Cheatsheets / Learn HTML

## code cademy

# **Semantic HTML**

#### **Semantic HTML**

Semantic HTML introduces meaning to the code we write. Before Semantic HTML the elements didn't have any meaning as to what it does or what content goes in it. An element such as <div> was used as a general-purpose element to create things from headers to footers to articles. With Semantic HTML we were introduced to elements that tell developers and browsers exactly what it does and what content should go in it.

#### **Element Placement**

```
<!--Non Semantic HTML-->
<div id="footer">
  this is a footer
</div>
<!--Semantic HTML-->
<footer>
  this is a footer
</footer>
```

## **Embedding media**

Semantic HTML introduces us to <video> , <audio> and <embed> . <video> allows us to add videos to our website. <audio> allows us to implement audio into our website.

can be used to implement any type of media. These elements are universal in that they all use the src attribute to link the source of the content. <video> and <audio> requires a closing tag while <embed> is a self-closing tag.

## <figure> and <figcaption>

The <figure> element is used to encapsulate media such as an image, diagram. or code snippet. The <figcaption> element is used to describe the media encapsulated within the <figure> element. Developers will normally use <figcaption> within the <figure> element to group the media and description. This way, if a developer decides to change the position of the media, the description will follow along with it.

```
code cademy
```

```
<!--Video Tag-->
<video src="4kvideo.mp4">video not
supported</video>

<!--Audio Tag-->
<audio src="koreanhiphop.mp3">
</audio>

<!--Embed tag-->
<embed src="babyyoda.gif"/>
```

```
<figure>
  <img src="qwerty.jpg">
    <figcaption>The image shows the
layout of a qwerty keyboard.
  </figcaption>
  </figure>
```

### <section> and <article>

<section> defines elements in a document,
such as chapters, headings, or any other area
of the document with the same theme.

<article> holds content that makes sense
on its own such as articles, blogs, and
comments. Generally developers will use

<section> to define a theme for the
webpage and use <article> to write
independent content for that theme. This
does not mean that <article> has to be
used with <section>.

```
code cademy
```

## <aside> Aside Element

The <aside> element is used to mark additional information that can enhance another element but isn't required in order to understand the main content. Usually, this information would be in a sidebar or a location where it doesn't obstruct the main piece of content. An example of this would be an article that discusses how to take care of a dog and next to the article an ad would appear advertising a dog grooming product.

```
<article>
<!--Main Content-->
</article>
<aside>
<!--Additional information-->
</aside>
```