

```
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2
3  Web Development Basics {
4      [and Building a personal
5      website]
6
7      < Lily Davisson >
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```

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# 01 Very Brief Overview of Web Development

- Is included when people say “front-end”
  - You’re responsible for how things look and how you interact with the site, NOT the data
- Can be (but is very rarely) static (unchanging) website building
- More often, also requires working knowledge of Javascript and/or React to create dynamic web pages and web apps
  - People will pay you to build something they can’t build themselves with a no-code tool like Wix!

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# 02 HTML + CSS



## HTML

The structure and content of a website. Think of it almost as the skeleton.



- HTML is not a scripting language. There should not be anything to execute in that file
- Your HTML files become the DOM (Document Object Model) in browsers

## CSS

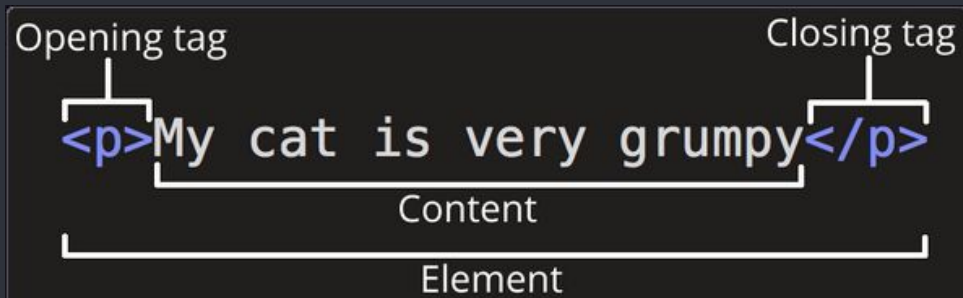
The styling of a website. This includes visuals, determining a layout, and sometimes slight responsiveness and animations.



- It is also not a scripting language
- Your HTML files will link to your CSS files to affect the styling of various HTML elements

# Basic HTML Syntax

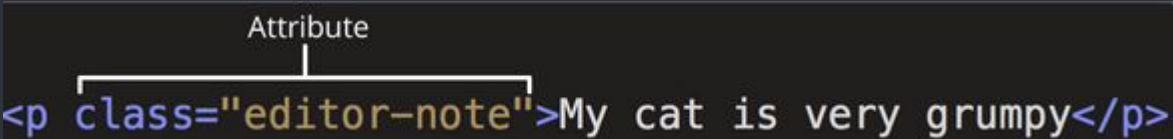
HTML is made up of many elements, which are (usually) written with an opening and closing tag, with content in the middle



From Mozilla's [Getting Started with HTML](#)

# Basic HTML Syntax

More information and functionality can be added to elements by adding attributes. Attributes are included in the opening tag with the following structure:



```
<p class="editor-note">My cat is very grumpy</p>
```

From Mozilla's [Getting Started with HTML](#)

**class:** can be used in CSS to select any number of tags with the given class in HTML

**id:** can be used in CSS to select one element with the given id in HTML

# Basic CSS Syntax

CSS is made up of selectors that have properties and corresponding values.

p: Selector (everything before the curlies)  
color: Property  
blue: Value

```
p {  
  color: blue;  
}
```

From Mozilla's [How CSS is structured](#)



# Basic CSS Syntax

- There are a LOT of different CSS selectors, properties, and possible values!
- You can select based on tag type, position within a document, and more
- When in doubt, refer to the Mozilla docs.
  
- **There is a steep curve with CSS** and learning how to debug what's going on and look up what you want to do is the most important skill you can take from it
  - Use inspector, refer to [Mozilla docs](#) and [CSS tricks](#), look up questions on stack overflow

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# 03 Live Demo



# Setup Instructions

Step 01 Install VSCode

Step 02 Install Live Server extension

Step 03 Optionally follow along with  
completed website, link on website  
and here

Step 04 Code !!