**Web Fundamentals**

Wednesday January 19, 2022

\*\*\*If you have any GitHub problems, contact Brother Hayes or Kevin\*\*\*

HTML 5 template Activity

Text, whiteboard

Description automatically generated

Example of a valid HTML 5 document

Things that are easily forgotten whiling making an HTML tag

-don’t forget syntax for closing things, like “/”

-forgetting the title tag (title tag is required for an HTML tag)

-spelling

**Wireframes**

When you start a project, it’s important to start with a wireframe. It helps you and your client to be on the same page so you both understand what the final project could look like. Wireframes help plan out what your client wants for their website.

Shape

Description automatically generated

Boxes with x’s = Pictures

Four items across the topic= Navigation

The “vaguer” and less detail there is on your wireframe, the better it will be to communicate with your client so they don’t get hung up on things that can change easily. Like in Brother Hayes examples on the board, instead of writing “home” and different words like that for the navigation, he just uses lines so the client will be able to see more framing rather than detail.

If you have a wireframe to go off of, the easier it will be to design.

A picture containing text

Description automatically generated

Brother Hayes Wireframe example

Sites to create wireframes are Figma.com and Wireframe.cc

After your client has agreed on a simple wireframe, you can then go create a high-quality wireframe, which we won’t end up doing in this class. But If you want to learn more about it, ask Brother Hayes or Kevin.

CREATING WIREFRAME ON VSCODE

Create a hmtl file within “wwr” or your github named “Wireframe-example.html”

If you then type “!” then click tab or enter, it should automatically fill in a basic html file.

Text

Description automatically generated

In the title tag, replace with the Title “wireframe template”

Within the body, create a header tag, which is the box at the top of a website.

Within the header create a div tag, which tells the website it is a box.

Within the div tag you create an image tag, which we will have the random generator that is in the exercise on iLearn. It should look like this. We also changed the image size to 80x80.

<img src=”https://placeimg.com/80/80/animals” />

Image tags also do not have a closing tag, and make sure you are writing “src” NOT “scr”

It should look like this.

Text

Description automatically generated

Under the image, we will create a nav tag, which are links within the navigation bar. <nav>

Within the Nav tag we created a <ul> tag which just means an unordered list, which looks like a bulleted list. Within that create a <li> tag.

Within <li>, create the names of the tags which looks like <a href=’#’>Link</a>. Each one is a different word on your navigation. So copy and past this four times.

Should look like this so far.

Text

Description automatically generated

Open in Live server, should look like this, but probably with a different animal.

Graphical user interface

Description automatically generated with low confidence

After the header within the body we will create a main tag, which is the unique information specific to that page.

Create sections within the main tag that looks like <section>

Create another section within the section

Copy and past the image tag within the section, making them 300 by 300

Create a break after the image so the images are below one another. Make another image that is 60 by 60.

Then create another header that looks like this <h2>Text</h2>

The whole section within the section should say

<section>

<section>

<img src=”https://placeimg.com/300/300/animals” /><br>

<img src=”https://placeimg.com/60/60/animals” /><br>

<h2>Text</h2>

Copy and paste that three times so that there are six images within three sections within the original section within the main.

Text

Description automatically generated

The full HMTL code should look something like this.

Text

Description automatically generated

Text

Description automatically generated

Open in live server to make sure everything looks like this.

Graphical user interface

Description automatically generated with low confidence

Final liver server example (there will be a different picture of a different animal)

**Validation**

How to validate your website on Validator.w3.org

There are three main ways to validate your website. They are Validate by URL, Validate by File Upload, and Validate by Direct Input. Today we are going to use Validate by Direct Input.

Copy and paste ALL your code into the tab named “Validate by direct Input” and should tell our errors.

There should be errors in the image tags because we do not have the “alt” attribute within our tags.

There should also be a warning about how our Sections are lacking headings.