets
- Introduction to JavaScript

More Marking Up Your Text

- Structural vs. Presentational Tags
- Sectioning with <div> and

Links

- An Example
- Relative vs. Absolute Addressing
- Inserting a link to another location on the same page

- Adding a link to this location from another document
- Additional Link Attributes
- When an http:// URL does not specify an HTML file
- Adding links to video, sound, downloadable files, and more

Images

- Resizing Images
- Characteristics of the GIF graphic file format
- Characteristics of the JPEG graphic file format
- Characteristics of the PNG graphic file format
- The relationship between graphic size and download time
- The alt attribute of the tag

Structure of Cascading Style Sheets

- Selector – Property - Value
- Where Do CSS Rules Go?
- More Possibilities with Selectors

The Cascade: Inheritance and Precedence

- Precedence
- Inheritance
- Where Do CSS Rules Go? Embedded Style Sheets
- One More Place Where CSS Styles Go
- @import
- @media

More on Selectors

- Descendant Nodes
- Other Descendant Selectors
- Pseudo-Element Selectors

Classes And Ids

- Classes
- ID
- When Should I Use Which Selector?

Measurements in CSS

Text Properties

- text-indent
- text-align
- text-decoration
- letter-spacing
- word-spacing
- text-transform

- white-space
- line-height
- Summary

Font Properties

- font-family
- font-style
- font-variant
- font-weight
- font-size
- font

CSS: Colors and Backgrounds

- Color
- Background Images
- Summary

ListsError! Bookmark not defined.

- list-style-type
- list-style-position
- list-style-image
- list-style

The CSS Box Model

- width and height
- padding, padding-left, padding-right, padding-top, padding-bottom
- border properties
- margin, margin-top, margin-right, margin-bottom, margin-left
- overflow
- Summary

CSS Page LayoutsError! Bookmark not defined.

- float
- clear
- Column layouts with float and clear
- positioning
- display

TablesError! Bookmark not defined.

- Creating a Data Table
- An Example:
- Using CSS to Enhance tables
- Summary

[Appendix A: Special Characters](#)

[Appendix B: Color Values and Their Hex Triplet Equivalents](#)

[Appendix C: More On Accessibility](#)

- W3C WCAG Guidelines
- WCAG 1.0 Priorities
- § 1194.22 Web-based Intranet and Internet Information and Application Standards

[Appendix D: Legacy Frames](#)

[Appendix D.1: An Introduction to Frames](#)

- Frames: Creating the main document
- The <frameset> Tag
- The *cols* and *rows* attributes of <frameset>
- The <frame> tag
- Additional attributes of the <frame> tag
- Additional attributes of the <frameset> tag (for older browsers)
- Using nested framesets for complex layouts
- The Doctype for framesets
- The <noframes> tag

[Appendix D.2: Adding Links Between Frames](#)

- The <base target> tag
- Additional options for linked windows
- Magic target names
- Changing the color of frame borders

[Appendix D.3: Inline Frames](#)

[Appendix E: Websites and Resources](#)