

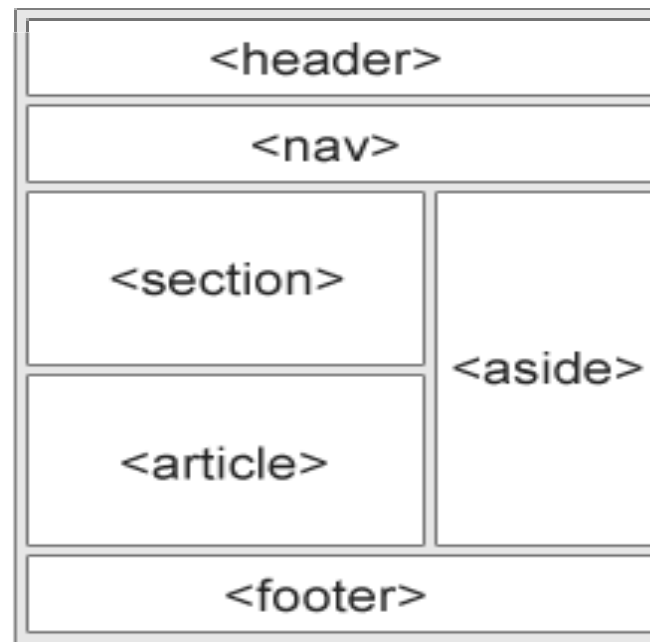
Semantic Elements

What are semantic elements?

- A semantic element clearly describes its meaning to both the browser and the developer.
- Examples of **non-semantic** elements: `<div>` and `` - Tells nothing about its content.
- Examples of **semantic** elements: `<form>`, `<table>`, and `` - Clearly defines its content.

Example Website

- Many web sites contain HTML code like: `<div id="nav">` `<div class="header">` `<div id="footer">` to indicate navigation, header, and footer.



Semantic Elements

HTML5 offers new semantic elements to define different parts of a web page:

- `<section>`
- `<article>`
- `<aside>`
- `<figcaption>`
- `<figure>`
- `<header>`
- `<footer>`
- `<nav>`

HTML5- section Element

- A Web site's home page could be split into sections for introduction, content, and contact information
- A section is grouping of content, typically with a heading
- The <section> element defines a section in a document

Example

```
<section>  
  <h1>WWF</h1>  
  <p>The World Wide Fund for Nature (WWF) is....</p>  
</section>
```

HTML5 – article element

- An article should make sense on its own, and it should be possible to read it independently from the rest of the web site

Example

- Newspaper: The sports **articles** in the sports **section**, have a technical **section** in each **article**
- `<article>` element defines a complete, self-contained block of related elements

```
<article>
```

```
<h1>What Does WWF Do?</h1>
```

```
<p>
```

WWF's mission is to stop the degradation of our planet's natural environment, and build a future in which humans live in harmony with nature.

```
</p>
```

```
</article>
```

HTML5 – header element

- The <header> element specifies a header for a document or section
- The <header> element should be used as a container for introductory content
- <article>
 <header>
 <h1>What Does WWF Do?</h1>
 <p>WWF's mission:</p>
 </header>

 <p>
 WWF's mission is to stop the degradation of our
 planet's natural environment, nature.
 </p>
</article>

HTML5 – footer element

- A footer typically contains the author of the document, copyright information, links to terms of use, contact information, etc.
- The <footer> element specifies a footer for a document or section.

<footer>

<p>Posted by: Hege Refsnes</p>

<p>Contact Information:

someone@example.com.

</p>

</footer>

HTML – nav element

- the <nav> element defines a set of navigation links.

Example

```
<nav>
```

```
  <a href="/html/">HTML</a> |
```

```
  <a href="/css/">CSS</a> |
```

```
  <a href="/js/">JavaScript</a> |
```

```
  <a href="/jquery/">jQuery</a>
```

```
</nav>
```

HTML5 – aside element

- The <aside> element defines some content aside from the content it is placed in (like a sidebar)

Example

```
<aside>
```

```
  <h4>Epcot Center</h4>
```

```
  <p>The Epcot Center is a theme park in Disney World, </p>
```

```
</aside>
```

HTML5 – figure, figcaption

- In books and newspapers, it is common to have captions with images

Example

```
<figure>  
    
  <figcaption>Fig1. - The Pulpit Rock, Norway.</figcaption>  
</figure>
```