Setup

Action 1.

Let’s set up

Front-end languages

Structure

HTML

Structure your content

Design

CSS

Design your content

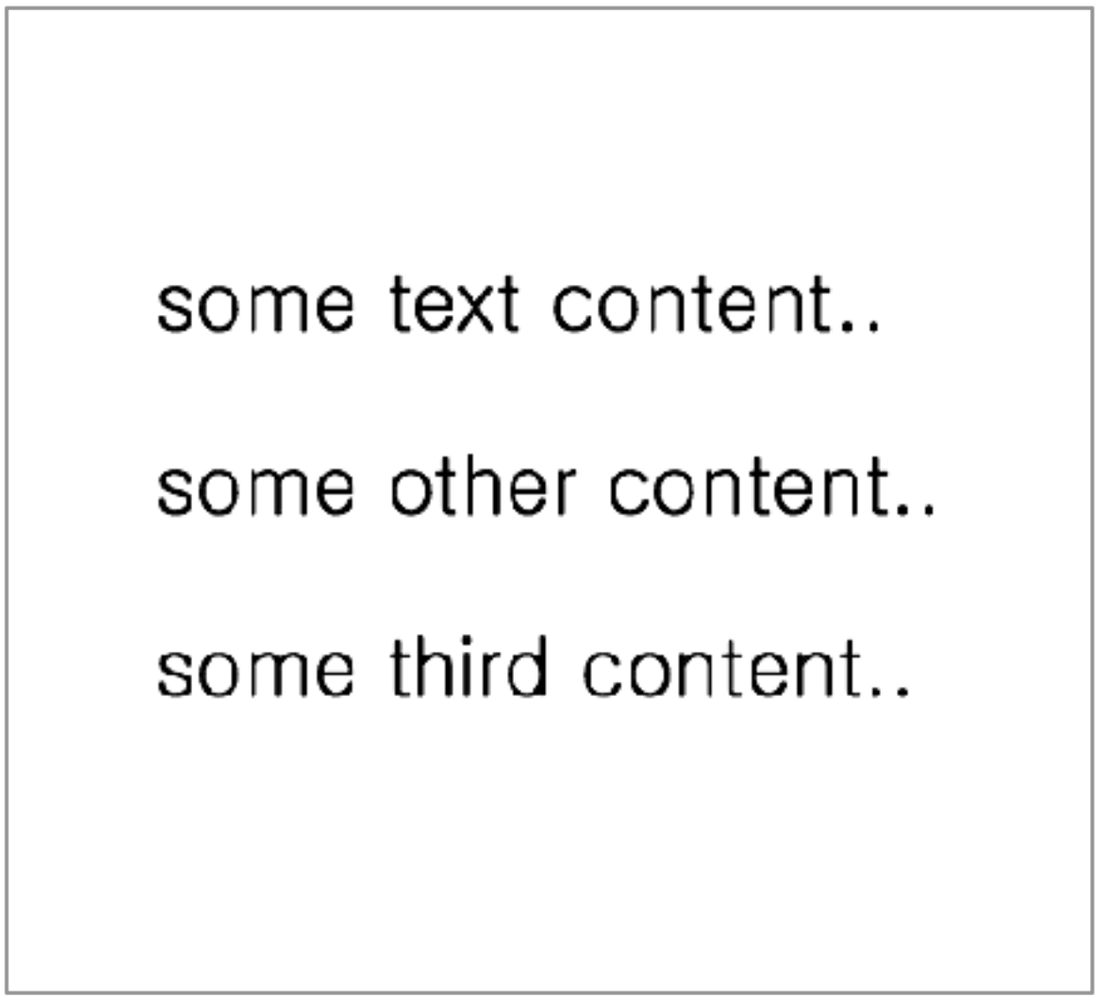
Animation

Animate your content

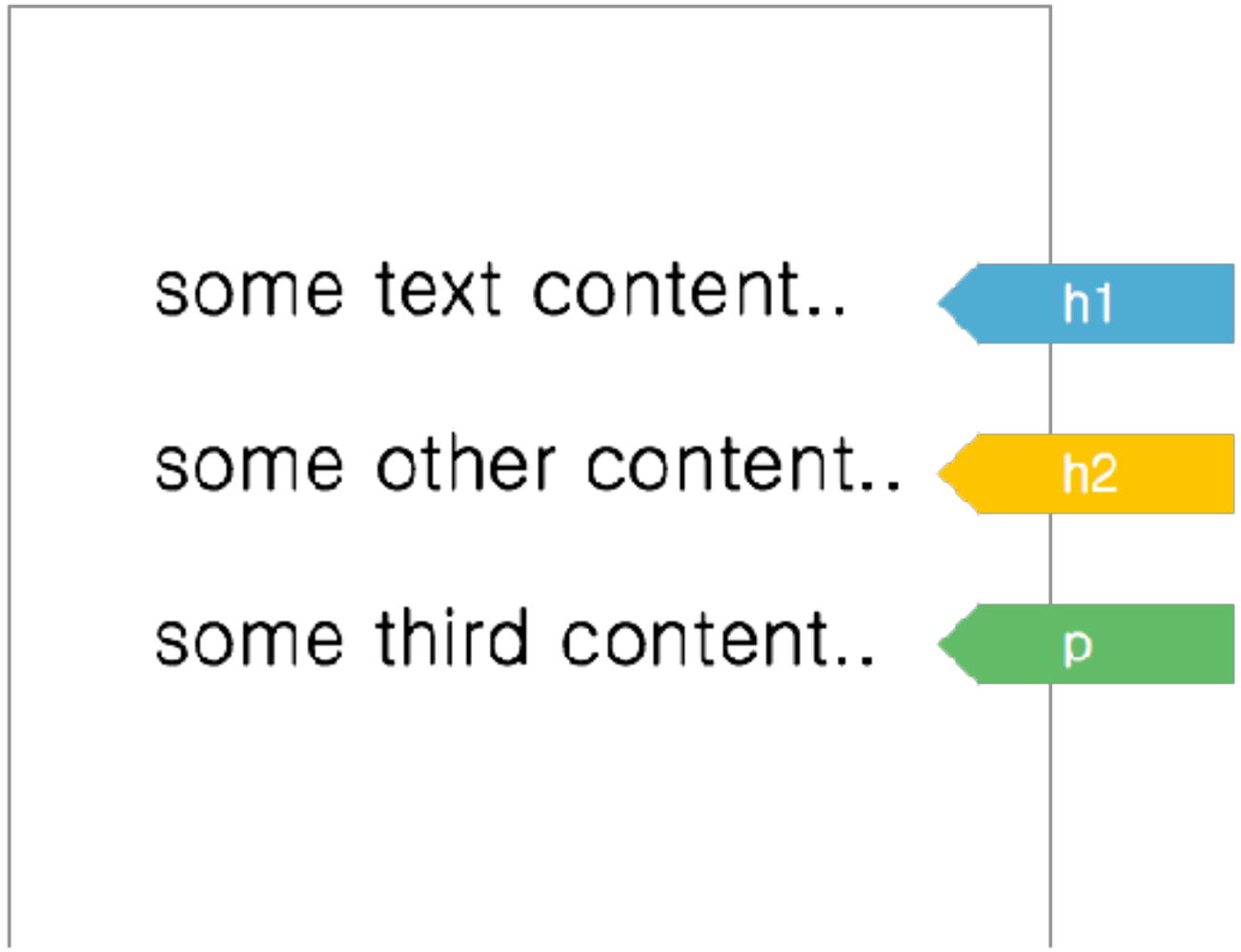
HTML

Without structure, no design

Different contents

