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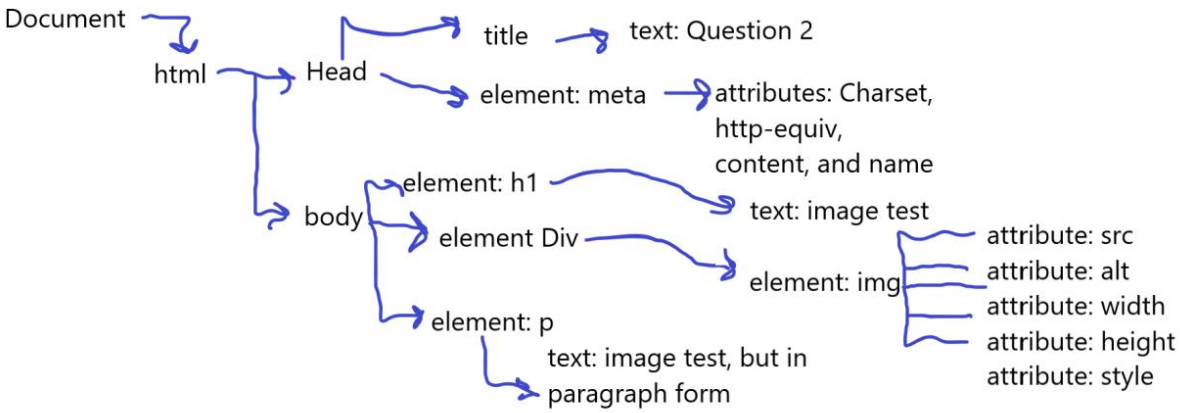
1.) DOM, also known as “Document Object Model” defines the standard for accessing documents. It will describe the HTML elements as objects. It will also define the properties of all HTML elements and the methods to access those same html elements. Finally, it defines the events for all HTML elements.

2.)



3.) The point of the statement is basically saying that it more important to understand the reason why the code is being written and arranged the way that it is than it is to make sure you’re typing everything in correctly. This is because proper use of semantics make it easier for your code to be understood by both person and machine. This in tur will also make the code easier to debug if necessary. While it is still crucial to learn proper syntax in all languages a programmer uses, one can’t function in html on proper syntax alone. Perfectly spelled code can’t be debugged efficiently if it’s hard to read. I’ve attached 2 of the same program, one with proper tabs and spacing and one with none to help prove my point.

4.) In reference to the 3 main html elements I’ll go in order of when they are seen. First, <HTML>’s semantics, simply put, is that it’s the root of the entire page, it will hold all of the elements and attributes that are used, the page will start with <HTML> and the very last declaration at the bottom will always be </HTML>. Next, in the <head> element a lot of initial declarations will be made there. Most of these declarations would be made with the meta tag. This would also be the place to link a css sheet or some external source for styling within a page. (like font awesome). Finally, there is the <body> section. The body section will have most of the content that will show up in the page. This includes the headers, text, images, and more. These will show up on the page in the order that they’re written in the file so proper semantics use is crucial here.