HTML and CSS

HTML

Hypertext Markup Language (HTML) is the primary language of the web. All web pages are written in HTML. HTML was developed in 1991 by Tim Berners-Lee. When it was designed, HTML was envisioned as a document format for researchers to exchange documents. Today, HTML has been repurposed to build all sorts of content on the Internet, including dynamic web applications.

A HTML document is a raw text document that contains tags like . Tags tells the browser how to display the element, and what kind of element it is.

Some common tags:

- <h1></h1> through <h6></h6>: Header elements. <h1></h1> is the largest header, and <h6></h6> is the smallest header.
- : Returns the node's first child in the tree, or null if the node is childless.
- : Strongly emphasized text, usually rendered as bold.
- : Emphasized text, usually rendered as italics.
- : Unordered (bullet) list.
- : Ordered (numbered) list.
- List item, used within an en enclosing list element.
- : Anchor (hyperlink) element. The link target is specified by the href attribute.
- <div></div>: Block enclosing element.
- : Inline enclosing element.
- <form action="" method=""></form>: Form element.
- <input type=""></input>: Form input element. The type can be one of text, password, radio, checkbox, or submit.

There are also other tags that allow you to embed other resources:

- : Embeds an image.
- <script src=""></script>: Embeds or links JavaScript code. This tag can contain
 inline code, or it can specify a URL of a linked script by the with the src element.
- <style></style>: Embeds CSS code. This should be used in the <head> portion of the document.

Most browsers ship with a tool that allows you to analyze the structure of a HTML document. In Chrome and Firefox, you can access the tool by right-clicking on the page and clicking Inspect Element. This displays a pane containing the parsed HTML source. You can then hover your mouse over elements in the source to see the corresponding rendered elements in the page.

There are a number of different versions of HTML, which differ in the elements that are allowed, and in their structure. This web page uses HTML 5. The standard document structure of a HTML 5 document is shown below.

The title of the page goes in the <title> element. The displayed content of the page goes within the <body> section. Most of the elements discussed above go within the <body> section, with the exception of the <style> and <link> elements, which should go in the <head> section.