INTRO TO HTML

Presented By:
Cambert Huzynski

BUT FIRST:

https://github.com/thisisandywang/rcsa-workshop-2016

HTML:WebDev:: Bones:Human

Getting Started
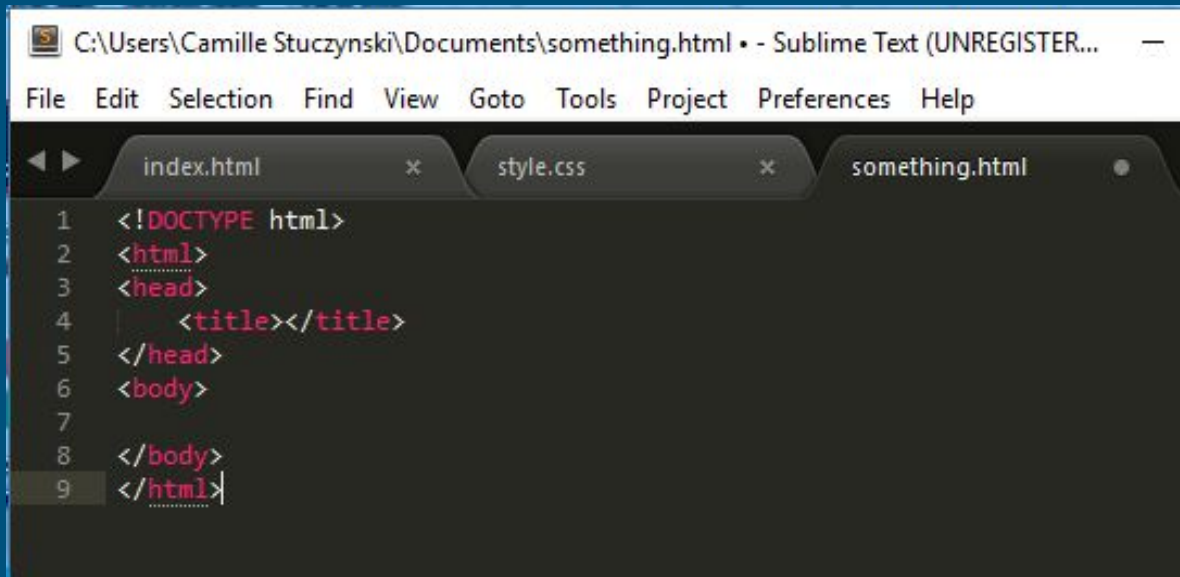
Make a Website Folder

Download Sublime 3*

Create a New File

Save as… "___.html"

Type html, click tab

C:\Users\Camille Stuczynski\Documents\something.html • - Sublime Text (UNREGISTER...

File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

index.html   ✕   style.css   ✕   something.html

```
1    <!DOCTYPE html>
2    <html>
3    <head>
4        <title></title>
5    </head>
6    <body>
7
8    </body>
9    </html>
```

*If you already have Sublime 2, the tags will NOT autofill, so copy what you see on the picture!

What do they mean???
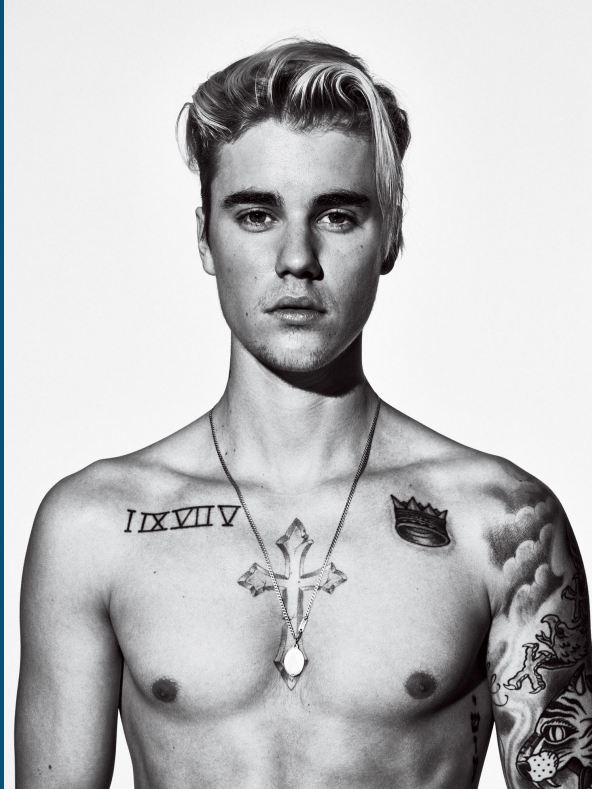
Okay JB let's actually find out

<!DOCTYPE ____>	Defines the document type	
<html> </html>	Defines the root of an HTML document	
<head> </head>	Defines information about the document	
<title> </title>	Defines a title for the document (the top tab of a webpage)	
<body> </body>	Defines the document's body (the actual text on the page)	

Basic Tags Pt2

<h1> ~ <h6>	**H1-biggest font size, H6 the smallest**
<p>	**Creates a new paragraph**
<div>	**Creates a section within the document**
<img src>	**Gives a source for an image or link**
<a>	**Links to a website**
** / / **	**Unordered list, Ordered list, list item**
<span style = "..."">	**Defines a new style for what's inside tag / creates the same changes for everything between span**

How to view the code:
- Open up our example html file in sublime
- Click open in browser
- Right click anywhere in the website and select inspect element

For safari users:
Click preferences > advanced > check box

WOW THIS IS SUCH IMPORTANT TITLE

This is, like, a subtitle

you get the idea!

pretty sure this is smaller than the actual text..

