

INTRO + HTML



TOOLING FOR FEWD



REQUIRED TOOLS

- Slack, for communication
- A text editor; we'll be using VSCode in this class but some popular alternatives include Sublime and Atom.
- Chrome, browser and dev tools for debugging
- Codepen, for coding quick mockups. We'll make our accounts together in a little bit!

Let's take a few minutes to install these now

VSCode: <https://code.visualstudio.com/>

Chrome: google "chrome install" and click the first link and download

Slack: <https://slack.com/downloads/>

RESOURCES

- Stack Overflow, for coding questions
- MDN, for standards reference
- CSS-Tricks.com, for CSS/HTML questions
- CanIUse.com, for browser compatibility checks

HTML

Structure for Web Pages



HTML BASICS

What is HTML? A little history

- Stands for “Hypertext Markup Language”
- HTML was created in 1995 and popularized by the early browser company, Netscape.
- What is a browser? What is a server?
- HTML is one of the 3 key languages in static website development.

Most People Think HTML Is CODE

```
C040: C0 4C 2B C0 AD 00 DC C9 8D    C210: 69 00 8D FD C1 CA D0 DE 41
C048: 6F D0 E0 AD 83 C1 C9 05 2B    C218: 60 AD FD C8 D0 1E EE F9 C4
C050: F0 D9 EE 83 C1 A9 01 8D 87    C220: C8 AD F9 C8 C9 08 D0 14 10
C058: FD C8 AE 83 C1 BD 69 C1 FB    C228: A9 00 8D F9 C8 EE FF 07 18
C060: AA A9 BA 9D 00 D0 A9 86 0E    C230: AD FF 07 C9 E3 D0 05 A9 12
C068: 9D 01 D0 A9 E3 8D FF 07 F9    C238: E0 8D FF 07 AD 19 D0 29 6E
C070: AE 83 C1 AD 15 D0 5D 6F C4    C240: 01 F0 42 8D 19 D0 20 2C 38
C078: C1 8D 15 D0 A9 01 8D FC E2    C248: C1 CE 16 D0 AD 16 D0 C9 1E
C080: C8 9D 75 C1 4C 2B C0 A2 F8    C250: D0 D0 2F EE F9 C1 AD F9 73
C088: 00 BD CF C4 9D 83 06 A9 AB    C258: C1 C9 D8 D0 1A 20 AB C1 35
C090: 01 9D 83 DA E8 E0 21 D0 49    C260: 20 88 C2 AD FE C8 C9 0C 17
C098: F0 60 60 EE FA C8 AD FA A5    C268: 90 03 EE 82 C1 A9 FF 8D 66
C0A0: C8 C9 02 D0 F5 A9 00 8D 33    C270: 83 C1 A9 00 8D F9 C1 20 C8
C0A8: FA C8 AD FC C8 F0 25 AE A4    C278: E5 C1 20 2C C1 A9 D7 8D 3D
C0B0: 83 C1 BD 69 C1 AA DE 01 69    C280: 16 D0 4C BC FE 4C 31 EA D7
C0B8: D0 FE 00 D0 FE 00 D0 EE 18    C288: A2 00 BD 75 C1 D0 03 20 14
C0C0: FB C8 AD FB C8 C9 06 D0 98    C290: 94 C1 E8 E0 06 D0 F3 A2 1E
```


WRONG

It's just a structural skeleton

Something we call a “markdown language”. It is NOT a programming language.

Let's check out some HTML and some features of our text editor

1. Open up VSCode
2. Create a new file called "index.html"
3. Type "!" In the index.html file and hit "tab" on your keyboard
4. Magic! VSCode completes what we called a "scaffold" for a brand new html document so we don't have to type all this stuff ourselves.

HTML BASICS

```
<!DOCTYPE html>
<html>
  <head>
    <title>GA</title>
  </head>
  <body>
    <p>Hey GA!</p>
  </body>
</html>
```

`<html>` tag
ALWAYS encloses
the entire document

`<head>` and `<body>`
tags are where page
content go. The
`<head>` contains
what machines see,
`<body>` is what
people see.

The doctype for all HTML documents is the same:
`<!DOCTYPE html>`. It is
ALWAYS the first item on a page.

ANATOMY OF HTML

Regular Tags

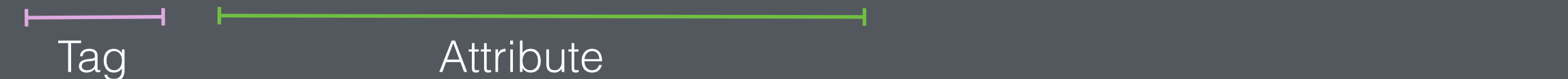
`<p>Hello GA</p>`



Opening Tag Content Closing Tag

Self Closing Tags (Void Tags)

``
``



Tag Attribute

HEAD IN-DEPTH

```
<title>Page title</title>
```

Renders the title of the page in browser tab

```
<link rel="stylesheet"  
href="styles/main.css">
```

Creates link from webpage to stylesheet

BODY TAGS

`<h1>Top-level Heading</h1>`

`<h2>Secondary Heading</h2>`

Heading tags. They can come in sizes of h1 to h6 (h6 being the smallest)

`<p>This is a paragraph</p>`

Paragraph tag - used to display text content in the website.

BODY TAGS

```
<ul>  
  <li>List item</li>  
  <li>Another List item</li>  
</ul>
```

Unordered list with list item. This gives you a list of items with bullet points. If you wanted a number list, used the ordered list tags:

```
<ol>  
  <li>List item</li>  
  <li>Another List item</li>  
</ol>
```

PAUSE - HTML INDENTATION

```
<ul>  
  <li>List item</li>  
  <li>Another List item</li>  
</ul>
```

NOTICE!

When we have an html tag (like the 's here) inside of another html tag (like the 's here). We would call the 's “child” elements of the element. We would call the element the “parent” of the 's.

WHENEVER YOU HAVE CHILDREN HTML TAGS, WE INDENT THEM!

BODY TAGS

a-tags are used for linking pages together:

```
<a href="https://  
google.com">Searchville</a>
```

The “href” is a where you put the url to the website that you want to link to. The content in the tags (i.e. “Searchville”) is the text that the user will click on to get to the url. You can also link to local html files like this:

```
<a href=" ./about.html">About Me</a>
```

BODY TAGS

Creating Structure with <section> tags

Section tags are used to group things together on a page. For example, let's say we have a website that needs to have multiple parts of information that you want to visually section off from each other:

```
<h1>About Me</h1>
```

```
<section>
```

```
  <h3>My Hometown</h3>
```

```
  <p>I was born in a foreign land called Atlantis, no one  
  knows where it is anymore but it was really fun</p>
```

```
</section>
```

```
<section>
```

```
  <h3>My Education</h3>
```

```
  <p>I was raised by wolves so my education wasn't exactly  
  traditional. But I sure do like to dig holes and chase  
  squirrels!</p>
```

```
</section>
```

Notice the indentation!



LAB TIME

FOR NEXT TIME

HW Assignment
Office Hours
Slack Availability