

Concordia Bootcamps

WELCOMES YOU



WiFi: Concordia Guest network
Pass: WAC-Bootcamps19



Hi, I'm Kevin 🙌

I'm the program manager for Concordia Bootcamps.

concordiabootcamps.ca



Hi, I'm Scott 🖐️

I'm a frontend developer at smooch.io.



TODAY'S GOAL:

Build and deploy our
first webpage...

- 1. Introduction to HTML & CSS**
- 2. codesandbox.io**
- 3. Exercise 1 - HTML**
- 4. Exercise 2 - CSS**
- 5. And Beyond...**

TODAY

- You are going to be introduced to the very basics of web development.
- It should be super easy to pick up and quickly give you an appreciation for future complexities.

HTML / CSS

- HTML and CSS are used in **every** website!
- HTML and CSS are the foundation for more complicated skills you will learn later.
- HTML: **H**yper**T**ext **M**arkup **L**anguage
- CSS: **C**ascading **S**tyle**S**heets

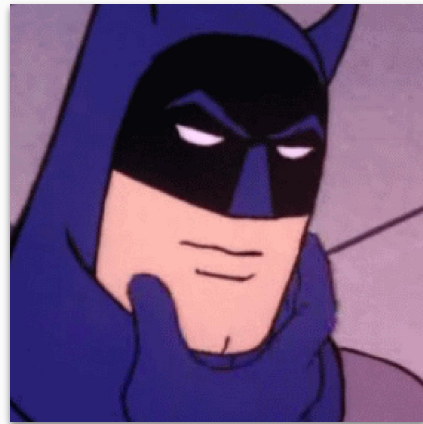


I'm programming in HTML

HTML / CSS

- HTML is the actual **content** that you deliver on internet.
- CSS is how you dress up that content. How you make it look.

... Which is more important?



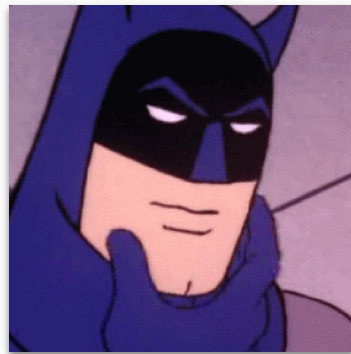
HTML

- HTML without CSS should look a lot like a text document.
- It should be readable and the content **easily** understandable by anyone reading it.
- It should not contain any presentational elements.
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- It should not contain any presentational elements.

HTML

- The content of a webpage is contained within the `<body>` tags.
- Each element needs to be wrapped in a tag as well.
- Tags should be chosen based on the semantic value of the content.

... Why?



HTML

Well-written HTML makes Google happy

- Google can more easily crawl and index your site.
- Your site will rank higher in search results.
- Less of a need to try and game the Google search algorithm.

Further Reading: [For the Love of Google, Write Good HTML!](#)

HTML

Accessibility

Further Reading: [Accessibility Drivers \(img source\)](#), [Accessibility at Google](#)

HTML

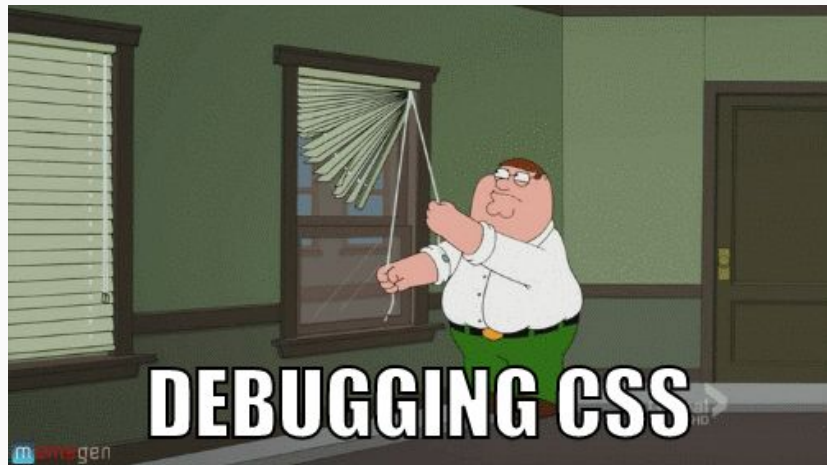
Short list of common tags

- `<h1>`, `<h2>`, `<h3>`, `<p>`, `<a>`
- ``, ``, ``, ``
- There are quite a few more, but less than you might think.
- The most common tag on a website... `<div>`

Further Reading: [HTML Cheatsheet](#)

CSS

- We use CSS to change the look of our content.
- CSS is used to change page layout, colors, fonts, text-sizes, image size, etc...
- You can do almost anything “presentational” with CSS.
- You are limited only by your knowledge of CSS



CLASSES AND IDs

- We use **classes** and **ids** in our HTML to target specific elements of the content.
- You should use **classes**, not **ids** for styling purposes.
- **ids** should be reserved for other uses, like manipulation with JavaScript. There are other uses, but styling should very rarely be one of them.

