

It All Starts With HTML5/CSS3

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HTML5

- I. Greetings and Introductions
- II. Brief History of HTML
- III. HTML Syntax
 - A. Tag Structure Open/Close
 - B. Attributes and Values
 - C. Self Closing Tags
- IV. Structure and Content
 - A. HTML is for Structure and Content – The Bones
 - B. CSS is for Styling and Layout – The Skin
 - C. Programming Languages – The Muscles
 - D. The Database – The Brains
- v. Nesting and the DOM
 - A. The Important Concept of Nesting
 - B. The Document Object Model (DOM)
 - i. Parents
 - ii. Children
 - iii. Siblings
- VI. A Little About Text Editors
 - A. Free Downloads Available

B. Syntax Highlighting

C. Line Numbering

VII. Coding Our First HTML Document

A. DOCTYPE, HTML, Head and Body Tags

B. Page Wrapper or Container

C. Setup the Main Sections of the Page

i. Structure the Main Header

ii. Structure the Main Nav

iii. Structure the Sidebar

iv. Structure the Main Content Area

v. Structure the Footer

D. Lorem Ipsum as Content Placeholder

VIII. HTML Forms

A. The Form Tag and Attributes

B. Fieldset and Legend Tags for Grouping

C. Using the Label Tag

D. The Input Tag and It's Various Types

E. Textarea and Select Tags

IX. HTML Tables

CSS3

I. CSS Syntax

A. Selecting HTML Elements

i. Select by Tag Name

ii. Select by ID [#]

iii. **Select by Class [.]**

B. Define a Group of CSS Properties [{}]

C. Setting Properties and Values

i. **Property Names Always Lower Case [:]**

ii. **Multiple Word Properties [-]**

iii. **Values and Units [;]**

II. CSS Reset

III. Setting Up Defaults and Page Container

A. Begin by Styling the Body Tag

i. **Set Default Font Properties**

ii. **Background Colors and Images**

B. Center the Page Container Selecting by ID

C. Defaults for Text Tags

i. **Style the Heading Tags**

ii. **Style the Anchor Tags**

IV. Laying out the Header

A. The 4 Positions

B. Borders as a Developer Tool

C. The Logo: Content or Style?

D. Using the Float Property

E. The Box Model

i. **The Width and Height Properties**

ii. **The Margin Property**

iii. **The Padding Property**

iv. **Borders and Outlines**

F. CSS3 Fun with Text Shadows

v. Interactive Navigation Menus

- A. Horizontal List Without Bullets**
- B. Nav Button Width or Padding?**
- C. Block Elements vs Inline Elements**
- D. Hover State for Interaction**
- E. Inheritance and Nested Drop Down Menus**

vi. CSS for Sidebars and the Main Content Area

- A. More Practice with Margin and Padding**
- B. Defining Properties on a Class**
- C. Using Float with Images**
- D. CSS3 Fun with 3D Borders, Rounded Corners and Drop Shadows**

vii. Setting up the Footer with CSS

- A. The Clear Property for Dynamic Content Loading**
- B. Using Absolute Positioning**
- C. Changing Images with Hover**

viii. Notes on Styling HTML Forms

- A. Use Opposing Floats on Labels vs Inputs**
- B. Attribute Selector for Forms**
- C. Differences in Width on Input vs Select Tags**
- D. Limitations on Form Element Styling**