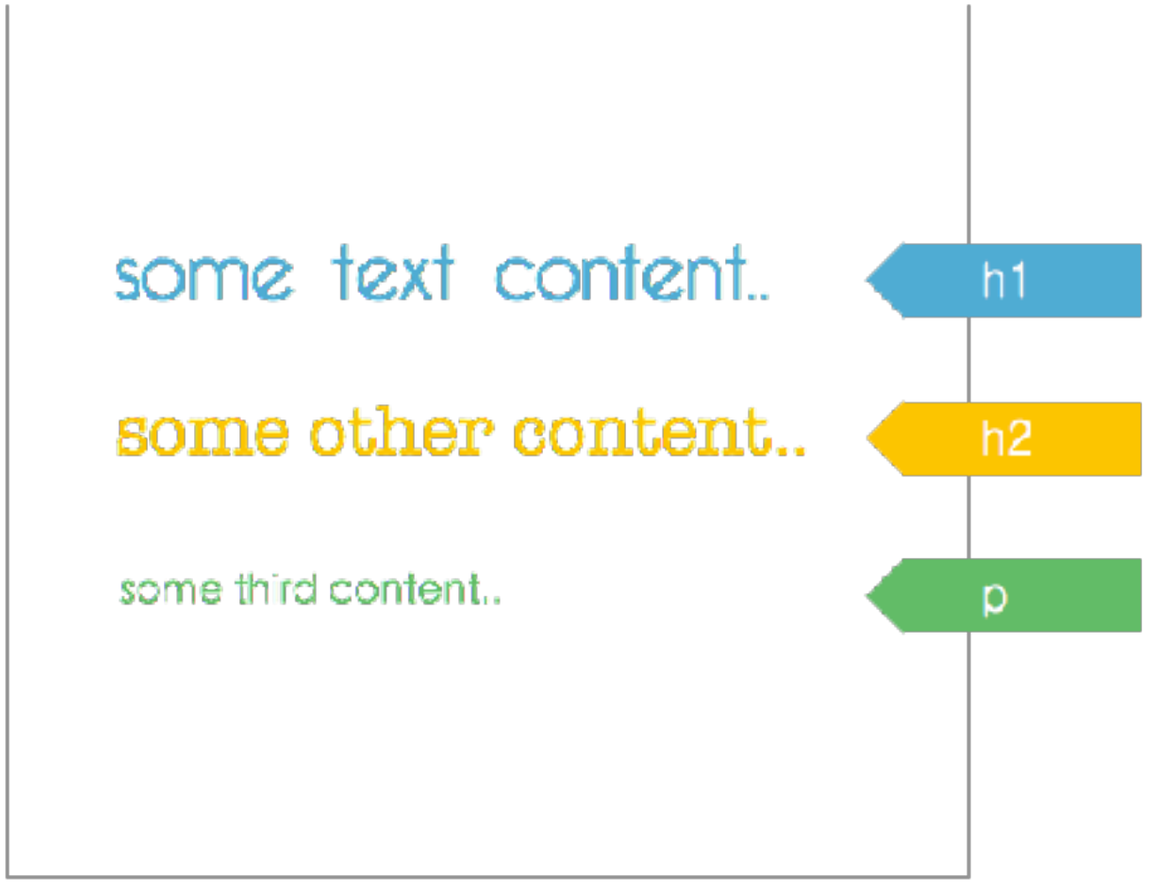


Tag them


some text content..
h1
some other content..
h2
some third content..
p

Browser apply defaults

Over-ride with CSS



Skeleton

```
<!DOCTYPE html>
```

```
<!-- end of file -->
```

Skeleton

```
<!DOCTYPE html>
<html>

   <!-- html code -->

</html>
<!-- end of file -->
```

