

Fundamentals of Web-Based Multimedia Communications: Imagining the Internet's Interface

Text editors and HTML

Friday, 09-02-2022

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HTML

CSS

JavaScript

“frontend” vs “backend” languages

Ruby

PHP

JAVA

C#

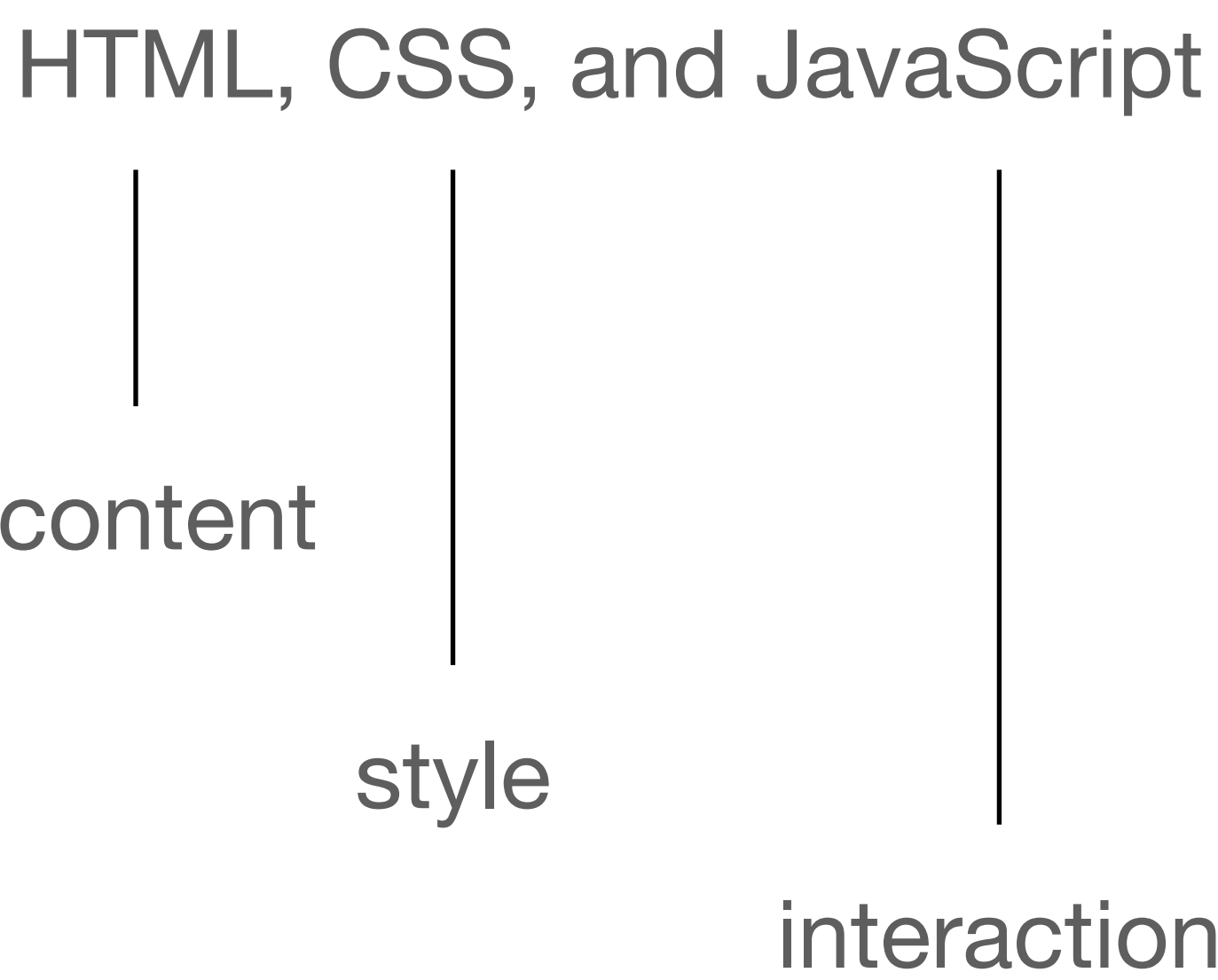
Python

C++

GO

Node.js

HTML (hypertext markup language) is a declarative language; it declares the content of the website

