

Lesson 02, Sect. 1

HTML Semantic Elements



HTML & CSS Foundations



WHAT ARE SEMANTIC ELEMENTS?

Semantic elements clearly describe their meaning to both human and machine, that is, to both the developer and to browsers, screen readers and search engines. The element name indicates the content within it.

Semantic examples:

> <header>, <nav>, <article>, <table>, <form>, <footer>

Non-Semantic examples:

> <div>, , , <i>



SEMANTIC VS. PRESENTATIONAL

One of the goals of HTML5 is to separate structure and style. HTML markup describes the meaning of the content; CSS describes the appearance.

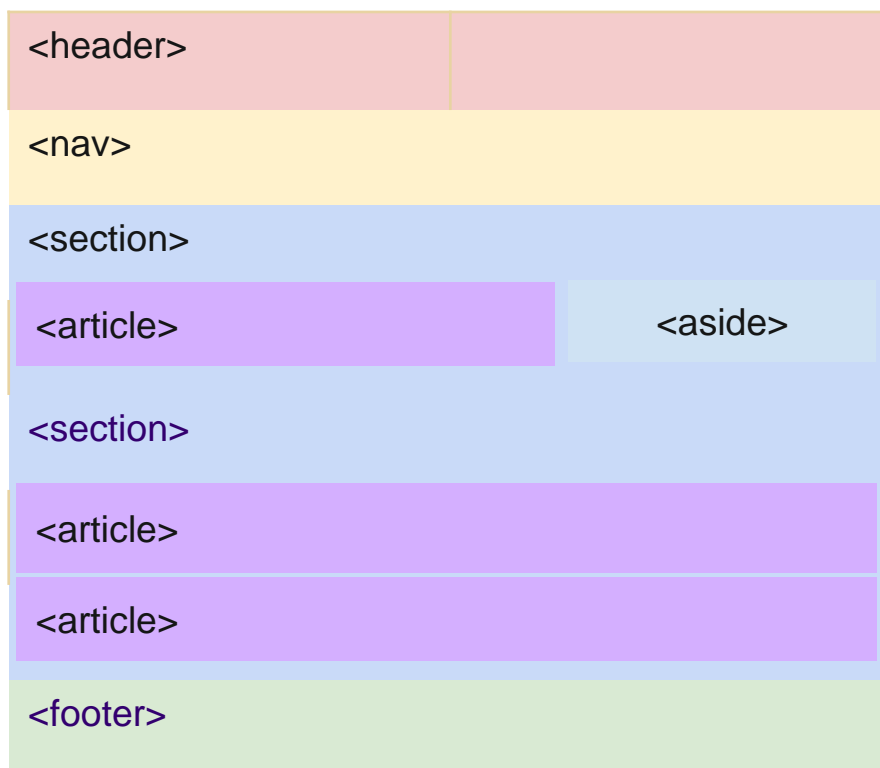
- > HTML: semantic, structure, meaning
- > CSS: presentational, style, appearance



SEMANTIC DOCUMENT STRUCTURE

For example, we can easily envision the document code below resulting in the following document structure:

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <title></title>
6  </head>
7  <body>
8    <header></header>
9    <nav></nav>
10   <section>
11     <article></article>
12     <aside></aside>
13   </section>
14   <section>
15     <article></article>
16     <article></article>
17   </section>
18   <footer></footer>
19 </body>
20 </html>
```



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NON-SEMANTIC ELEMENTS

Non-semantic elements tell us nothing about the content within them.

- > `<div>`
- > ``



LIST OF SEMANTIC ELEMENTS

Block elements:

<section>

<article>

<menu>

<header>

<footer>

<hgroup>

<nav>

<address>

<aside>

Inline elements:

<summary>

<details>

<figure>

<figcaption>

<time>

<command>

<dfn>

<wbr>

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TABLE OF SEMANTIC ELEMENTS

Tag	Description
<article>	Defines an article
<aside>	Defines content aside from the page content
<details>	Defines additional details that the user can view or hide
<figcaption>	Defines a caption for a <figure> element
<figure>	Specifies self-contained content like illustrations, diagrams, photos, code listings, etc.
<footer>	Defines a footer for a document or section
<header>	Specifies a header for a document or section
<main>	Specifies the main content of a document
<mark>	Defines marked/highlighted text
<nav>	Defines navigation links
<section>	Defines a section in a document
<summary>	Defines a visible heading for a <details> element
<time>	Defines a date/time

Source: https://www.w3schools.com/html/html5_semantic_elements.asp