Head & body

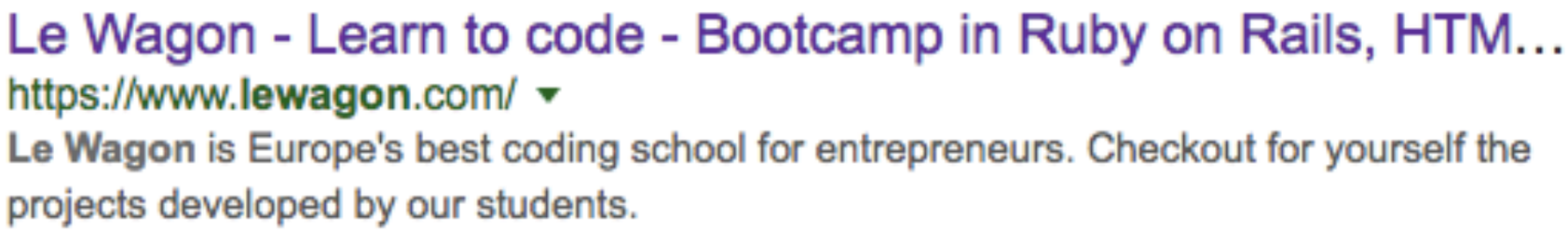
```
<!DOCTYPE html>
<html>
   <head>
      <!-- Intelligence (meta-data) -->
   </head>
   <body>
      <!-- Stuff to display-->
   </body>
</html>
<!-- end of file -->
```

Title & utf-8

```
<!DOCTYPE html>
<html>
  <head>
    <title>Landing</title>
    <meta charset="utf-8">
  </head>
  <body>
    <!-- Stuff to display-->
  </body>
</html>
<!-- end of file -->
```

Head & search

```
<head>
   <title>Le Wagon - Learn to code…</title>
   <meta name=“description" content=“Le Wagon is…”>
</head>
```



Head & Facebook

```
<head>
  <meta property="og:title" content="le Wagon - The..">
  <meta property="og:image" content="facebook-card.jpg">
  <meta property="og:description" content="Le Wagon is the…">
<head>
```

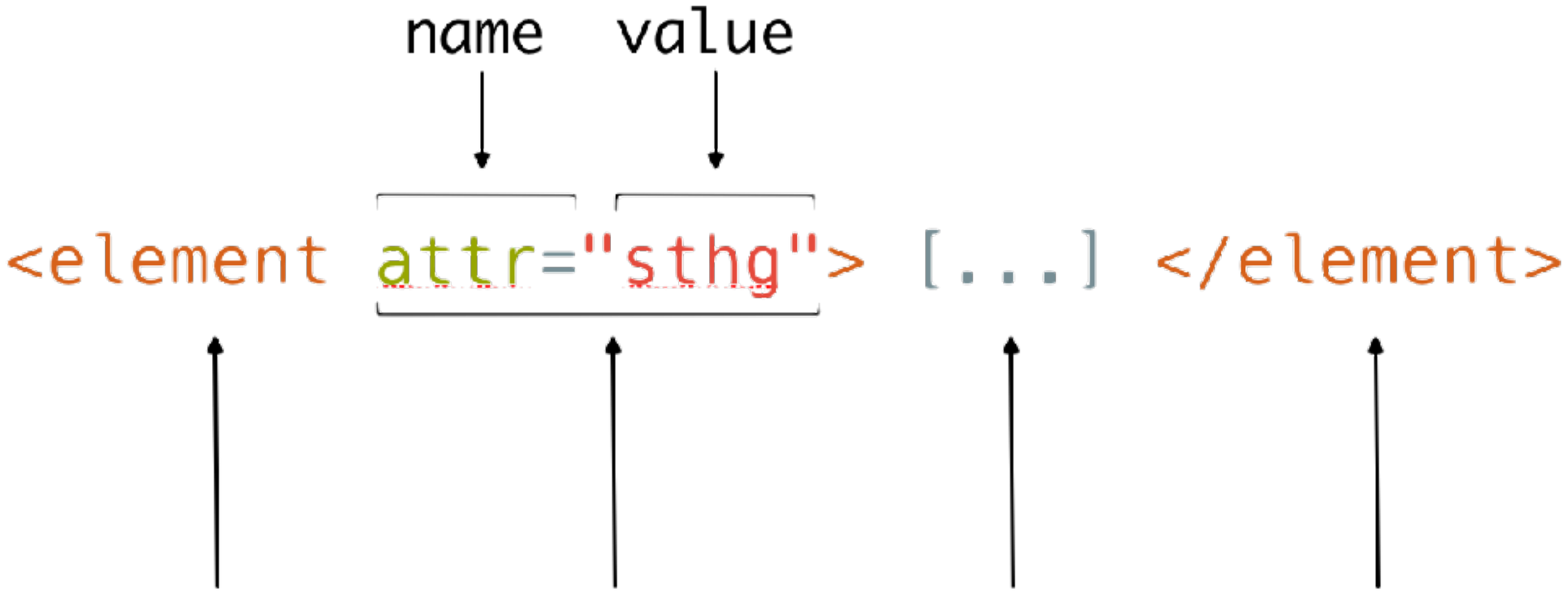
Check out http://lewagon.org/en

Le Wagon - The French innovative coding school

Le Wagon is the best French coding school for entrepreneurs. Checkout by yourself the projects of our students. You will be impressed.

WWW.LEWAGON.ORG

Core syntax


name
value
<element attr="sthg"> [...] </element>
Start tag
Attribute
Content
End tag

Syntax example

```
<a href="http://lewagon.org" target="_blank">
  Le Wagon
</a>
```

Le Wagon

What is the tag name?
What is the content?
What are the two attributes?