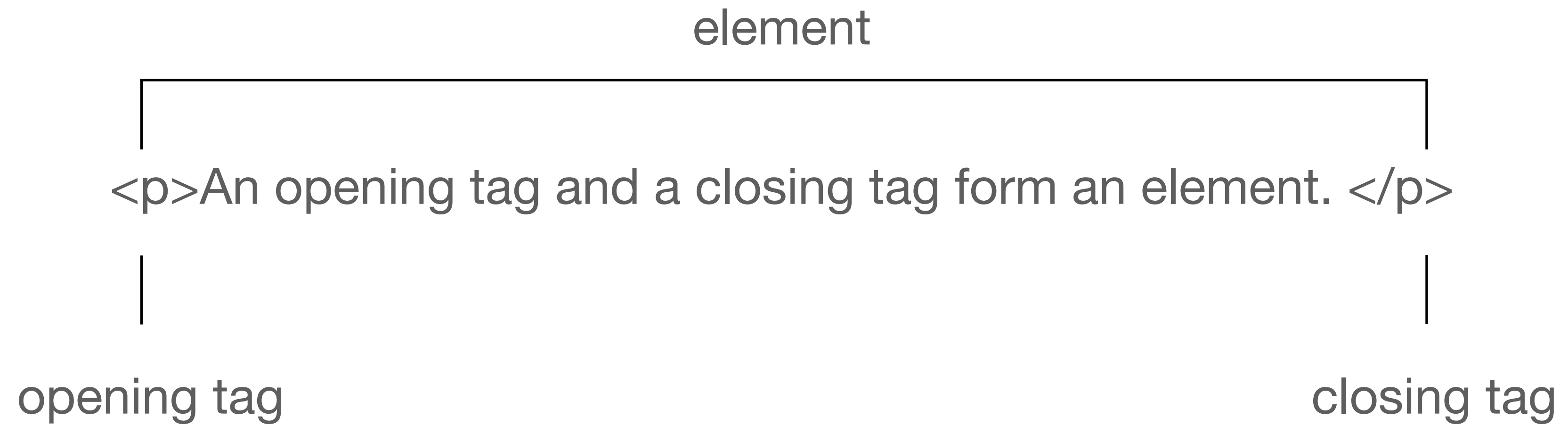


<> index.html ●

<> index.html > ...

