

HTML+CSS course

Module 2. HTML basics: semantics and main elements

HTML basics : Agenda

- Semantics
- Main elements and their attributes
 - Div, span
 - Lists
 - Links
 - Images

Semantic HTML code

- Not semantic code

~~This is a heading~~

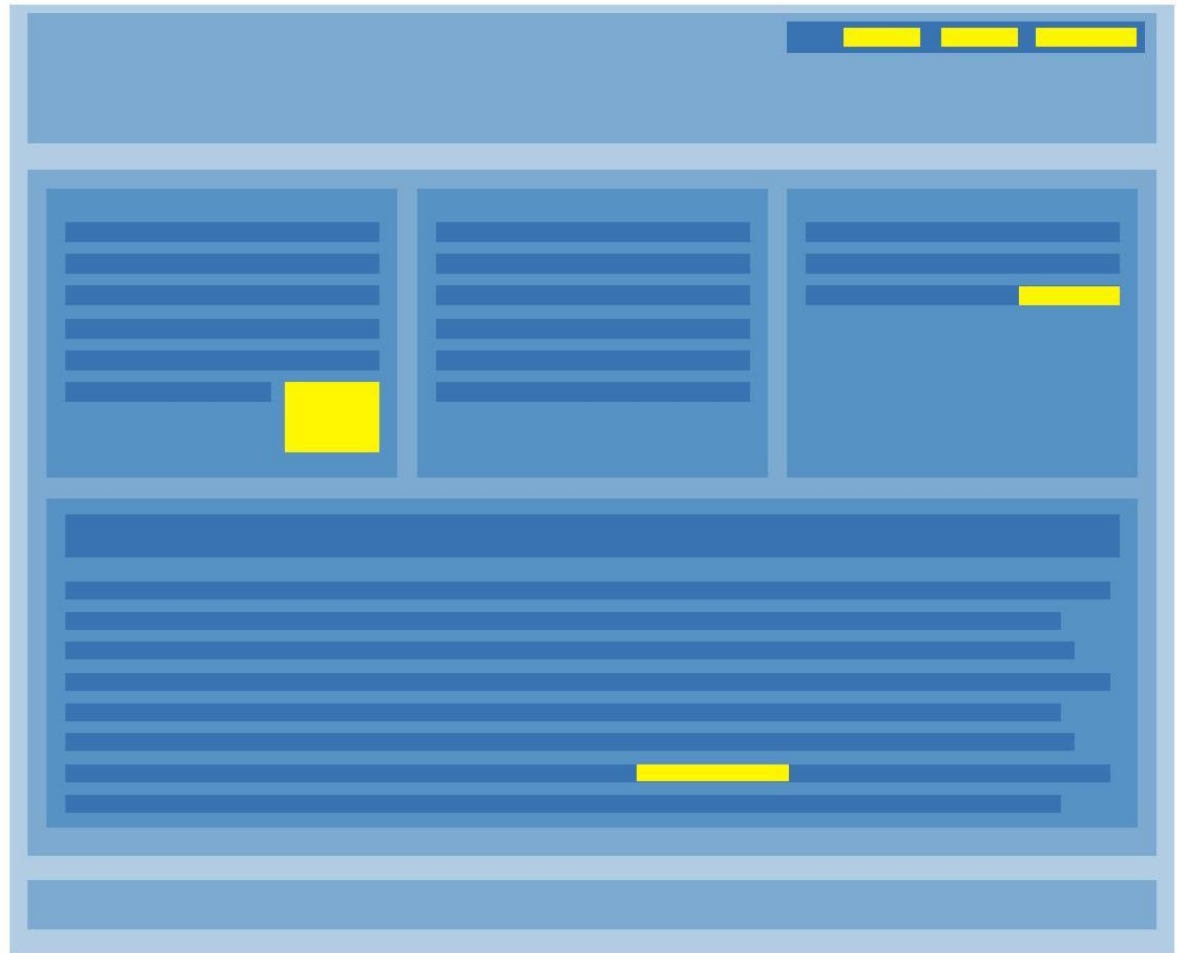
- Semantic code:

<h1>This is a heading</h1>

More reasons to use semantic HTML

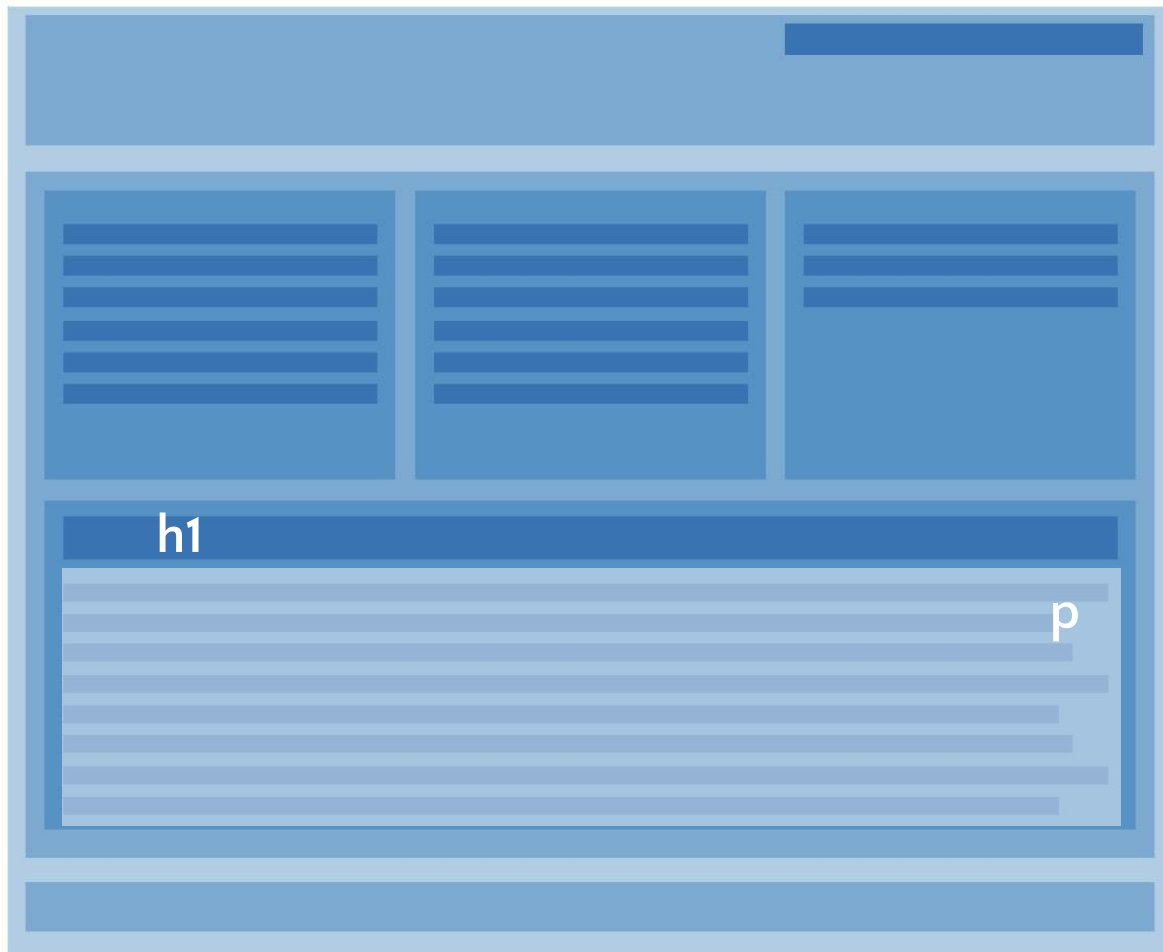
- It can be shorter and so downloads faster.
- It makes site updates easier.
- It is easier for people and especially machines to understand.
- It gives possibility to change the look without affecting HTML.
- It separates work on design and content.