HTML - titles

```
<h1>[...]</h1>
<h2>[...]</h2>
<h3>[...]</h3>
<h4>[...]</h4>
<h5>[...]</h5>
<h6>[...]</h6>
```

HTML - paragraph

```
<p>
 Lorem ipsum dolor sit amet, consectetur
 adipisicing elit.Veritatis laboriosam
 autem at ab omnis iure quis
</p>
```

HTML - emphasize

```
<p>
  You can emphasise <em>some words</em>, and
  even <strong>more if needed</strong>
</p>
```

HTML - list

```
<h2>Shopping list</h2>
<ul>
  <li>Milk</li>
  <li>Butter</li>
</ul>

<h2>World Cup 2014</h2>
<ol>
  <li>Germany</li>
  <li>Argentina</li>
</ol>
```

HTML - image

```
<img src="logo.png" alt="Le Wagon logo">
```

Action 2.

Let’s add HTML content now.

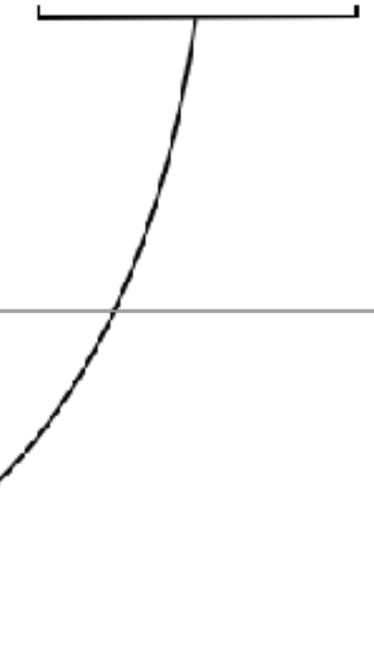
CSS

Web without CSS ?
Let’s find a page and cut its head!

Linking stylesheets

index.html

```
1 <head>
2   <link rel="stylesheet" href="style.css">
3 </head>
4 <body>
5   <h1>Hello</h1>
6 </body>
```



style.css

```
1 h1 {
2   color: red;
3 }
```

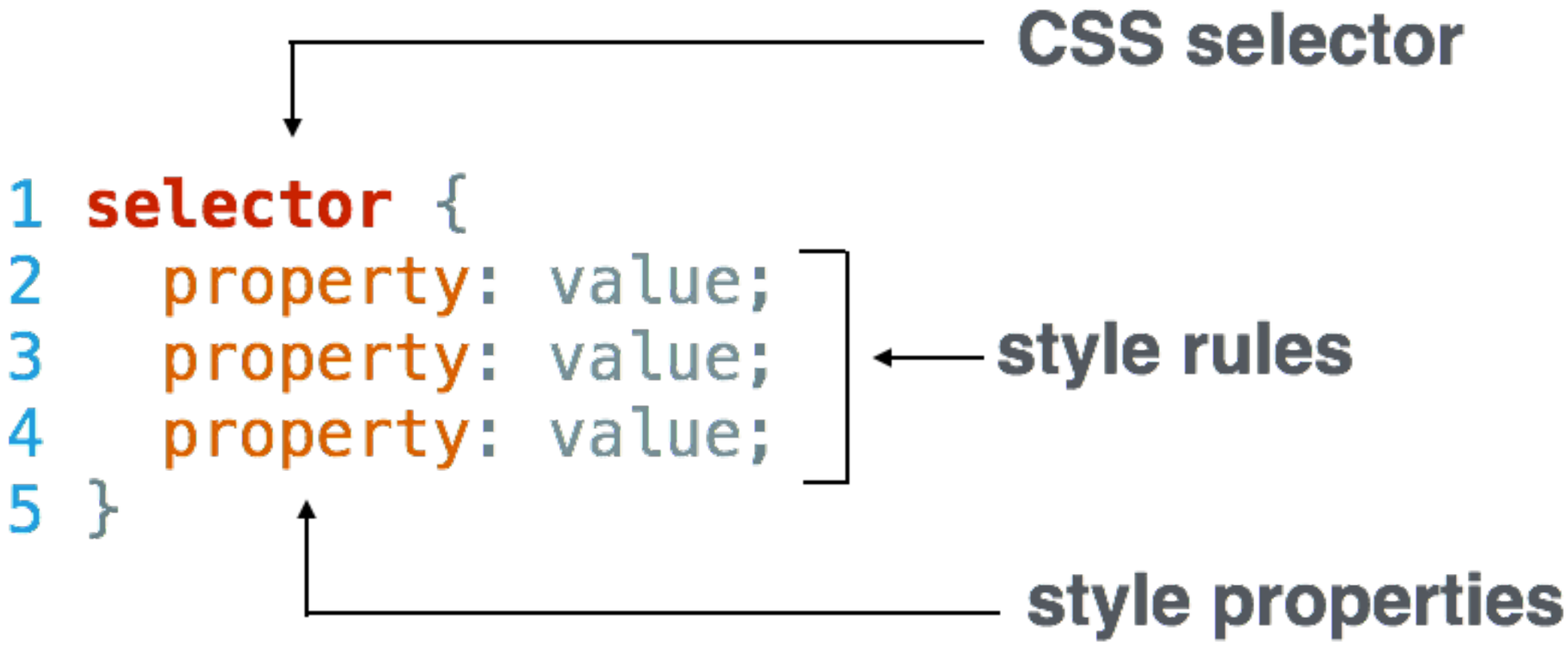
CSS syntax

selection of one or more elements of the page..

```
1 selector {
2    property: value;
3    property: value;
4    property: value;
5 }
```

..on which we define style rules

CSS vocabulary



Use the good keywords on Google

CSS example

we select
all <h2> of the page

```
1 h2 {
2    color: red;
3    font-size: 20px;
4    font-family: arial;
5 }
```

