

Unit 1 Module 1: HTML Review

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Outline

1 HTML Tags

- Tags
- HTML Tag Attributes

2 Document Structure

- Hi, World!
- Document Hierarchy

HTML Tags

An HTML **tag** defines a behavior within an HTML document and represents an individual component of the HTML document. All the HTML tags are then parsed into the HTML Document Object Model (DOM).

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Definition

*The **Document Object Model (DOM)** is a hierarchical representation of an HTML document. The DOM hierarchy allows other software (e.g., parsers) and languages (e.g., JavaScript) to access the HTML document.*

Common HTML Tags

Quote of the Day

Seeing, hearing, feeling, are miracles, and each part and tag of me is a miracle.

≈ *Walt Whitman*

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Common HTML tags include:

- `<p>`: paragraph
- `
`: line break
- ``: bold
- `<body>`: document body
- Many more; use a cheat sheet! [1, 2]

HTML Tag Attributes

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A tag can have as many attributes as necessary.

Common Attributes

Attributes vary by tag and are **NOT** universal, but some common attributes that appear for multiple tags are:

- id: attribute for accessing the tag using JavaScript
- height: height of this object
- class: CSS style to apply to this tag

To find out all the possible attributes for a tag, use the W3C Cheatsheet. [3]

Shortest Possible HTML Document

```
<!DOCTYPE html>
<html>
  <head>
    <title>Short HTML Document</title>
  </head>
  <body>
    <p>Short HTML Document</p>
  </body>
</html>
```

Listing 1: Shortest Possible HTML Document

Indentation & Code Style

Notice the indentation of the tags in Listing 1. This is intentional. The purpose of the indentation is to:

- 1 Increase readability by making it apparent to the reader what level the tag is at.
- 2 Emphasize how deep or shallow in the hierarchy the tag is.

For instance, the `<html>` tag will always be the shallowest tag in the hierarchy, since it indicates the beginning and ending of the HTML document. Conversely, the `<p>` tag is the deepest tag in the hierarchy in Listing 1.

History of HTML

HTML was developed at CERN by Tim Berners-Lee as a method of exchanging documents between locations.

Vitæ


Tim Berners-Lee *invented HTML as a method of exchanging hypertext documents between servers. He wrote the first HTTP server and HTML client (browser) in 1990. He was knighted 2004 by Queen Elizabeth II and opened the London 2012 Olympics by tweeting “This is for everyone” to the audience and world.*


Assignment

Write an HTML page introducing yourself to the class. Use at least 10 different HTML tags in your document. Upload the resulting page to the students server and share it with the rest of the class.

HTML Cheat Sheets

 **Cheatography.**
Html cheat sheet.
<http://www.cheatography.com/davechild/cheat-sheets/html4/pdf/>.

 **W3 Schools.**
Html tag reference.
<http://www.w3schools.com/tags/>.

 **W3 Consortium.**
W3c cheatsheet.
<http://www.w3.org/2009/cheatsheet/>.