

# Semantic Elements in HTML5

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



### main

- New HTML 5.1 Element!
- main is intended to contain the central content of a web page
  - as such, there can be only one main tag per page!
- main cannot be a child element of header, footer, article, aside or nav
- The tag should employ an ARIA role of main for long-term compatibility with accessibility devices

```
...
</header>
<main role="main">
    some text and other stuff.
</main>
<footer>
...
```



# header

- Contains the headings of either a web page document or an area in the document such as a section or article
- The <header> element should be used as a container for introductory content

<header>

</header>

In this article we'll discuss...

```
<h1>Lighthouse&nbsp;Island&nbsp;Bistro</h1>
                 <h2>the best coffee on the coast</h2>
           </header>
                                                               Lighthouse Island Bistro
      If you want to add a subtitle in your
      HTML pages, you can use a snippet like
                                                         Locally Roasted Free-Trade Coffee
                                                         Indulge in the aroma of freshly ground roast coffee. Specialty drinks are available hot or
      this, as recommended in the spec:
<header>
                                                                               ig fresh-fruit muffins, scones
   <h1>
        5 deprecated features of HTML5
        <span>Sometimes specifications are changed
        and you need to refactor your code</span>
   </h1>
```

## footer

- Contains the footer content of a web page or specific area in the document such as a section or article
- A <footer> element should contain information about its containing element

```
<footer>
    Copyright &copy; 2015 Acme International Inc.
</footer>
```



### nav

- Contains a section of navigation hyperlinks
  - a menu
- Does NOT change style
  - You must still use CSS to style the links as a menu

```
<nav>
<a href="/item1.html">Item 1</a> <br>
<a href="/item2.html">Item 2</a> <br>
<a href="/item3.html">Item 3</a> <br>
<a href="/item4.html">Item 4</a> <br>
</nav>
```



# aside

- Contains a part of the page that's tangentially related to the content around the aside element
  - Such as a sidebar, a note, or other tangential content

The February special sandwich ... February only.

Eighthouse Island Bistro

Lighthouse Island Bistro

the best coffee on the coast

Home

Valentine Wrap
February 02, 2011

The February special sandwich is the Valentine Wrap — hearthealthy organic chicken with avocado, roasted red peppers, and alfalf asprouts all on a whole wheat wrap. Available during the month of February only.

New Coffee of the Day Promotion

January 11, 2011

Enjoy the best coffee on the coast in the comfort of your home. Lighthouse Island Bistro has started a new Coffee of the Day promotion. We will feature a different flavor of our gournet, locally roasted coffee each day with free bistro tastings and a discount on one-pound bags.

<aside>
 watch for the March Madness Wrap next month!
</aside>

#### OBS:

Needs CSS3 styling (float property) to achieve the desired layout



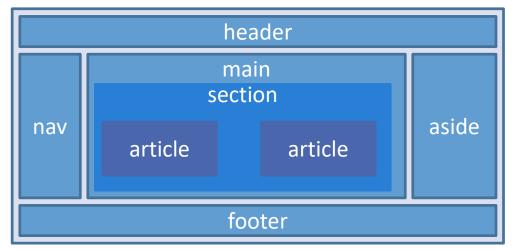
### section and article

### Section Element

- Contains a "section" of a document, such as a chapter or topic
- Has semantic meaning it implies that the content it contains is related in some way

### Article Element

 contains an independent entry, such as a blog posting, comment, or article that could stand on its own



Just one possible structure using sematic elements



### div

 Is a structural element that configures a structural block area on a web page with empty space above and below without any semantic meaning

Use div where none of the semantic elements is suitable

