

HTML

Semantic
HTML



A long time ago

In HTML 4, 'everything' was a <div>



DIV



Web Developer,
c.a. 10.000 B.C.

HTML 5 changed all that!



Semantic HTML

In HTML 5, Tags have **meaning!**

HTML 4.x

```
<div id="header">
```

```
<div id="nav">
```

```
<div class="article">
```

```
<div class="section">
```

```
<div id="foot">
```



```
<header>
```

```
<nav>
```

```
<article>
```

```
<section>
```

```
<aside>
```

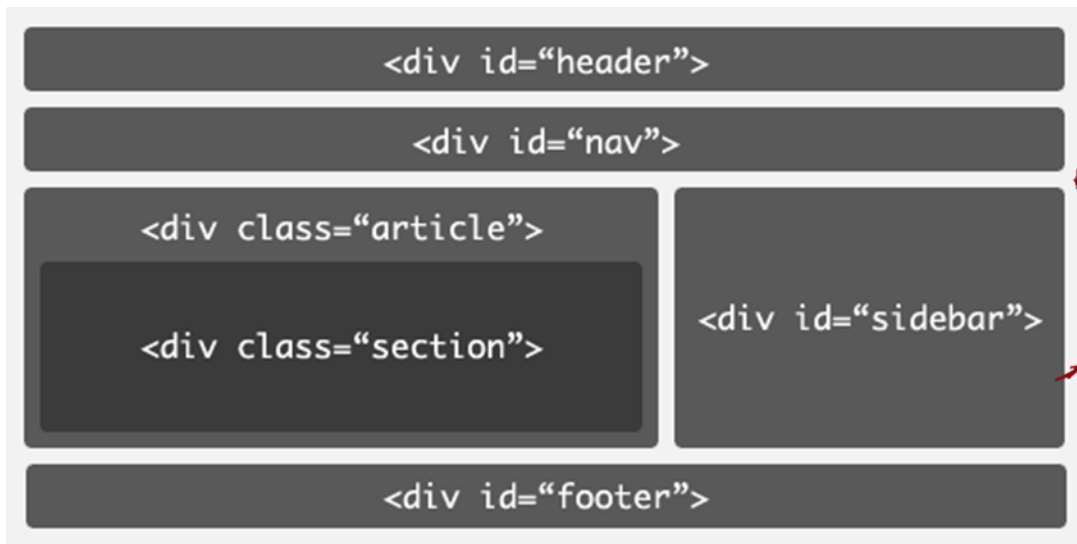
```
<footer>
```

Semantic HTML

HTML5 has specific tags that describe the element contents.

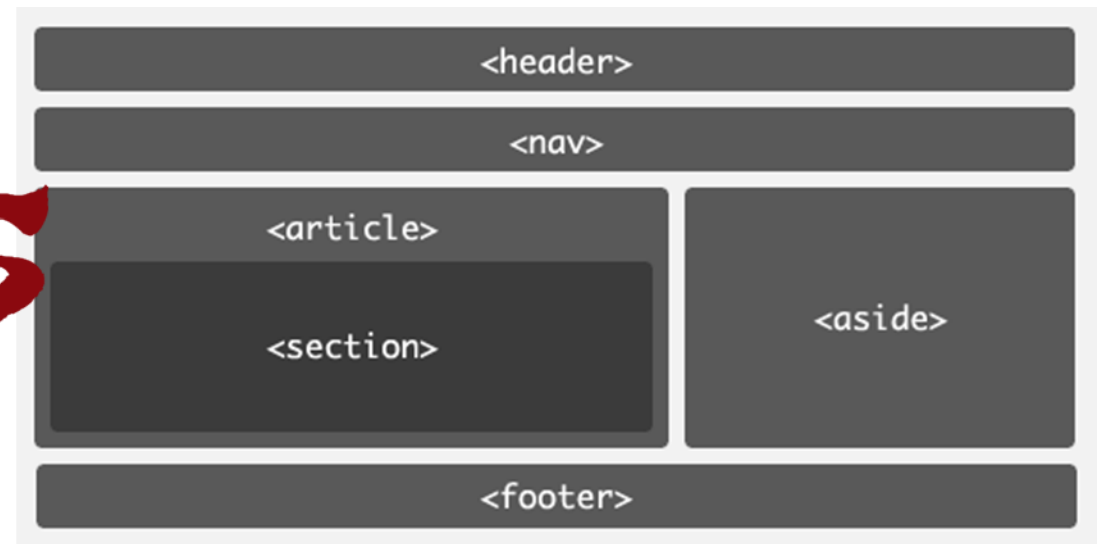
Can you think of reasons why this is important?