Block and Inline Elements



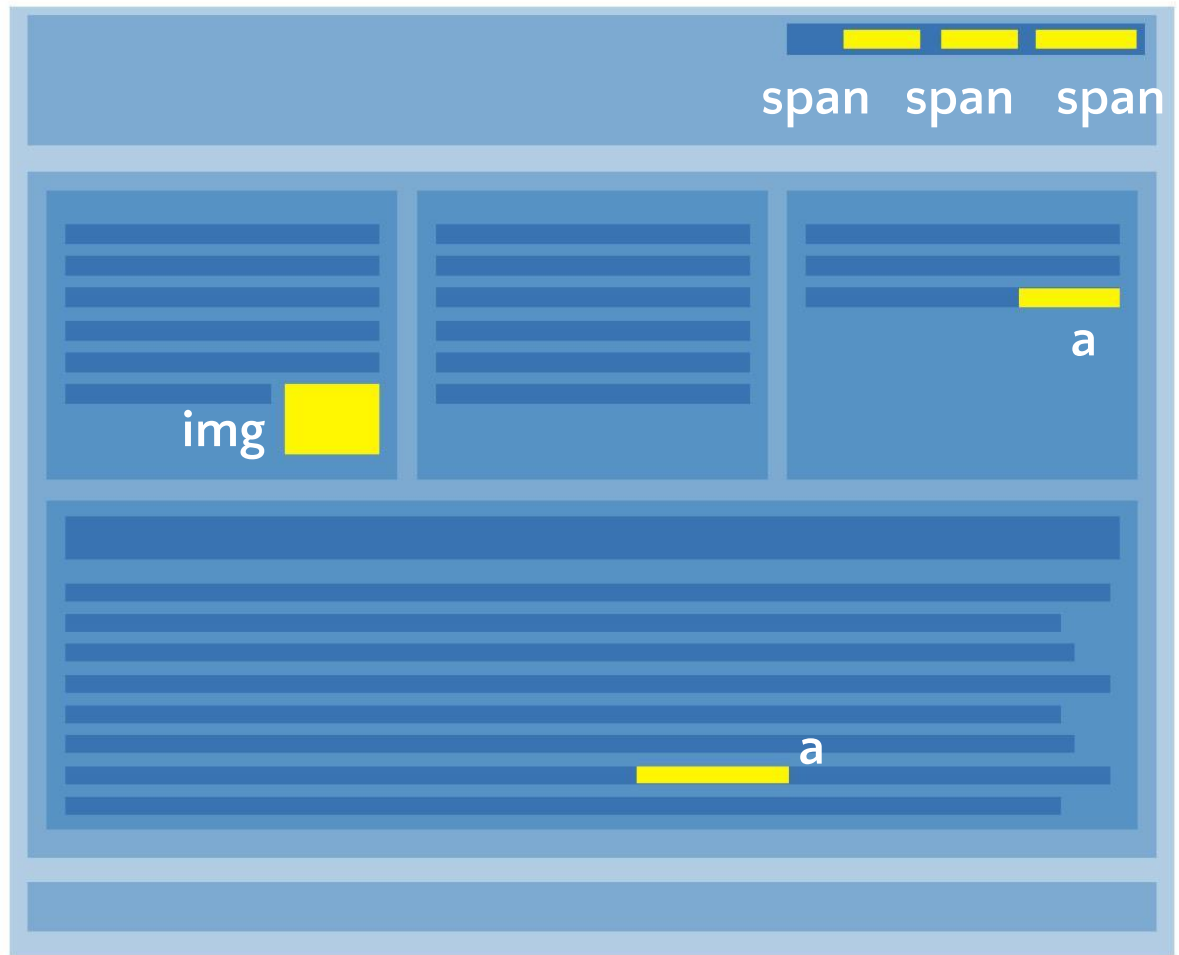
Block Elements

p
div
h1, h2, h3, h4, h5, h6
ol, ul, dl
pre, address, blockquote
fieldset, form
hr, noscript, table