This is where you would begin writing important things about yourself... I'm going to try to fill this space a bit to make it look more full, more realistic, closer to an actual website. If this were a professional one, I could have my elevator pitch here, like "Born in such and such, a whatever year at this university studying something awesome. Wants to be a succcessful career kind of person and enjoys long walks on the beach" Good thing this isn't professional at all

This is like its own little bubble. If I wanted to change this font or this color or something, but none of my other professional stuff, I could add an id name and change it in css or just add a style tag within the div. Let's look at that!
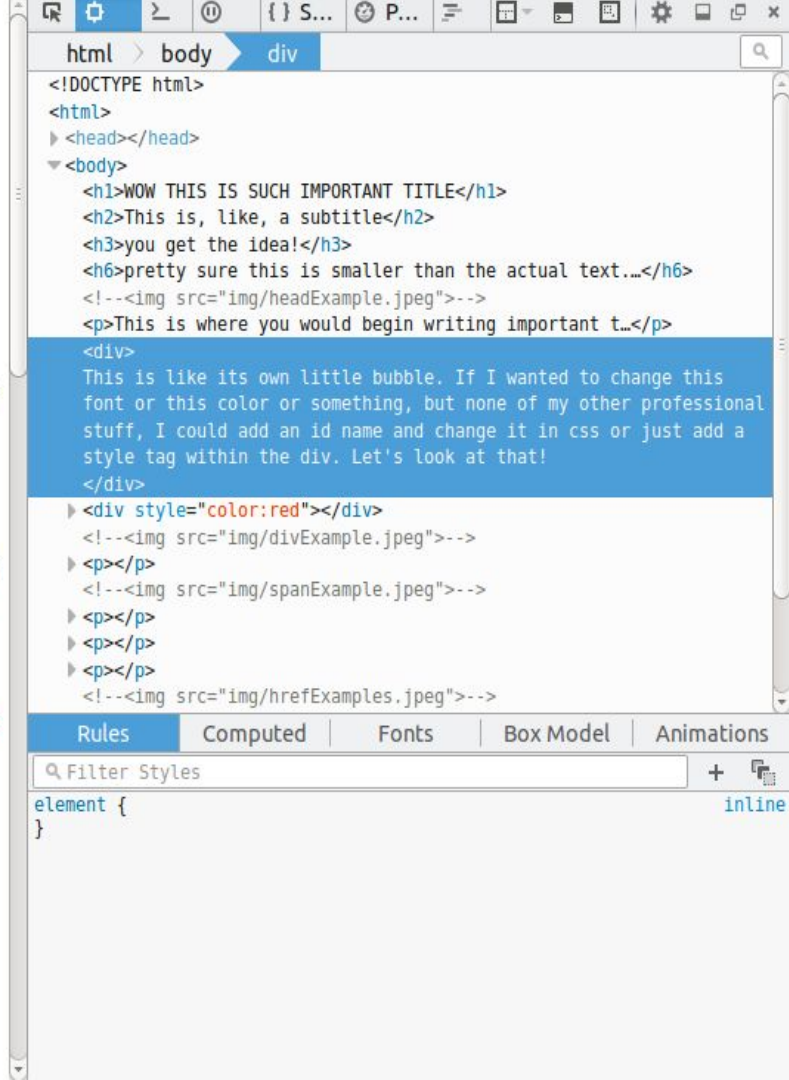Wow this is so cool and different, a div ~woah~

These words don't have their own specified style... so will they be black or red? (hint... they're inside the div space... so they're gonna be red...)

but what about this paragraph? Well it's inside the div so....it should be red? lol jk there's a hierarchy and the innermosted nested thing overwrites the out its nested so that new color (blue) overwrites the div color (red)

but here's a new paragraph and it's red again

we're done with that div now. If we wanted to potentially move it or shrink it or do whatever the hell to it, we turn to CSS and it will be super easy to change it, make it whatever want. makes it easier. Also I'm just going to add a span here, which will change things, but only these specific things that I want to change now im out of it now im back in it   and if I

---

html > body > div

```html
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <h1>WOW THIS IS SUCH IMPORTANT TITLE</h1>
    <h2>This is, like, a subtitle</h2>
    <h3>you get the idea!</h3>
    <h6>pretty sure this is smaller than the actual text...</h6>
    <!--<img src="img/headExample.jpeg">-->
    <p>This is where you would begin writing important t...</p>
    <div>
      This is like its own little bubble. If I wanted to change this
      font or this color or something, but none of my other professional
      stuff, I could add an id name and change it in css or just add a
      style tag within the div. Let's look at that!
    </div>
    <div style="color:red"></div>
    <!--<img src="img/divExample.jpeg">-->
    <p></p>
    <!--<img src="img/spanExample.jpeg">-->
    <p></p>
    <p></p>
    <p></p>
    <!--<img src="img/hrefExamples.jpeg">-->
```

