Week 5 | HTML and CSS 1

Behind the scenes of a web page ...

http://popovichn.github.io/cuny-fundamentals-of-data/

http://www.theguardian.com/us

Setting up a web page

```
<!DOCTYPE html>
<html lang="en">
</html>
```

- 1. Text enclosed by carrot brackets (<>s) is called a tag.
- 2. Tags almost always come in pairs: an opening tag and a closing
- Example of opening tag: <html>
- Example of closing tag: </html>

Head v body

- The **head** is where you put information about your HTML file, like its title. (Stuff that won't appear on the page.)
 - The body is where you put your content, such as text, images, and links. (For human eyes!)

Basic structure: writing HTML

- Elements
 - Tags
- Attributes

Element

This is some text

Tag

This is some text

Attribute

This is some text

Header tags

```
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
```

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

HTML text formatting

Bold

 or

Italics

 or <i></i>

Adding links

Link me!

Link opens in a new tab

Link me!

Link me!

Adding images

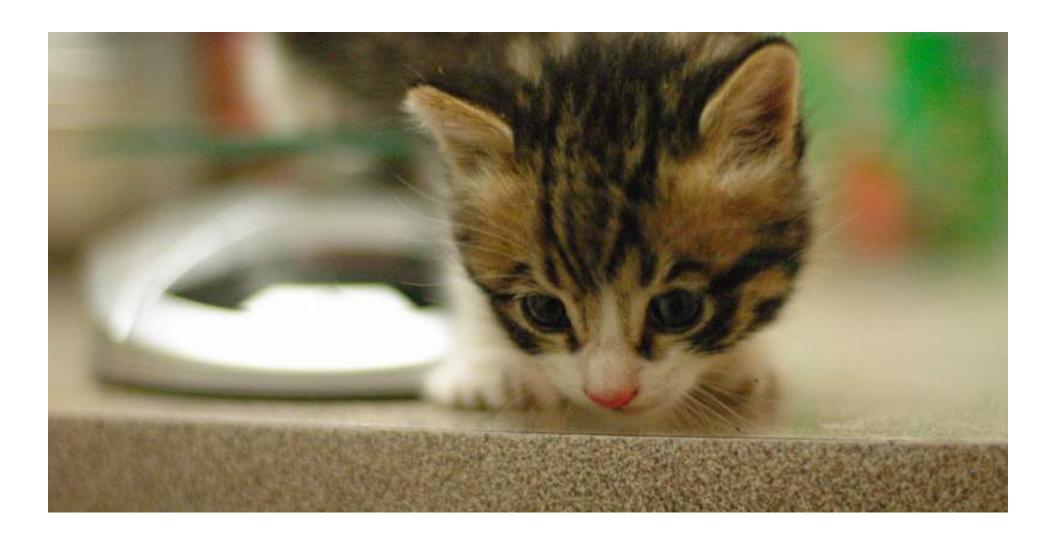


Image attributes

- src
- alt
- width
- height

```
<img src="kitten.jpg" alt="A very cute kitten!" width="800px"
height="auto" />
```

Lists

Ordered lists

```
     Thing to remember
     Another thing to remember
     One more thing to remember
```

- 1. Thing to remember
- 2. Another thing to remember
- 3. One more thing to remember

Unordered lists

```
    Thing to remember
    Another thing to remember
    one more thing to remember
```

- Thing to remember
- Another thing to remember
- One more thing to remember

BREAK!

CSS

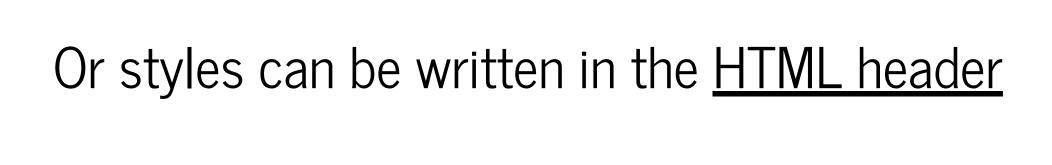
Let's get styling

<u>C</u>ascading <u>S</u>tyle <u>S</u>heets

Styles can be inline

<div class="myDiv" style="color:red;">This text is red.</div>

This text is red.



This text is red.

Selectors:

- id
- class
- element: div, a, span
- element state: a:active, a:hover, a:visited

```
#id {
}
.class {
```

```
a {
}
a:hover {
}
```

What you can control though CSS The basics

Text styles

- color
- font-family
 - font-size
- font-weight
 - text-align
- text-decoration

"The box model"

- width
- height
- border
- margin
- padding

Positioning and display

- position
- display
 - float

Other

• list-style-type

Span tags

The sky is blue

The sky is blue

BREAK!

In-class exercises

bit.ly/html-css-exercises