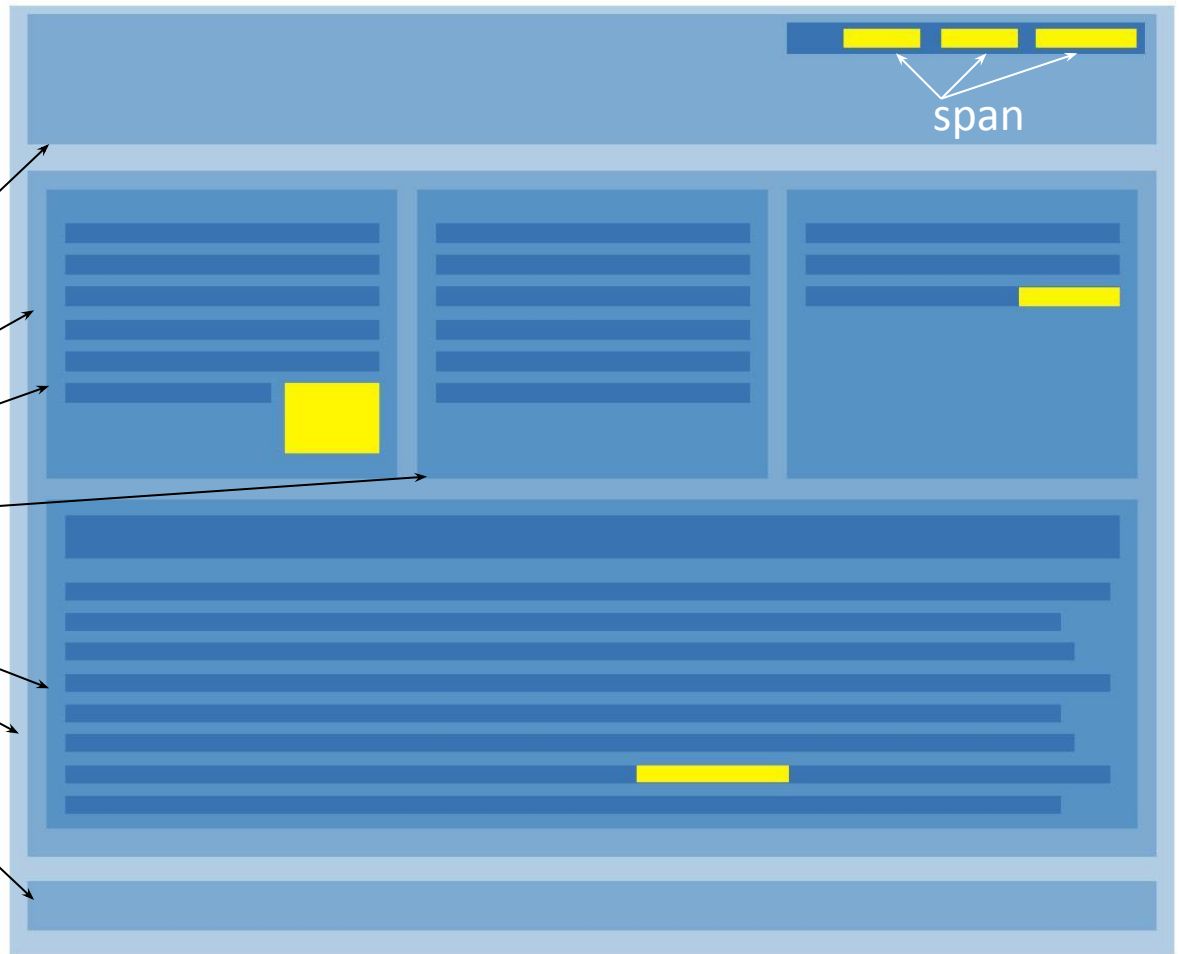
Inline Elements

b, big, i, small, tt, abbr, acronym, cite, code, dfn, em, kbd, strong, samp, var, **a**, bdo, br, **img** map, object, q, script, **span** sub, sup, button, input, label, select, textarea



