Front-end course

A road to html, css and javascript
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Who am I?



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What is HTML?



Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour, graphic, and hyperlink effects on World Wide Web pages.

Link: History of Html

HTML is a Markup Language

XML is another one!

Let's Begin with HTML

```
<html>
<head>
<title>Page Title</title>
</head>

<body>
<h1>My First Heading</h1>
My first paragraph.
</body>
</html>
```

Getting started with HTML

Tags

	Opening Tag	
Attribute Name	Attribute Value	
a href="	http://dabrook.org">Visit DaBrook	
i	Attribute	

<html>

<html></html>:

The <html> element. This element wraps all the content on the page. It is sometimes known as the root element.

Attributes:

Lang: Specifies the language of the element's content

Reference: HTML Tag

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Text Fundamentals

- h1
- h2
- h3
- h4
- h5
- h6
- [

More: **HTML** text fundamentals

Text Fundamentals Lists

```
    1
    2
    3
    Ordered list
```

```
    Shoes
    Lunch
    Movie

Unordered list
```

Heyperlink

<a>>

You can Link to:

- Another document
- Images, Audio, Video, etc
- A part of html!

Link can be relative or absolute

More: <u>Hyperlink</u>

containers

div, span

div is a block-level element: space it gets is all the width

span is an inline-level element: space it gets is as the content

More: Div, Span

Metatags

<meta charset="utf-8">

<meta name="author" content="Woody Allen">

<meta name="description" content="some description">

Metatags

<meta name="twitter:title" content="Adele is not fat anymore">

<meta property="og:title" content="We will rock you">

Metatags

<link rel="shortcut icon" href="favicon.ico" type="image/x-icon"</pre>

k rel="stylesheet" href="my-css-file.css">

<script src="my-js-file.js" defer></script>

More: Metatags

Forms

```
<form action="/my-handling-form-page" method="post">
     <u1>
           <1i>>
                   <label for="name">Name:</label>
                   <input type="text" id="name" name="user name">
           <1i>>
                   <label for="mail">E-mail:</label>
                   <input type="email" id="mail" name="user_email">
           <1i>>
                   <label for="msq">Message:</label>
                   <textarea id="msg" name="user_message"></textarea>
```

</form>

Let's Dive into Browser

Git, Github

What is CSS?



Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

Three ways to use it

- External CSS
- Internal CSS
- Inline CSS

Selectors

In CSS, selectors are patterns used to select the element(s) you want to style.

List of Selectors: Link

Properties

List of them can be found in below links:

https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Properties_Reference https://www.w3schools.com/cssref/

Positions

The position property specifies the type of positioning method used for an element (static, relative, fixed, absolute or sticky).

https://www.w3schools.com/css/css_positioning.asp

Flexbox

The Flexible Box Module, usually referred to as flexbox, was designed as a one-dimensional layout model

https://css-tricks.com/snippets/css/a-guide-to-flexbox/
https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Flexbox
https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Flexible_Box_Layout/Basic_Concepts_of_Flexb

Flexboxfroggy.com!

SCSS

Sass is a preprocessor scripting language that is interpreted or compiled into Cascading Style Sheets. SassScript is the scripting language itself. Sass consists of two syntaxes.

https://sass-lang.com/guide

Responsive Design

Responsive web design is an approach to web design that makes web pages render well on a variety of devices and window or screen sizes from minimum to maximum display size.

Using media queries in css:

https://www.w3schools.com/css/css_rwd_mediaqueries.asp

What is Javascript?

JS

typing, prototype-based object-orientation.

JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled. It has curly-bracket syntax, dynamic

Variables

JavaScript variables are containers for storing data values.

Variable Types

```
undefined : typeof instance === "undefined"
Boolean : typeof instance === "boolean"
Number : typeof instance === "number"
String : typeof instance === "string"
BigInt : typeof instance === "bigint"
Symbol : typeof instance === "symbol"
```

Links:

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Data_structures http://javascript.info/types https://javascript.info/primitives-methods

Conditions

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Conditional_Operator

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Conditional_Operator

Functions

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Functions https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Functions