To ensure you can work with semantic HTML, we do not allow `<div>`



HTML 4

VS



HTML 5

Semantic HTML in code

The same page in HTML4 (left) and HTML5 (right)

✗

```
<body>
  <div id="mainContainer">
    <div id="contentContainer">
      <p>
        Können Herzen singen
        Kann ein Herz zerspringen
        Können Herzen rein sein
        Kann ein Herz aus Stein sein
      </p>
      <p>
        Sie wollen mein Herz am rechten Fleck
        Doch seh' ich dann nach unten weg
        Dann schlägt es links
      </p>
    </div>
  </div>
</body>
```

☑

```
<body>
  <article>
    <p>
      Können Herzen singen
      Kann ein Herz zerspringen
      Können Herzen rein sein
      Kann ein Herz aus Stein sein
    </p>
    <p>
      Sie wollen mein Herz am rechten Fleck
      Doch seh' ich dann nach unten weg
      Dann schlägt es links
    </p>
  </article>
</body>
```

Basic setup

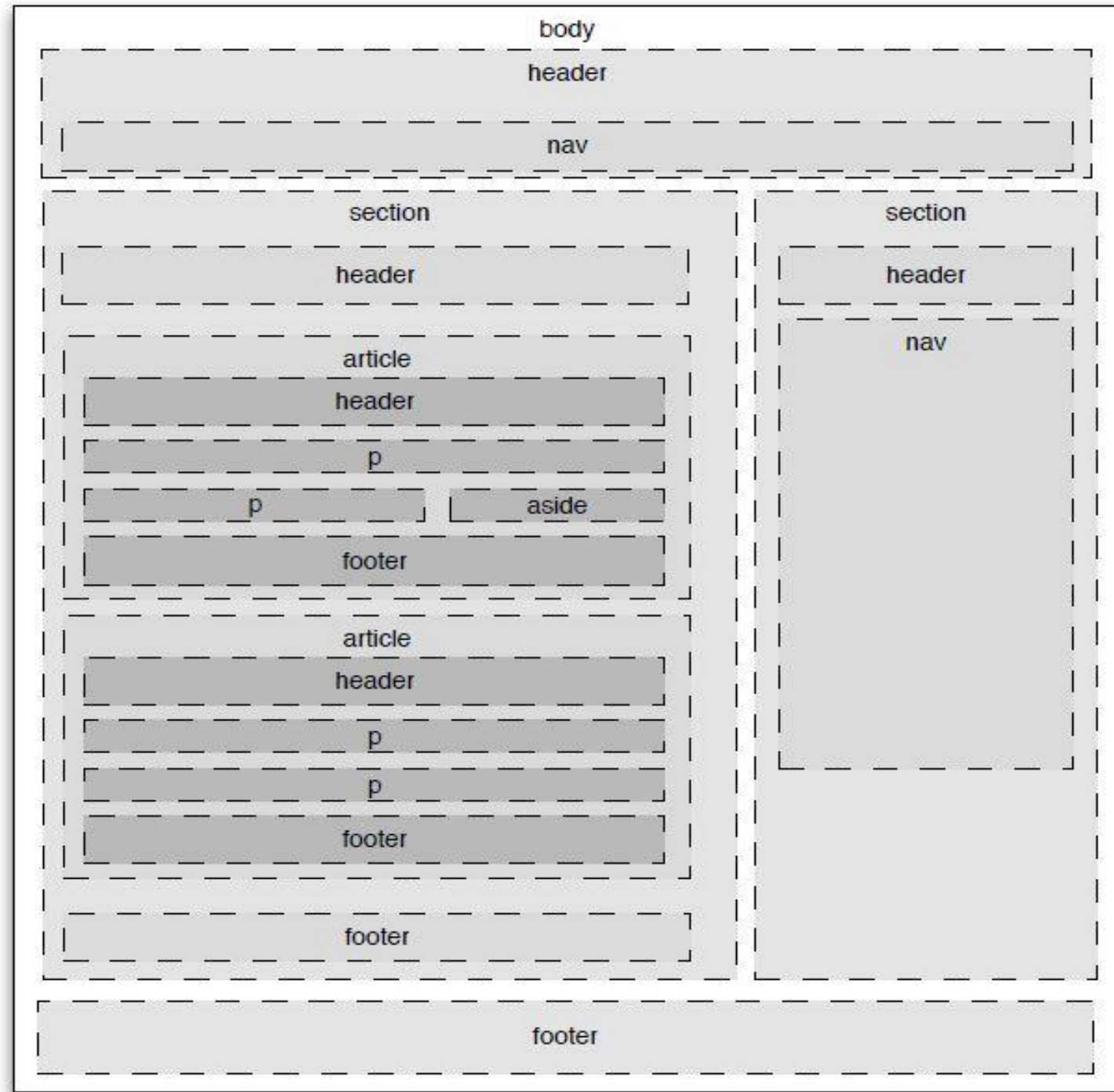
Here you can see a basic semantic HTML page structure:

