**WEB DEV BOOTCAMP Notes**

HTML: Responsible for *content* on the website

CSS: *styling* of the website, added to html code

JAVASCRIPT: Adding *functionality*

HTML

Imp links: https://developer.mozilla.org/en-US/docs/Web

*Hyper Text* (hyperlinks: pieces of text that can refer to other docs in the website)

*Markup Language* (marking in various ways to highlight different sections of the text)

Defines content ad structure of website

1. Heading element <h>

<h1> Text Here </h1> == Opening tag, Content, Closing tag

|  |
| --- |
| ELEMENT=content + opening & closing tag |

TAGS: enclosed within angular brackets < >

Eg h1

Six levels of section headings- h1(largest) to h6(smallest)

1. Paragraph element <p>

<p> Text Here </p>

LOREM IPSUM🡪 to generate random text

1. Void elements <hr />, <br />, <img src=”url”/>

Elements that do not contain any text

Self closing tags

<hr />🡪 horizontal line

<br />🡪 break element

\_\_\_

<p> | Vfcefgec

Vfcefgec<br /> Vxsgfvav<br /> | == Vxsgfvav

</p> \_\_|

1. List elements

Ordered and unordered list

List item <li> </li>

UNORDERED LIST <ul> </ul>🡪 creates bullets

Structure: <ul>

<li>Milk</li>

<li>Eggs</li>

</ul>

Display:

* Milk
* Eggs

ORDERED LIST <ol> </ol>

Structure: <ul>

<li>Milk</li>

<li>Eggs</li>

</ul>

Display:

1. Milk
2. Eggs
3. Anchor elements <a></a>🡪 add urls

HTML ATTRIBUTES

<tag attribute=value anotherattribute=values>Content</tag>

<a *href*=<https://www.google.com>>This is a link to Google </a>

*Attribute for linking the anchor tag is href*

<ol start= 5> enter text here </ol>

*Start is an attribute to define with num to start list from*

GLOBAL ATTRIBUTES🡪can be added to any element

<a *draggable*=true This is a link to google</a>

1. Image element

<img src= “url”/>

<img src=” <https://picsum.photos/200> “, alt=”Forest scene” />

Set size of the img=200

Attributes: *src🡪* Tells img element about source of the img

*alt🡪 alternative text (used by screen readers)*

1. File Path- Absolute and Relative
   1. Absolute C:/Project//Images/cat.png
   2. Relative

Current location= index.html

Images/cat.png

Up a level= ../essay.docx

Stay in current directory, access file in parent directory= ./dog.png

**WEBPAGES**

*Project*  
 index.html  
 about.html

*Assets*

*Images*  
 cat.png

Access about page from homepage ie index.html  
<a href=”./about.html”>About Page</a>

**HTML Boilerplate**

<!DOCTYPE html>  
<html lang=”en”>  
 <head>  
 //imp info not necessary for user(meta tags)  
 <meta charset=”UTF-8”>  
 <title>My Website</title>  
 </head>

<body>  
 //content of website  
 <h1>Hello World</h1>  
 <img</img>

</body>

</html>

**Web Hosting**

Making a website available on the internet so that anyone from any part of the world can access it.

All files [index.html etc(locally available)] 🡪 web server 🡪 internet

CSS

**C**ascading **S**tyle **S**heets

Style Sheet language

* Cascading Style Sheet
* Sass
* Less etc

3 styles of adding CSS to code:

1. Inline <tag style=”css/> where style is an attribute
2. Internal <style>css</style>
3. External <link href= “style.css/>
4. Inline: apply to single element [TOGGLE SINGLE ELEMENT]  
   <html style= “background:blue”>  
   </html> *[tag attribute= “property\_to\_change: value”]*
5. Internal: apply to 1 html document/ single html block, not for multipage website [TOGGLE SINGLE WEBPAGE]  
   <html>

*Selector: can select n no. of selectors*

<head>

<style>

*CSS*

html {

background: red;

}

</style>

</head>

</html>

1. External css styling: in multipage website, in separate file [TOGGLE ENTIRE WEBSITE ie MULTIPLE WEBPAGES]

**index.html**

<html>

<head>

<link

rel=”stylesheet” //relationship  
 href= “./style.css” //ref location

/>

</head>

</html>

**style.css**

html {

background: green;

}