This is headline 2

Colors

```
h2 {
   color: orange;
   color: #FF530D;
   color: rgb(255, 83, 13);
   color: rgba(255, 83, 13, 1.0);
}
```

This is headline 2

RGB tips

Text vs. Background

text color

```
1 body {
2   color: orange;
3   background-color: yellow;
4 }
```

background color

Background images

```
1 body {
2   color: orange;
3   background-image: url("background.jpg");
4 }
```

Font family

```
1 body {
2  font-family: Times, serif;
3 }
```

Abc

```
1 body {
2  font-family: Arial, sans-serif;
3 }
```

Abc

```
1 body {
2  font-family: Courier, monospace;
3 }
```

Abc

Font decoration

```css
p {
  text-decoration: underline;
}
```

Abc

```css
a {
  text-decoration: none;
}
```

sign up

↓

sign up

Font size & spacing

```
1 body {
2   letter-spacing: 10px;
3 }
```

```
1 body {
2   font-size: 30px;
3 }
```

```
1 body {
2   line-height: 1.6;
3 }
```

Font weight

```
1 body {
2   font-weight: 100;
3   // from 100 to 900.
4 }
```

Light text

```
1 body {
2   font-weight: bold;
3 }
```

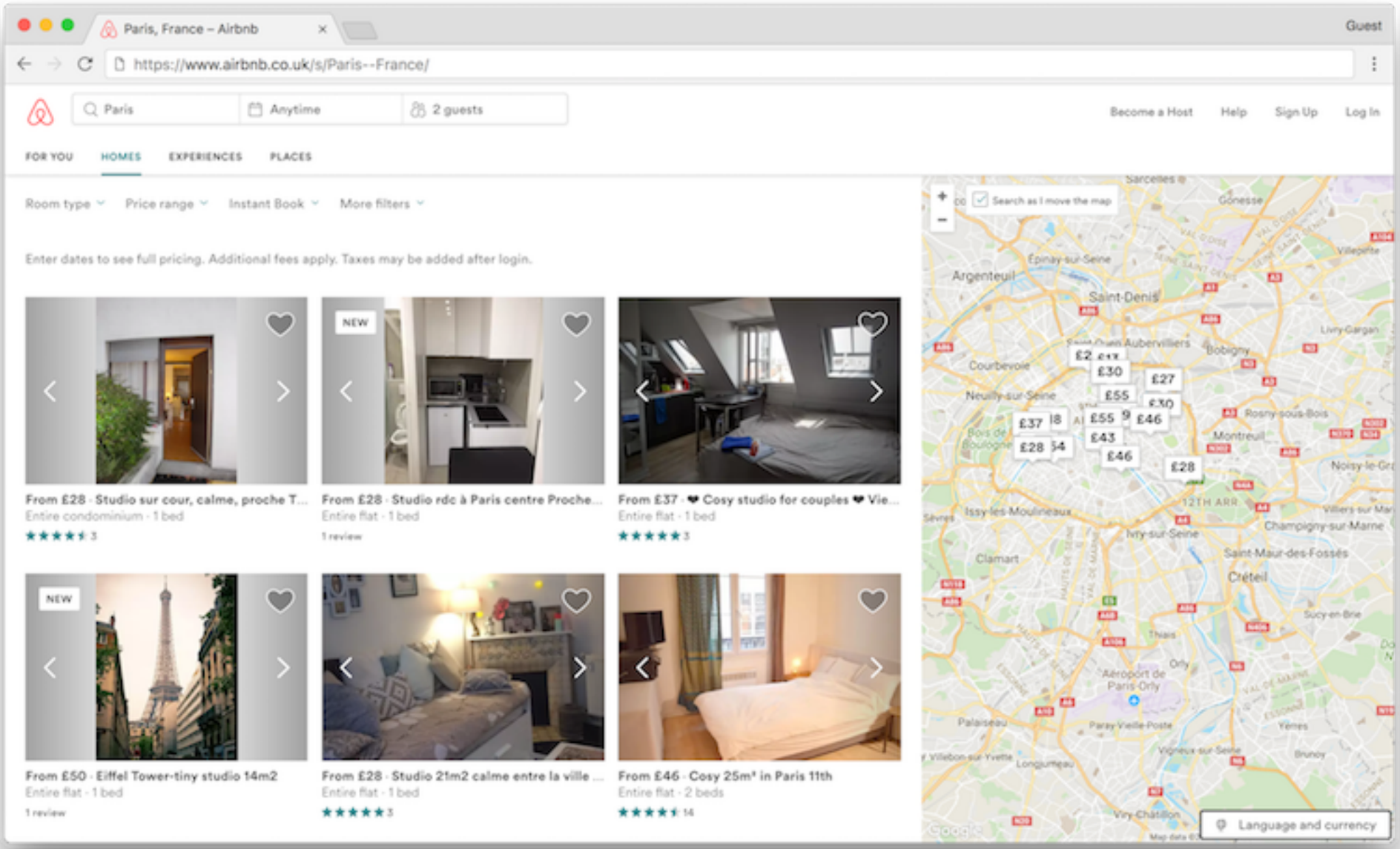
Bold text

Action 3.

