



# Basic HTML, CSS & Web Development

A live demo workshop with Jack Domleo

 [@jackdomleo7](https://twitter.com/jackdomleo7)

SRMIST - Web Blow

# Hey, I'm Jack Domleo!



 [jackdomleo.dev](https://jackdomleo.dev)

- Front-end Web Developer - HTML, CSS, JavaScript, SCSS, TypeScript, VueJS, NuxtJS, UX, accessibility & many more to come.
- Nottingham, UK (Yes, the place where Robin Hood is from!)
- Blogger - I write about front-end development & self-development
- Founder of the [#NoPreviewHtmlCss challenge](#)
- Creator of [Cooltipz.css](#) & [Checka11y.css](#)
- Author of the eBook "[Level-Up Your Career Today: Developer Edition](#)"



@jackdomleo7

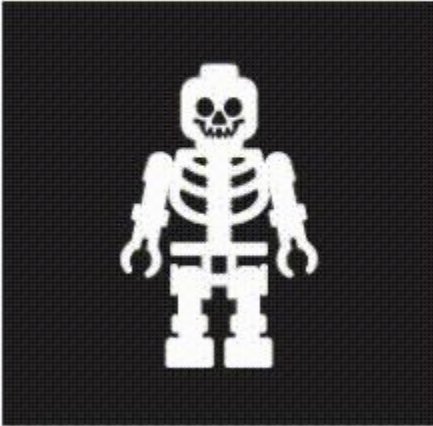
# The Web!



[https://www.slideshare.net/nagaharish\\_movva/about-best-friends-html-css-and-js](https://www.slideshare.net/nagaharish_movva/about-best-friends-html-css-and-js)

# Roles

## HTML structure



## CSS presentation/appearance



## JavaScript dynamism/action



<https://qph.fs.quoracdn.net/main-qimg-d46874fe1c78ad54e201c24a81ed4a40>

# Roles

## HTML



## JS



## CSS



<https://twitter.com/jackdomleo7/status/1311081883535650817>



## **HTML:** HyperText Markup Language

- Layout
- Structure
- Meaning



## **CSS:** Cascading Style Sheets

- Style
- Colour
- Presentation



# HTML History

- 1991: HTML
- 1994-1995: HTML 2.x
- 1997: HTML 3.x
- 1999: HTML 4.x
- 2000: XHTML
- 2009: HTML 5



Tim Berners-Lee

Will there be a HTML 6?

- No. HTML 5 is the final version of HTML and will henceforth be known as HTML. HTML will continually be updated with new features without version numbers.

# HTML

## Elements

- p
- h1 h2 h3 h4 h5 h6
- header main footer
- div span
- Many many more!

Tags - Identify the start & finish of an element



```
1 <p>Hello, world!</p>
```

## Structure



```
1 <!-- header & main are siblings -->
2 <header>
3   <h1>I am a child and direct child of header.</h1>
4 </header>
5 <main>
6   <p>
7     I am a child and a direct child of main.
8     I have no relation to header.
9   <span>
10     I am a child of main and p.
11     I am a direct child of p.
12   </span>
13 </p>
14 </main>
```



# CSS History

- 1991: HTML
- 1994-1995: HTML 2.x
- **1996: CSS 1**
- 1997: HTML 3.x
- **1998: CSS 2**
- 1999: HTML 4.x
- 2000: XHTML
- **2005: CSS 3**
- 2009: HTML 5



Håkon Wium Lie

There will be no CSS 4. CSS 3 will henceforth be known as CSS.

Read more about why here: <https://css-tricks.com/css4>



# CSS

## Key components

- Selectors
- Declarations
- Property
- Value

## Other important information

- American-English
- kebab-case
- Line ends in a semi-colon
- A property & value are separated by a colon
- Declarations are wrapped in curly braces



# Types of CSS selectors - Element



```
1  p {  
2    font-size: 16px;  
3    color: red;  
4  }
```



```
1  <p>I have been targeted.</p>  
2  <h2>I have NOT been targeted.</h2>
```

# Types of CSS selectors - Class



```
1  .myClass {  
2    font-size: 16px;  
3    color: red;  
4  }
```



```
1  <p class="myClass">I have been targeted.</p>  
2  <p class="yourClass">I have NOT been targeted.</p>  
3  <h2 class="myClass yourClass">I have been targeted.</h2>
```



