Advanced CSS Styling

Goals for tonight

- Selectors
- Margin/Padding with px and %
- Max/Min height and width
- Background Images
- External CSS
- CSS Libraries

CSS Selectors

We learned class and id selectors but there are multiple ways you can select HTML elements on your page. They include:

- Class - .
- ID - #
- Element name
- Pseudo Selectors
- There are ways to use selectors but they get INSANELY complicated
  - https://www.w3schools.com/cssref/css_selectors.php

We will cover Element Name and Psuedo Selectors tonight

Element name

You can use the elements name to apply a style to all elements of that type on your webpage
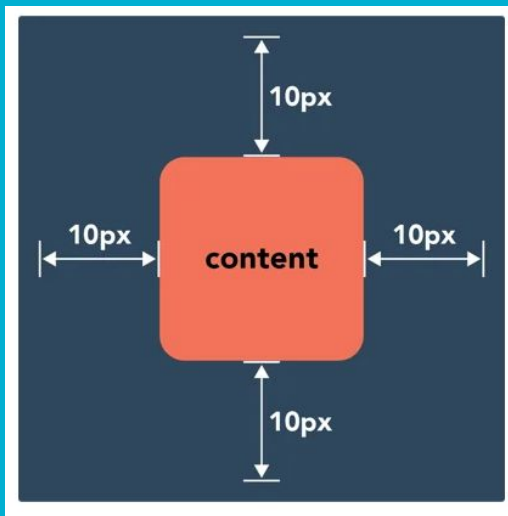
p{}

text{}

body{}

h1{}

CSS Pseudo Selectors

Pseudo Selectors are selected typically when someone is interacting with your page. You use them by typing the selector, a colon, and the selector action
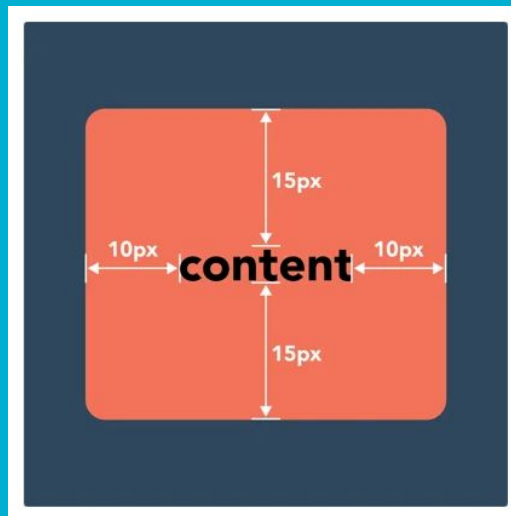
```
#input-box:hover {

        background-color: yellow;

}

#input-box:focus {

        width: 100%;

}
```

Margins and Padding

Margin

Padding

PX vs % - AKA absolute vs relative

- px indicates pixels. Typically px is used when needing things to be an exact size. Note px does not scale well when things are resized. px is an absolute length
- % is more widely used to create scalable web pages. % works by taking the full width or height of the container it is in an scaling accordingly. % is relative length

Max and Min Height/Width

- Max-Width or Max-Height indicates the maximum width or height an element can be
  - `max-width: 500px;`
- Min-Width or Min-Height indicates the minimum width or height an element can be
  - `min-width: 50px;`

Background Images

There are multiple properties you can set when using a background image. Below are some of the most common properties you will use

```css
background-image: url("URL OR PATH TO IMAGE");

 background-color: #ccc111;

background-repeat: no-repeat;

background-position: center;

background-size: auto;

background-size: 800px 800px;
```

CSS Examples

Here are some cool websites with CSS examples

https://freefrontend.com/css-code-examples/

https://devdevout.com/css

External CSS

External CSS is a way to use a file as your CSS

You can have in-line (style=), internal (<style>), and external css all work on the same page

External CSS allows you to reuse CSS between pages

Example:

```
<link rel="stylesheet" href="mystyle.css">
```

CSS Libraries

There are thousands of CSS libraries out there that make styling your page easy

https://tailwindcss.com/

https://getbootstrap.com/docs/3.4/css/

https://purecss.io/