WHEN STYLING HTML

- **Always** use classes
- **Sometimes** use tag names (i.e. p, li, h1, h2)
- **Never** use ids
- **Never** use ids
- **Never** use ids

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Let's see it in action...

- Add content
- Add a class
- Customize!

-> index.html

```
<body>  
  <p class="custom-text">Hello World</p>  
</body>
```

-> style.css

```
.custom-text {  
  font-size: 24px;  
}
```

CSS

```
.custom-text {
```

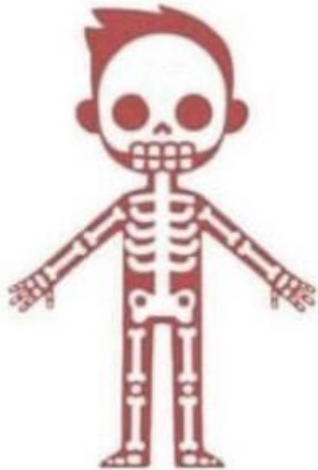
```
}
```

Hello World

```
.custom-text {  
  background: magenta;  
  border-radius: 3px;  
  color: whitesmoke;  
  font-family: Arial;  
  font-size: 24px;  
  padding: 6px;  
  text-align: center;  
}
```

Hello World

HTML / CSS



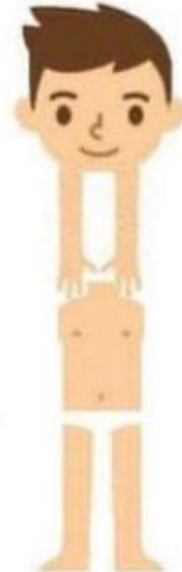
HTML



JavaScript



CSS



MOBILECSS


Design Considerations

- Your design should be consistent throughout your site
- Don't be afraid of negative space
- Responsive. (*it needs to look “good” on all screen sizes.*)

Further Reading

[Web design for Developers](#), [Good Website Design](#), [Universal Web Design Principles](#)

Design Considerations

- Choose the *right* font(s) for your message. ([DesignLab](#))
 - One font for headings and one font for the rest of the content.
 - NEVER use  or *Comic Sans*. EVER!! Seriously.

Further Reading

[Web design for Developers](#), [Good Website Design](#), [Universal Web Design Principles](#)

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WHAT WILL WE BUILD TODAY?

Using a service called Glitch, we will build and deploy a simple personal page using HTML and css.



1. Introduction to HTML & CSS
- 2. codesandbox.io**
- 3. Exercise 1 - HTML**
- 4. Exercise 2 - CSS**
- 5. And Beyond...**

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GETTING STARTED

→ Go to this url

<https://tinyurl.com/html-css-wkp>

1. Introduction to HTML & CSS
2. codesandbox.io
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1. Introduction to HTML & CSS
2. Glitch.com
3. Exercise 1 - HTML
- 4. Exercise 2 - CSS**
5. And Beyond...

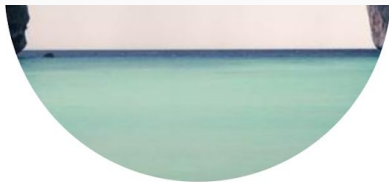
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John Smith

Frontend developer





ABOUT

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

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<https://loremipsum.io/>

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SKILLS

HTML

CSS

WORD
PRESS

JAVA
SCRIPT

BAKING

AMAZING PROBLEM-SOLVING!

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EDUCATION



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SCHOOL OF HARD KNOCKS

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1. Introduction to HTML & CSS
2. codesandbox.io
3. Create the content
4. Add the styling (CSS)
5. **And Beyond...**

USEFUL LINKS

Resources and next steps

- I always start with a clean slate by removing any default browser CSS: [CSS reset](#)
- In-depth article/how-to on [semantic HTML](#)
- [Interneting is Hard](#) is a great site with lots of information. Most of which I agree with!
- Interactive [CSS Cheatsheet](#) and a static [CSS Cheatsheet](#) (but nicer and more complete, I think.)
- Getting started with design: [color palette generator](#), [font pairings](#), [placeholder text](#)

More practice

- CSS Diner: <https://flukeout.github.io/>
- Flexbox Froggy: <https://flexboxfroggy.com/>
- Grid Garden: <http://cssgridgarden.com/>