CSS for Fonts & Colors

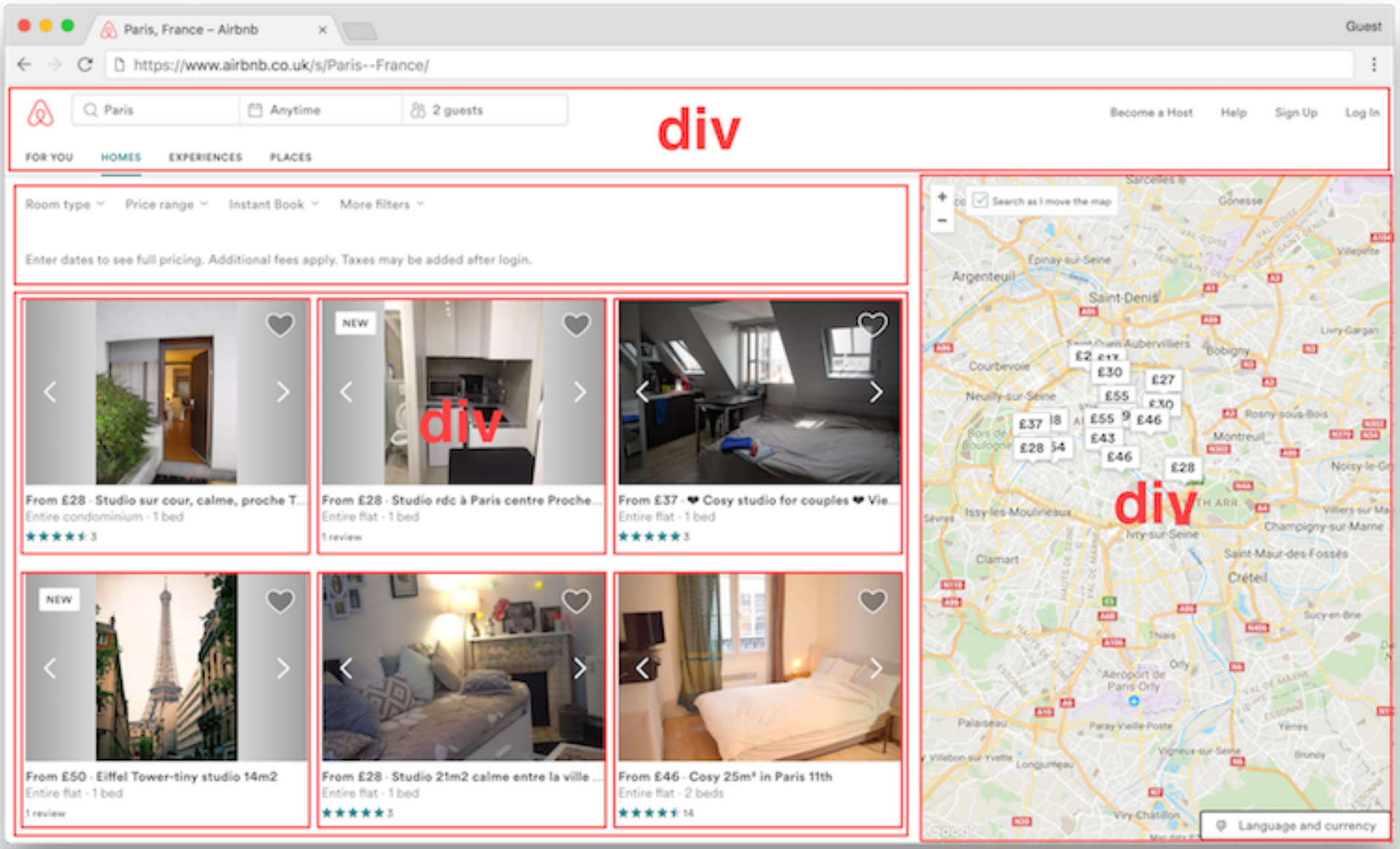
Div & Box model

Real-life...