Rules   Computed   Fonts   Box Model   Animations

Filter Styles

element {
}
inline

Using the <h1-h6> tags

WOW THIS IS SUCH IMPORTANT TITLE

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This is like its own little bubble. If I wanted to change this font or this color or something, but none of my other professi change it in css or just add a style tag within the div. Let's look at that!

```
<h1>WOW THIS IS SUCH IMPORTANT TITLE </h1>
<h2> This is, like, a subtitle </h2>
<h3> you get the idea! </h3>
<h6> pretty sure this is smaller than the actual text.. </h6>
```

Divs and the hierarchy

Wow this is so cool and different, a div ~woah~

These words don't have their own specified style... so will they be black or red? (hint... they're inside the div space... so they're gonna be red...)

but what about this paragraph? Well it's inside the div so....it should be red? lol jk there's a hierarchy and the innermosted nested thing overwrites the out its nested so that new color (blue) overwrites the div color (red)

but here's a new paragraph and it's red again

```html
<div style="color:red"> Wow this is so cool and different, a div ~woah~
    <p> These words don't have their own specified style... so will they be black or red? (hint... they're inside
    the div space... so they're gonna be red...)</p>
    <p style="color:blue"> but what about this paragraph? Well it's inside the div so....it should be red? lol jk
    there's a hierarchy and the innermosted nested thing overwrites the out its nested so that new color (blue)
    overwrites the div color (red)</p>
    <p> but here's a new paragraph and it's red again </p>
</div>
```

Using spans

We use spans when we want to style a specific part in a paragraph a certain way.

<p> we're done with that div now. If we wanted to potentially move it or shrink it or do whatever the hell to it, we turn to CSS and it will be super easy to change it, make it whatever want. makes it easier. Also I'm just going to add a span here, which will change things, but only these specific things that I want to change now im out of it now im back in it... and if I wanted to change these like random 10 words in the paragraph but none of the other ones, I'd go to CSS again and make the span tag do something. for now I'll change it in the html tag just to help you visualize . WOAH how did that happen??? ^^^. I'll tell you how, the strong tag! You open it, type what you want to be bolded, and then close it, yay!</p>

we're done with that div now. If we wanted to potentially move it or shrink it or do whatever the hell to it, we turn to CSS and it will be super easy to change it, make it whatever want. makes it easier. Also I'm just going to add a span here, which will change things, but only these specific things that I want to change now im out of it now im back in it... and if I wanted to change these like random 10 words in the paragraph but none of the other ones, I'd go to CSS again and make the span tag do something. for now I'll change it in the html tag just to help you **visualize** . WOAH how did that happen??? ^^^. I'll tell you how, the strong tag! You open it, type what you want to be bolded, and then close it, yay!

Hyperlinks

wow so much boring text. Let's insert a link! simply open with the "
to with the href tag This is a hyperlink to facebook now!

```
<p> wow so much boring text. Let's insert a link! simply
open with the "a" tag and give it a reference to go to
with the href tag <a href="https://www.facebook.com/">
This is a hyperlink to facebook now! </a></p>
```

This is where you actually put the link to the website you want to redirect the user to.

This is the description of the link that people click on to be redirected to the link referenced in the href tag.

Inserting images (or in Camille's case, little baby's faces)

Let's insert a photo! Make it interesting! We're going to use the img tag which is weird because it's the only tag that doesn't

name... lets try it!   This is my favorite picture of a smiling baby on the internet -Camill

```
tag that doesn't need a closing tag with the same name...
lets try it! <img src="http://2.bp.blogspot.com/-nHbtVSF675
E/UY60lQBXabI/AAAAAAAAJg/TmLiYAL8PxI/s1600/smiling-baby-
images+(15).jpg"> This is my favorite picture of a smiling
baby on the internet -Camille</p>
```

This is just a link to the image

Putting it together!

Yay okay now lets try to link to a url WITH A PHOTO AHHH I'm going to link this picture of people laughing to gradescope because gradescope is a joke lolol

Link to website

```
gradescope because gradescope is a joke
lolol <a href="https://gradescope.com/">
<img src="http://bpisecurity.com/wp-
content/uploads/2013/02/People-Laughing.
jpg"></a>
```

Description of the link

Last on our list of html tags

To make a list:

Use / to declare what type of list to use
Use <li> to add to the list

THIS IS UNORDERED
- Seven
- Two
- Forty Three

THIS IS ORDERED
1. Two
2. Seven
3. Forty Three

```
<ul> THIS IS UNORDERED
    <li> Seven </li>
    <li>Two </li>
    <li> Forty Three </li>
</ul>
<ol> THIS IS ORDERED
    <li> Two </li>
    <li> Seven </li>
    <li> Forty Three </li>
</ol> Very simple. Note that we could change the font of
the size of this list or whatever using css and tagging
the ol or ul tag.
```