Divisions and spans

div



Classes and Identifiers

```
<div class="name-of-class">
```

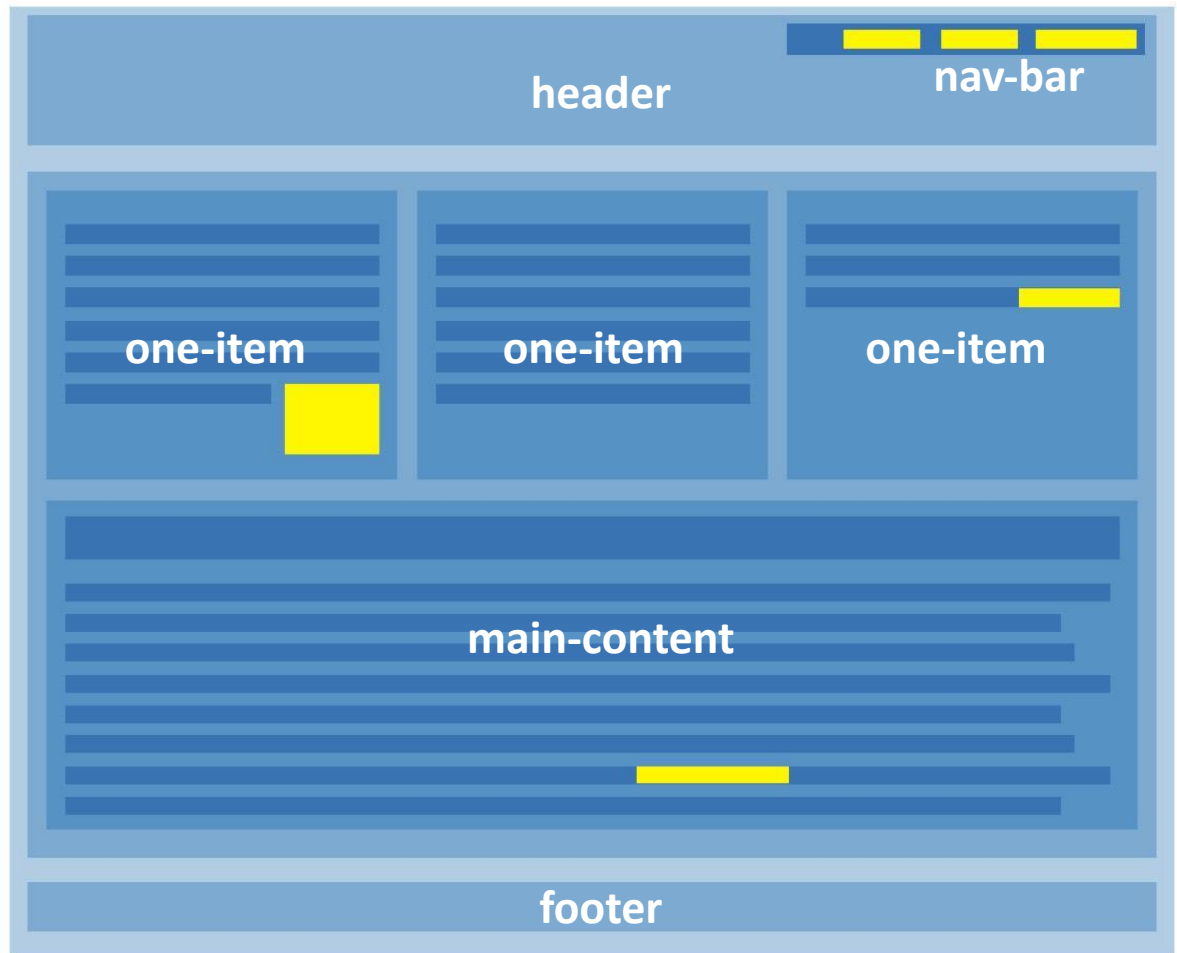
```
...
```

```
</div>
```

```
<div id="name-of-element">
```

```
...
```

```
</div>
```



Inline elements: em or i, strong or b?

`...`
`...`

Makes text **bold**

`...`
`<i>...</i>`

Makes text *italic*

Use `` when you want the text to have a different style without contextual importance, but use `` when you want the text to have extra importance

Use `<i>` to offset the mood of text, but use `` to make text emphatic.

Inline elements: em or i, strong or b?