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="utf-8" lang="en" content="width=device-width, initial-scal
5      <title></title>
6      <title>Kelsey Brod Portfolio of Duke CMAC work</title> <!-- this is a com
7      <link rel="stylesheet" href="style.css">
8  </head>
9  <body>
10     <div class="logo">
11         <a class="active" href="index.html">Kelsey Brod | Computational Media
12     </div>
13 </body>
14 </html>
15 >
```

The “paragraph” element:



Some basic html structure includes:

Semantic elements?
What does that mean

html element

head element

meta tag

title element

body element

html declaration

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Why do we call the main html
page an index?

declaration

head element

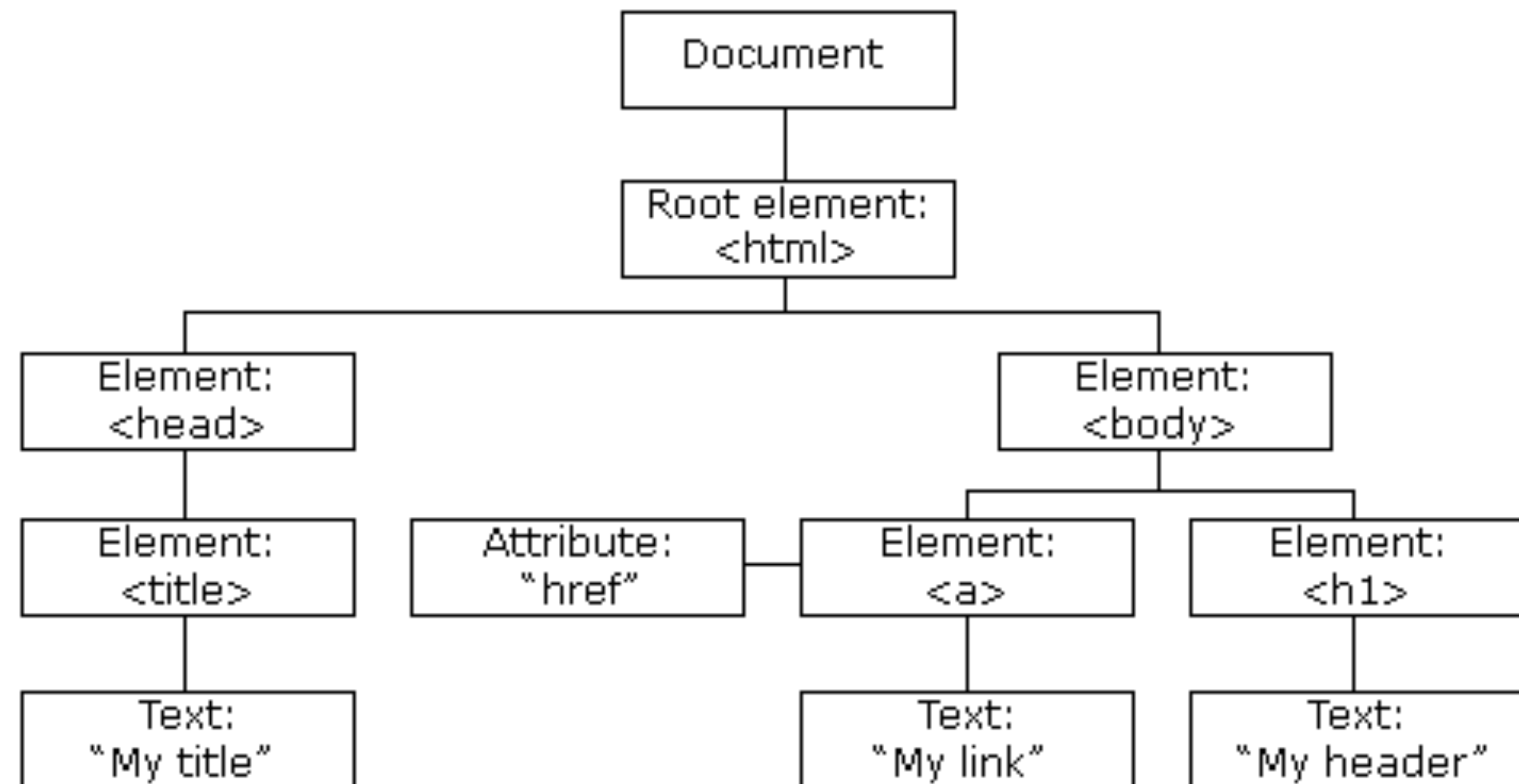
body element



html element

Nested HTML elements create a hierarchy called the Document Object Model (DOM):

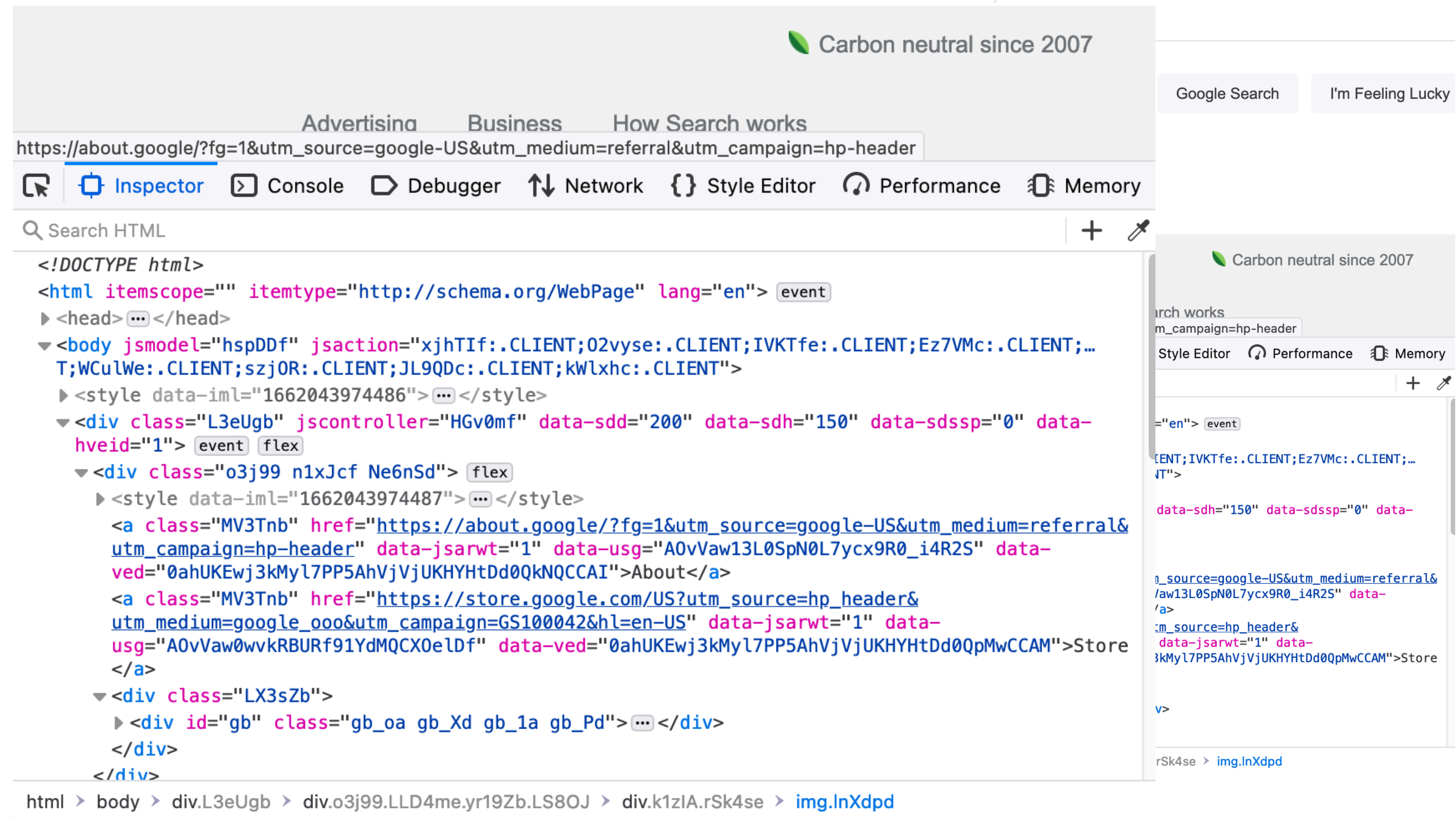
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About Store

Inspecting a website allows you to see the HTML DOM:



inline vs block elements:

<p>The paragraph element creates a block but the bold is inline. </p>

Element attributes: class, id, lang, dir, href...

Attributes provide more
information for the
element or tag

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Review!

What is the tag?

What is the attribute?

What is the element?

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Assignment: HTML Text Part 1
due next Wednesday

After working through the HTML Essential Training sections 1-4, create your own index HTML page. For content, select a few paragraphs of text either using your own writing or the writing by someone you admire. Format the text creatively and functionally, as you define it. Challenge yourself to use HTML elements such as paragraphs, headlines, bold and italics, lists, quotes, dates and times, code, pre, and br, etc. Make sure to credit the author if you are using someone else's written work. Upload the file as an index.html file.

Bonus points for making things weird and playful!