

Element:

```
<OpeningTag>Content</ClosingTag>
```

Tag may have attributes (Body):

```
<OpeningTag attribute="Text">Content</ClosingTag>
```

OR

```
<h1 align="center">Content</h1>
```

Comments (element cos it contains content):

```
<!-- Content -->
```

XHTML5 document structure:

```
<!DOCTYPE html>
<html xmlns = "http://www.w3.org/1999/xhtml" >
<head>
  <title> here is the title </title>
</head>
<body>
```

Things inside the body is usually rendered.

```
</body>
</html>
```

Note: html has 2 child = head + body. Head has 1 child = title

Paragraph Tag (element to be specific cos it contains content):

```
<p> New paragraph </p>
```

- Breaks the current line and inserts new paragraph (ie not line but new paragraph)

Line Break Tag (element to be specific cos it contains content):

```
<br />
```

```
Line 1 <br /> Line 2
```

- Insert new line not paragraph (no new paragraph)
- No closing tag

Horizontal Rule Tag + Attributes:

```
<hr />
```

- Draws a horizontal line across the page
- No closing tag
- *Attributes:* `Width="70"` `size="20"`

Heading Tag + Attributes:

```
<h1>Content</h1>
```

```
<h2>Content</h2>
```

- Six headings with heading 4 being default size and 5 & 6 being smaller default size
- *Attributes:* `align="center"`

Preserve whitespaces:

```
<Pre> Content </Pre>
```

- Where the indentations are kept and spaces are all kept
- May be used for programming visibility

Superscript and Subscript:

```
<sub>Content</sub>
```

```
<sup>Content</sup>
```

Font style and sizes:

Bold

```
<b>Content</b>
```

Italics

```
<i>Content</i>
```

Larger + Smaller

```
<big>Content</big>
```

```
<small>Content</small>
```

Monospace

```
<tt>Content</tt>
```

Characters Entities:

```
&gt; (>)
```

```
&amp; (&)
```

```
&lt; (<)
```

- Print out characters like &, <, > etc

Images + Attributes:

```
<img />
```

- Print out images can include GIF or JPEG
- No closing tags
- Attributes:
 - `src="image.jpg"`
 - `alt= "Picture of coment"`
 - `width="70"`
 - `height="80"`

HyperText Links + Attributes:

```
<a>Click here</a>
```

- Point to html link
- Attribute:
 - `href="link.html"`
- Use relative address as it is easier to maintain then absolute address

Allow javascript:

```
<script> </script>
```

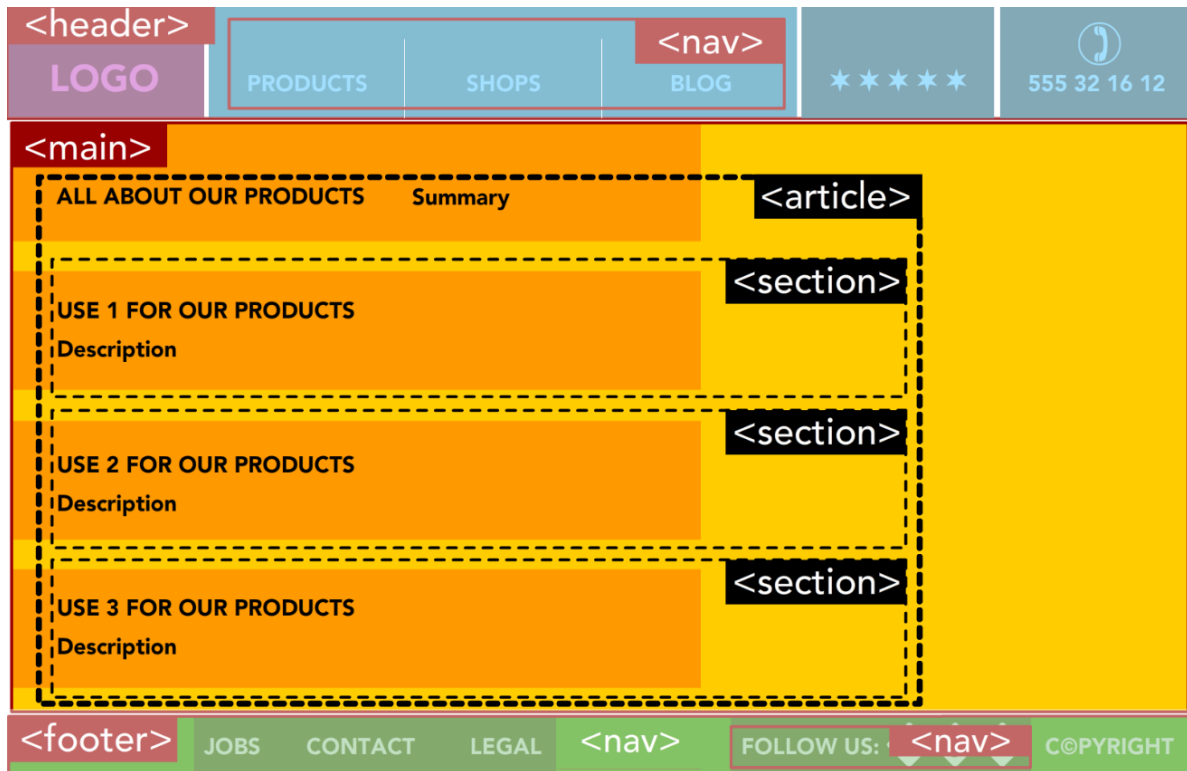
HTML5 Semantic Tags

A semantic element clearly describes its meaning to both the browser and the developer.

```
<header></header>
<footer></footer>
<aside></aside>
<main></main>
<article></article>
<nav></nav>
<section></section>
<details></details>
```



- Divides content in body in specific sections



Main resurces used rof

<https://zellwk.com/blog/html-structure/> ← HOW TO STRUCTURE HTML STEP BY STEP

<https://stackoverflow.com/questions/7549561/section-vs-article-html5>

Just use:

- Header
- Section
- footer

Notes:

- Never bold headings!!! (title)