1. Lesson Introduction

Redwood trees are huge! 380 feet = tallest. Remember the shape of the trees. Basics of HTML.

1. HTML Structure Part 1

HTML elements like heading, h1 is the biggest heading element!

P for paragraph, img for image, span for span. Opening and closing tags form an element, with content between the tags. Closing tags have a / in them. Content is a child of a paragraph.

1. Quiz: Make Your First Element

Span is like a line of text.

<p>This is my paragraph!</p>

<span>My first span!</span>

<span>My second span! These are on the same line below!</span>

Put the elements on their own line for readability. Paragraphs are by themselves, spans are trying to be on the same line. Every type of element will display differently.

1. Environments

Development environment contains all the software and code for your project. Use a text editor to write code. Not Word with rich text, we want plain text. No style, just plain text. IDE = Integrated Development Environment. Apple’s X-Code and Microsoft Visual Studio. IDEs are incredibly useful but browsers run code, no need for compiling.

1. Text Editors

I have Sublime Text 3 and Notepad++ already installed!

1. Browsers

I have Chrome and Firefox!

1. Workflow

Change code inside text editor, save (Ctrl + S), go to browser, open file/refresh.

Eventually Dev tools for live editing, that would be nice!

1. Trees

Parent and two children. I have experience with trees in other languages. Elements belong or are related to each other.

1. HTML and Trees

<div>content</div>

Divs are used to group contents together.

1. Quiz: Spot the Bug

Tags need to be opening and closing. Spelling is more important than the lesson makes it seem. Bad syntax is bad, and order is important.

1. Quiz: HTML Research

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

bold tag = <strong>content</strong>

emphasis tag = <em>content</em>

1. HTML Structure Part 2

DOCTYPE: 99.999% of the HTML you'll write, you’ll likely be fine with <!DOCTYPE html>.

<head>: Describes meta information about the site, such as the title, and provides links to scripts and stylesheets the site needs to render and behave correctly.

<body>: Describes the actual content of the site that users will see.

1. HTML Documents in Depth

[Quirks Mode and Standards Mode](https://developer.mozilla.org/en-US/docs/Web/HTML/Quirks_Mode_and_Standards_Mode)

[Markup Validation Service](https://validator.w3.org/#validate_by_input)

1. Lesson Wrap Up

Yay problem sets!