

CSS: Questions over reading

CH 7

- Colors
- Transparencies
- o URLs
- o Rules
- Properties
- o etc.

• CH 9

- Selectors
- Relationships
- Pseudo Elements
- o Pseudo Classes
- o etc.



CSS: Last Week Review

- More in depth look into HTML
 - Why HTML is important
 - Browsers are designed to render HTML
 - HTML has 3 main components
 - Text
 - References
 - Markup
 - Parts of HTML Doc
- Set up working 'class-directory'
- HTML Semantics

- Learned what HTML is meant to do and not do
- Type of Elements
 - Block
 - o Inline
- Accessibility
- SEO
- Elements, Attributes, and Values
- Parent > Child relationships
- URLs, linking items
- File naming

CSS: Image Optimization

- Last week we didn't cover Image Optimization
 - a. Download a **LARGE** Google Image
 - b. Open https://tinypng.com/
 - c. Drag & Drop or Select from filesystem
 - d. Compare Images
- Do note I have seen issues with this and shadows on .png files with terrible results

Image Optimization in my experience is a great way to cut a ton of weight on your site loading

Submit all your wireframes

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Wireframes Needed

- Media Page
- Merch Page
- Tour Dates Page
- Homepage
- About Page
- Discography Page

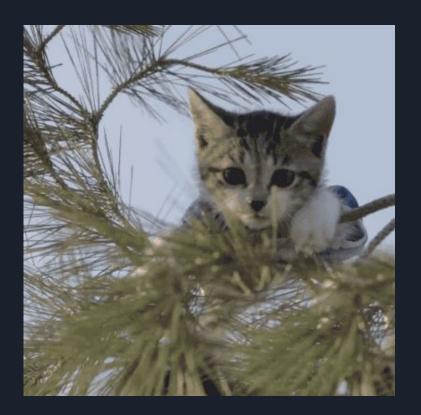
Designing Your Website

Don't over think this part we are not looking for award winning designs. I want to see what colors you are going with, see some images placed in, and bring some life to your wireframes

- Open Photoshop or Sketch
- Set canvas to 1440px wide
 - Height does not matter when setting up 1024px is a good starting point
- I like to set my working content to 1200px
 - o I set guides at 120px and 1,320px
- For ease of designing make spacing of elements by units of 5px
- Grab Custom Fonts from Google Fonts only
- Bulma UI Kit
- Other Kits
 - Bootstrap 3 UI Kit
 - o 14 Bootstrap 4 UI Kits
 - o Free UI Kits

CSS Helpful Resources

- StackOverflow CSS
- W3Schools CSS
- Can I Use?
- CSS Cheat Sheet



CSS: What is CSS?

- CSS stands for Cascading Style Sheets
- Where HTML defines your content's meaning CSS defines the appearance
- CSS can describe how HTML elements are displayed on
 - Screens
 - Paper
 - Other Media
- External stylesheets are stored in .css files
- CSS1 was released proposed in '94 and released in '96

CSS: Solving a Big Problem

- HTML was never intended for presentation
- HTML was created to **describe the content** of a web page
- HTML 3.2, released in '97, allowed for attributes to affect a web pages presentation
- With CSS1 being released it was able to create a "separation of concerns" between presentation and content meaning

CSS: Constructing a Style Rule

- Selector identifies the element(s) you want to format
- Property a property is always associated with a Value
- Value is the allowable option(s) for a Property

```
p { color: red; }
```

- p is the *selector*
- color is the *property*
- red is the value



CSS: Loading in Styles

5.

Load in styles.css

<!doctype> CSS can be brought in with various methods <html> **External Files** Embedded <style> blocks <head> Inline Styles <title></title> k rel="stylesheet" type="text/css" href="./assets/stylesheets/styles.css" /> Open /class-directory 2. <style></style> Within /assets/stylesheets New File > styles.css </head> Add a Comment: /* CSS Comment */ 3. Create css-styles.html <body><div class="myBox">...</div></body> 4. Add <style> tag in the head

</html>

CSS: Specificity

"Apart from Floats, the CSS Specificity is one of the most difficult concepts to grasp in Cascading Stylesheets" - Smashing Magazine

- Determine which CSS rule is applied by the browser
- Every selector has place in specificity hierarchy

5 Categories of specificity

- 1. Inline Styles
- 2. IDs
- 3. Classes
- 4. Attributes
- 5. Elements

CSS: Specificity

- Overriding styles can be done in a couple of ways
- When overriding styles things can become confusing very quickly so do this with caution



CSS: Specificity examples

CSS: Inheritance

Inheritance and the cascade are two fundamental concepts in CSS.

- Inheritance is associated with how the elements in the HTML markup inherit properties from their parent elements and pass them on to their children
- The cascade relates to CSS declarations being applied to a document, and how conflicting rules do or do not override each other

This is important because it keeps your code DRY (Don't Repeat Yourself) by cutting down on redundant code.

CSS: Inheritance Example

CSS: Block Elements

- Inline Elements
 - Respect Left & Right margins and padding but **not** top & bottom
 - Cannot have a width and height set
 - Allow other elements to sit to their left and right
- Block Elements
 - Respect all
 - Force a line break after the block element
- Inline-block Elements
 - Allow other elements to sit to their left and right
 - Respect top & bottom margins and padding
 - Respect height and width

Background: the difference between div and span

W3schools Block-level Elements

CSS: Block Example

CSS: Pseudo Classes

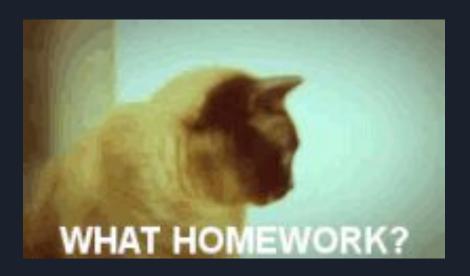
- Defines a special state of an element
- Style an element when you perform an action

selector: pseudo-class { property: value; }

MDN web docs Pseudo-classes

Pseudo Class Examples

Week 3: Homework



- Start Designing your Website
 - Finish Desktop Designs for:
 - Homepage
 - About
 - Discography
- Read Chapters
 - 0 10 & 11