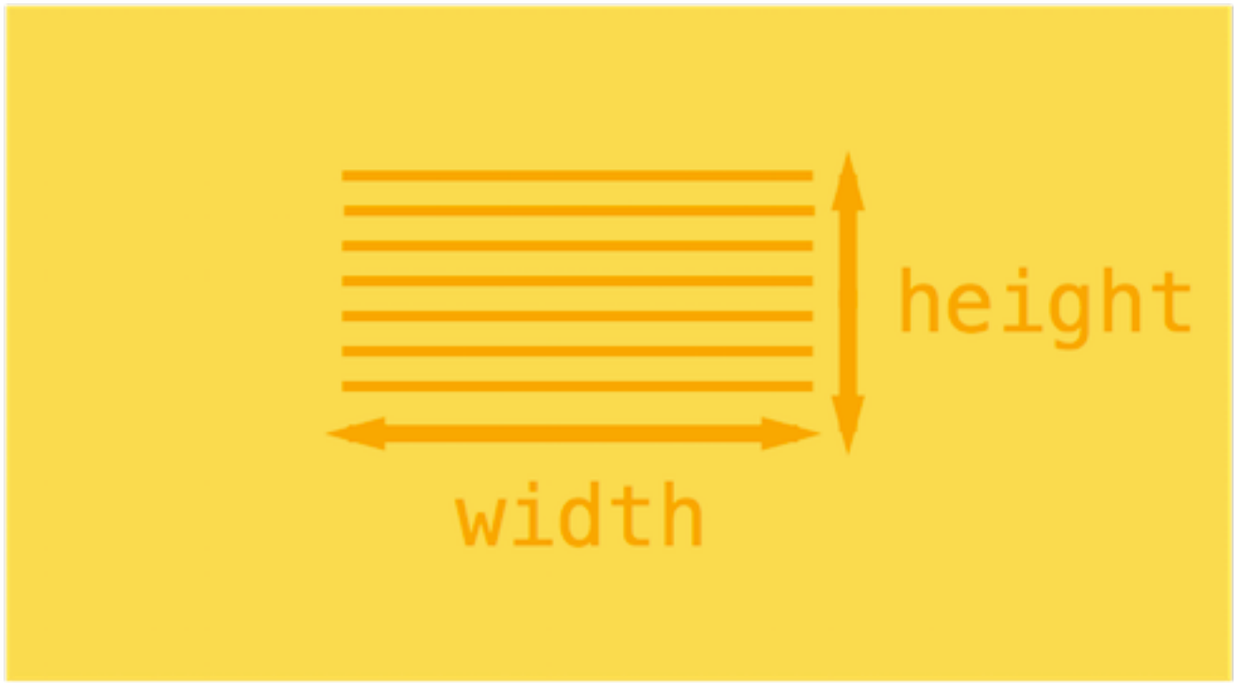


Div & Box model

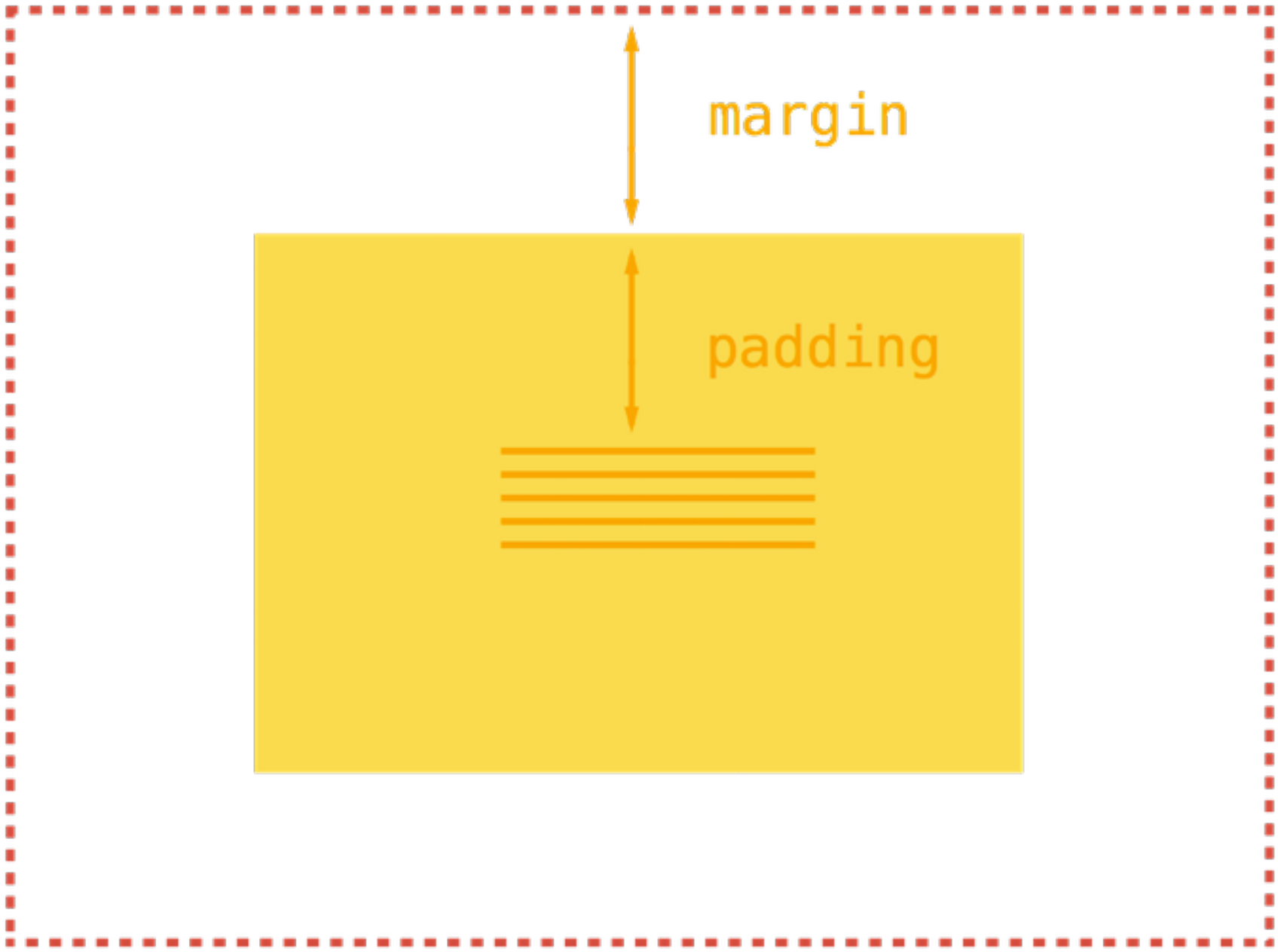
...is made of div



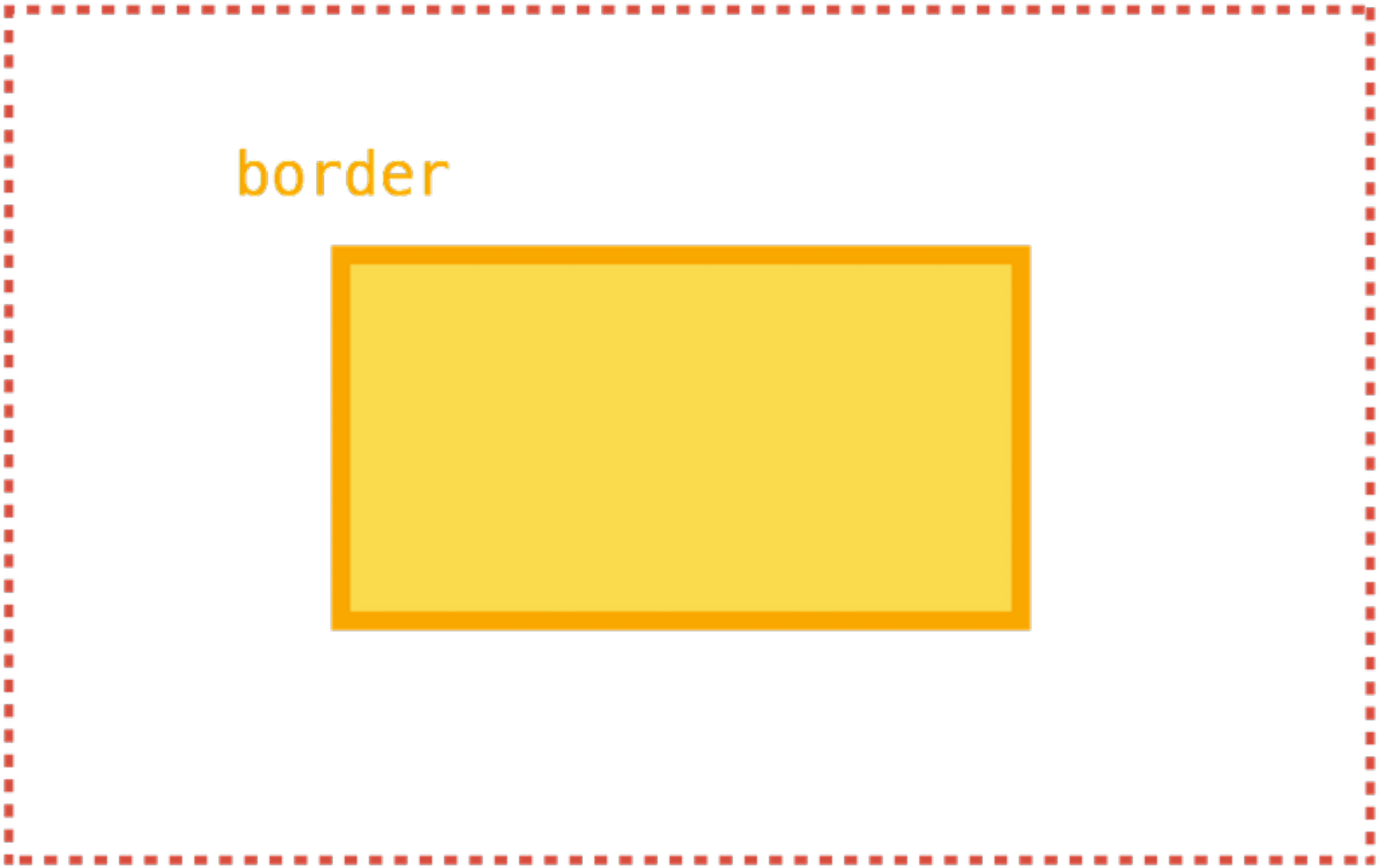
Box model - content



Box model - margins



Box model - border



Box model - border

```
div {
  border: 1px solid green;
  border: 2px dashed #FF530D;
}
```

Box model - radius

```
border-radius: 5px;
```

Box model - shadow

```
box-shadow: 2px 2px 3px blue;
```

Action 4.

Wrap with divs

id & class

how do you resize the logo only?

HTML

```
<img src="logo.png">

<ul>
  <li><img src="paul.png"></li>
  <li><img src="ringo.png"></li>
  <li><img src="george.png"></li>
  <li><img src="john.png"></li>
</ul>
```

CSS

```
img {
  width: 40px;
}
```

how do you resize the logo only?

HTML

```
1 <img src="logo.png" id="logo">
2
3 <ul>
4   <li><img src="paul.png"></li>
5   <li><img src="ringo.png"></li>
6   <li><img src="george.png"></li>
7   <li><img src="john.png"></li>
8 </ul>
```

CSS

```
1 #logo {
2   width: 40px;
3 }
```

how do you style staff pictures only?

HTML

```
<img src="logo.png" id="logo">

<ul>
    <li><img src="paul.png"></li>
    <li><img src="ringo.png"></li>
    <li><img src="john.png"></li>
    <li><img src="george.png"></li>
