Module 2 - Web Development

HTML – Creating Structure

Overview:

- What is HTML? What can HTML do?
- What is semantics?
- Understanding a typical HTML document?
- How to create hyperlinks in HTML?
- Text formatting (semantics)
- How to add videos and images to a HTML page?
- How to validate your HTML code?

What is HTML?

HTML or HyperText Markup Language is a markup language for web page creation. It is used to add content to web pages, as well as describe the structure of that content (semantics). HTML is a standard of tags and attributes that browsers render to web pages.

Hostinger - HTML Explained

Semantics

Semantic HTML is the use of HTML elements and tags to accurately describe the meaning/semantics of information in web pages.

Why Use Semantic HTML

HTML – Syntax

A HTML document (web page) consists of HTML elements. HTML elements consist of tags and attributes that describe the data/information they contain.

HTML explained – Learn HTML basics in under 10 mins

Reference -Basic HTML

HTML Tutorial – Tags and Elements

List of HTML Tags

HTML – Multimedia and Links

Web Pages can contain different type of content. Usually that's text, but we can also add videos and images. We can also add hyperlinks to other web pages or resources.

How to Insert a Hyperlink in a Web Page

How to Insert Image and Video in HTML

Web Pages - Multimedia

HTML – Validation and Debugging

Sometimes your web page doesn't look or behave as expected. That's usually because of some mistake (bug) in your HTML code. It can be difficult to locate these mistakes in large HTML documents. Instead, we make use of HTML validators.

Examples:

> jsonformatter – HTML Validator
>
> W3C – Markup Validator

Assessment:

1. Marking up a Letter *[Adapted from MDN-Docs]*:

   This task will test your understanding of HTML elements and semantics.
   You are given the text of a letter from a professor to his counterpart. Your job is to take this raw text, create a HTML document, and put each portion of the letter in an appropriate HTML element that best portrays it's semantics and format.

   You have been provided with a starter Glitch project. Click on the Remix button to create your own copy. It contains some CSS to help with your letter, but we'll talk about that in a future class. Clone the Pen, markup the text, and submit a link to your CodePen URL.

   Download the Letter text
   Starter Glitch Project

Questions? Reach out to katchyemma@gmail.com

2. Structuring a Page of Content *[Adapted from MDN-Docs]*:

This task will test your understanding of website structure and semantics.

You have been provided with a zip file containing starter assets for the homepage of a website. It contains some starter HTML, some CSS to help with your letter, and some image. Your job is to complete the site and make it as semantically correct as possible.

Create a new Glitch Project, add the assets, markup the HTML page, and submit a link to your Glitch Project. Take note your "homepage" HTML file should be called index.html

Download the Starter Zip File
How to Create a new Project on Glitch
How to Rename a Glitch Project
How to Remix/Clone a Glitch Project
Structuring a Page of Content

3. Mozilla Splash Page *[Adapted from MDN-Docs]*:

This task will test your ability to add videos and images to HTML documents.
Details:

Read the Project Brief and Questions

Submission mode:

Create a new Glitch Project, add the assets, markup the HTML page, and submit a link to your Glitch Project. Take note your "homepage" HTML file should be called index.html

Questions? Reach out to katchyemma@gmail.com