Section:

Generic section/
thematic grouping of content

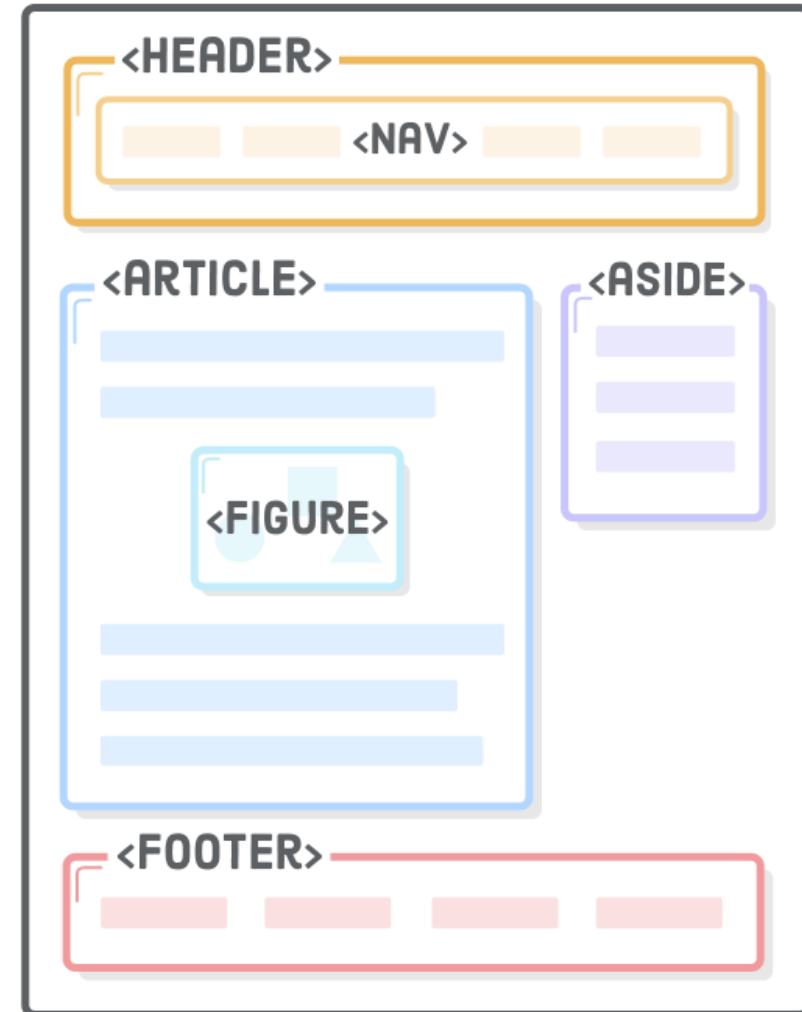
Article:

An individual piece of
content, there can be one but
also multiple per page



In-class assignment

- Create a folder called 'semantic_html' in your web markup folder
- Add a file called 'index.html' to it with a basic HTML structure
- Add 5 paragraphs of "lorem ipsum" text for the article.
- Add 1 paragraph of "lorem ipsum" text for the aside.
- Find a (royalty free) picture for the figure.
- Add 3 (non-working) links into your nav menu to:
 - product.html (called product)
 - service.html (called service)
 - contact.html (called contact)
- Add copyright 2023 info in the footer.
- Pro Challenge: Convert the layout (right) into code using CSS.
- Commit your work to GitHub.
- Test your page online.



inholland
**university of
applied sciences**