</ul>
```

how do you style staff pictures only?

HTML

```
<img src="logo.png" id="logo">

<ul>
   <li><img src="paul.png" class="staff"></li>
   <li><img src="ringo.png" class="staff"></li>
   <li><img src="john.png" class="staff"></li>
   <li><img src="george.png" class="staff"></li>
</ul>
```

CSS

```
.staff {
   border-radius: 50%;
}
```

id or class?

unique

```
1 <img src="logo.png" id="logo">
2
3 <ul>
4     <li><img src="paul.png" class="staff"></li>
5     <li><img src="ringo.png" class="staff"></li>
6     <li><img src="john.png" class="staff"></li>
7     <li><img src="george.png" class="staff"></li>
8 </ul>
```

HTML

recurrent

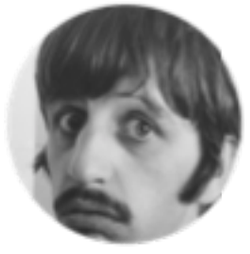
Combine

HTML

```
1 <img src="paul.png" class="staff">
```

CSS

```
1 .staff {
2    border-radius: 50%;
3 }
```



Combine

HTML

```
1 <img src="paul.png" class="staff shadow">
```

CSS

```
1 .staff {
2   border-radius: 50%;
3 }
4
5 .shadow {
6   box-shadow: 5px 5px 3px black;
7 }
```

Combine

HTML

```html
<img src="paul.png" class="staff shadow" id="lead">
```

CSS

```css
.staff {
  border-radius: 10px;
}

.shadow {
  box-shadow: 5px 5px 3px black;
}

#lead {
  border: 5px solid red;
}
```

Action 5.

Name tags