`Just bold text` using `` element

`
`

`Just bold text` using `` element

`
`

`
`

`Just italic text` using `` element

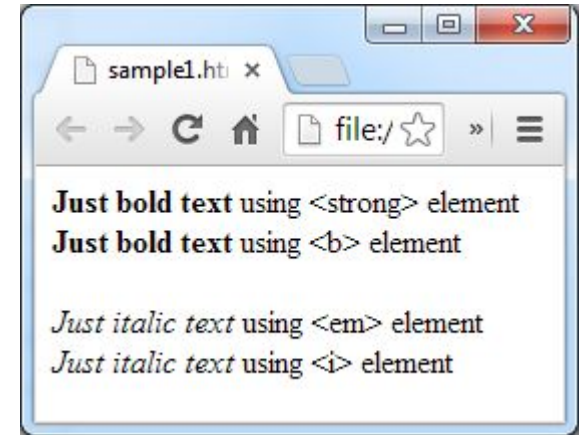
`
`

`<i>Just italic text</i>` using `<i>` element

note

`<` renders as `<`

`>` renders as `>`



Small CSS spoiler for better explanation

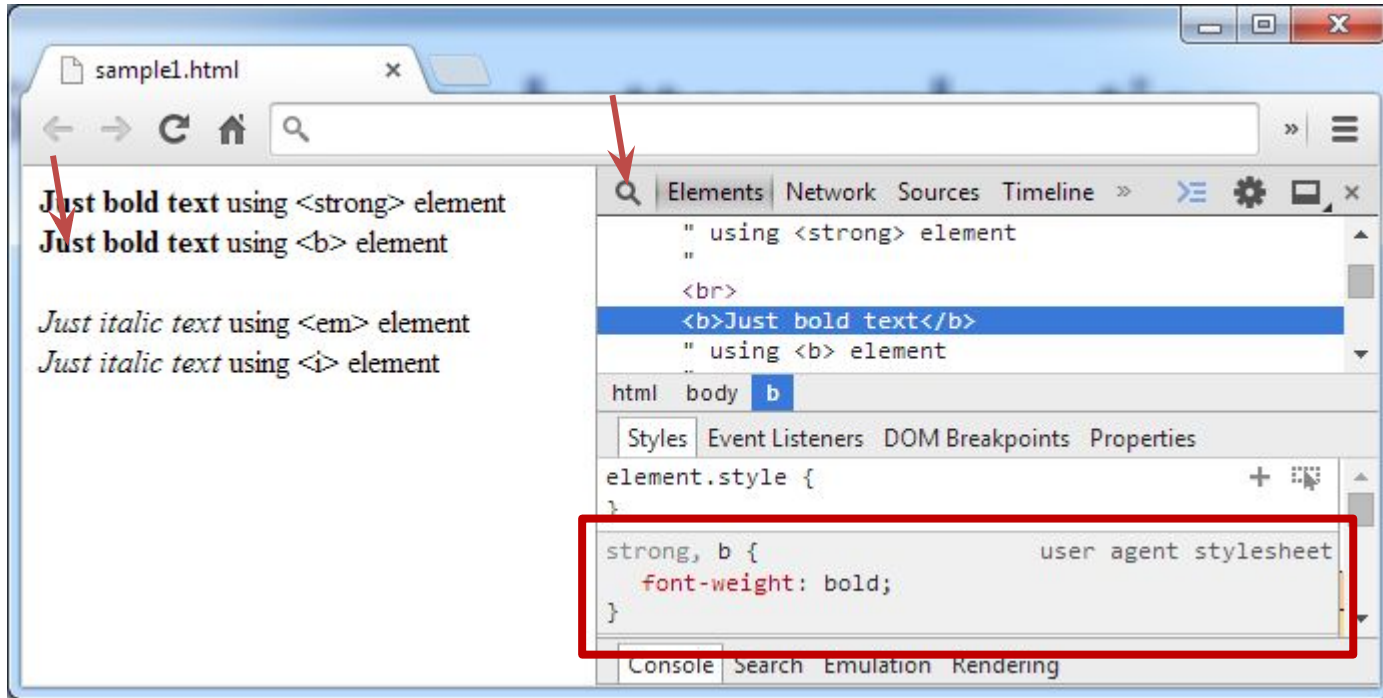


Image element

```

```

The tag defines an image in an HTML page

Required attributes: **src** and **alt**

Optional attributes: **width** and **height**

Hyperlink element

```
<a href="page.html">Go to page</a>
```

The `<a>` tag provides a hyperlink somewhere.

Required attribute: **href**

Optional attributes: **type, target, title, rel**

Hyperlink element

```
<a href="page.html" type="html" target="_blank"  
  title="Some link" rel="nofollow">
```

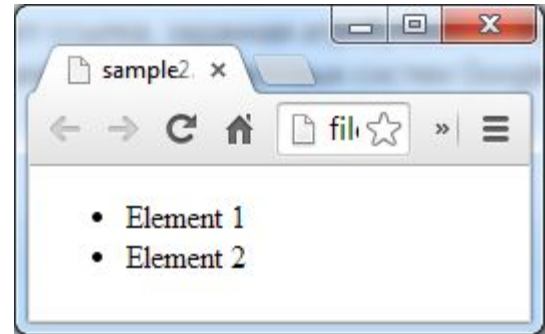
Go to page

```
</a>
```

List element

Element 1

Element 2



Headings and paragraphs

`<h1>Biggest</h1>` `<h2>Smaller</h2>`

`<h3>Smaller</h3>` `<h4>Smaller</h4>`

`<h5>Smaller</h5>` `<h6>Smaller</h6>`

`<p>Long text with lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>`