## Types of CSS selectors - All



```
1  * {  
2    font-size: 16px;  
3    color: red;  
4  }
```

**EVERYTHING!!!**

# CSS Box Model

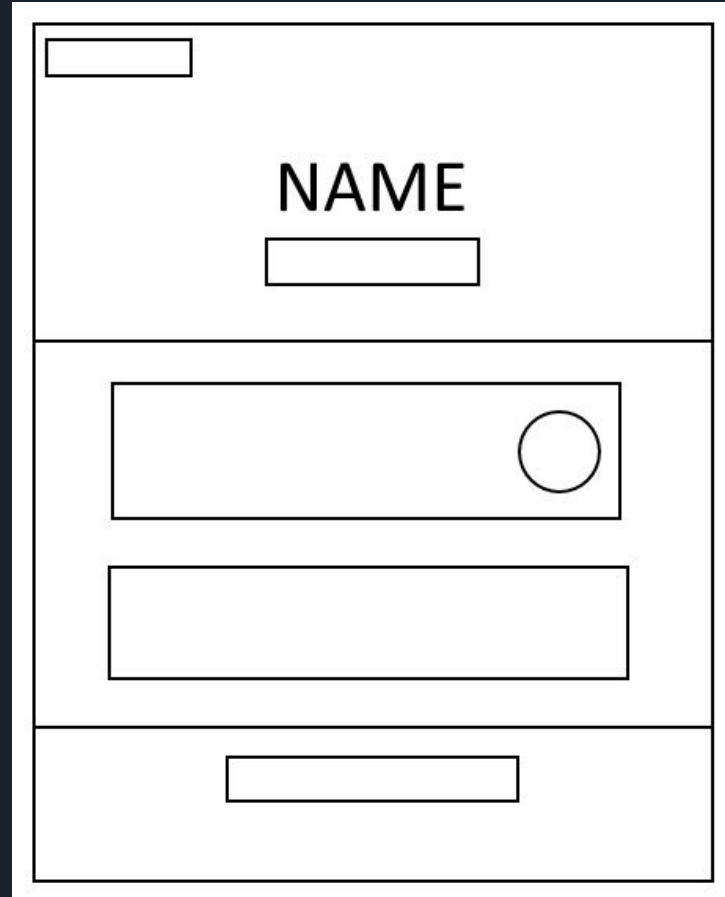



Play around with the box model to understand it: <https://codepen.io/carolineartz/pen/ogVXZi>



# Wireframe

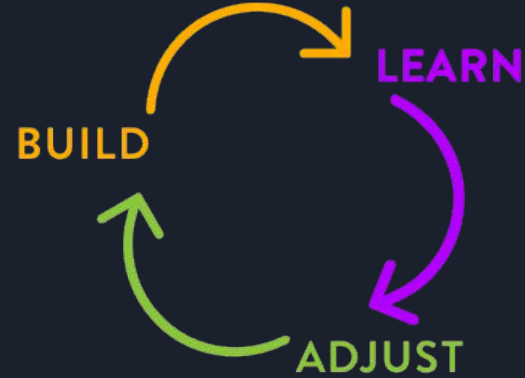
- Navigation
- Header
- Content
- Footer





# It doesn't have to be perfect! Iterate!

- Build something and release it
- Review it
- Improve it
- Learn something new? Add it



## Consider in the future:

Favicons, custom domain, accessibility, functionality, performance, contact form, animations, transitions, refactor, compress, redesign





# There's so many areas after HTML & CSS...

You do **not** have to learn it all!

- JavaScript
  - jQuery
  - VueJS
  - ReactJS
  - AngularJS
  - TypeScript
- PHP
- CSS Preprocessors
  - Sass/SCSS
  - LESS
  - Stylus
- HTML Preprocessors
  - Pug
  - Haml
- Responsiveness (dimensions, device preferences, etc)
- Accessibility (HTML semantics, WCAG, etc)
- JAMstack
- Static websites
- Single Page Applications (SPA)
- Or an entirely new area of development:
  - Backend
  - Automation
  - Native applications
  - Game development
  - Etc



# You **will** do great things!

What have I done so far?

## Personal:

- [Cooltipz.css](#) & [Checka11y.css](#)
- Fully working static [portfolio website](#) & blog (with RSS feed & themes & custom domain)
- 2 Twitter bots ([@DarkMemeLordBot](#) & [@NoPreviewHtmlCs](#))
- Published websites such as [ellaparsons.design](#) and [www.tmdip.co.uk](#)

## Through employment:

- Airline website
- Airline intranet
- Access control
- Payroll
- Design system



# What should I do now, Jack?

## Get an understanding:

- Find what's best for you
- Maybe rewatch this workshop
- Get an understanding of what area of development you want to be in
- **PROJECTS!**
  - Any project
  - GitHub
  - Iterate, Improve, Strive

## Places to learn:

- CodeCademy
- freeCodeCamp
- Twitter (follow tech people)
- DEV, Hashnode, Medium
- **PROJECTS!**

Questions 🤔

Thanks for joining 😊



@jackdomleo7