Front End

Software Development

CSS

Lesson 02

Agenda

- Questions
- Intro to CSS
- CSS Basic Properties
- CSS Float
- CSS Pseudo Classes
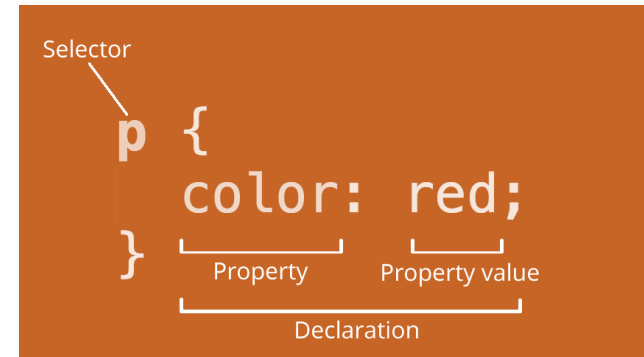- HTML Box Model

Questions

Intro to CSS

- **C**ascading **S**tyle **S**heets
  Applies design using
  key/value pair properties
  - **property**: **value**;

- Usage
  - Inline

    `<tag style="..." />`
  - Internal or External CSS

    `<head>`

    `<style> </style>`

    `<link rel="stylesheet" href="styles.css" />`

    `</head>`

- Selectors
  - **tag** { }
  - **.class** { }
  - **#id** { }

```
Selector
p {
    color: red;
}
        Property   Property value
          Declaration
```

```
height: 100px;
width: 10px;
color: #ff0000;
border: solid 1px #00ff00;
```

```
<p class="error">
  <span id="code">10</span>
</p>

p { border: solid 1px #000; }
.error { color: #f00; }
#code { font-weight: bold; }
```

CSS Basic Properties

```
selector {
  property: value;
}
```
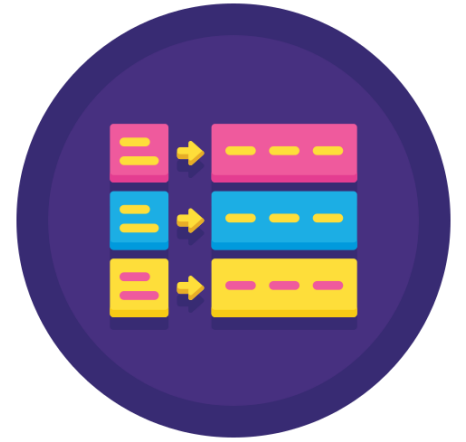
- Common Properties
  - color
  - background, background-color
  - border-style, border-width, border-radius
  - height
  - text-align
  - font
  - padding
  - margin
  - text-decoration

- Browser Specific Properties
  - Use carefully. Test… Test… Test Again.
    https://caniuse.com/

CSS Float

- Float
  - Takes item out of "flow"
  - Multiple floated items "stack"

LEFT ALIGN
FLOAT: LEFT;
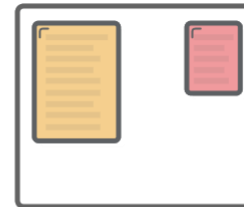
CENTER ALIGN
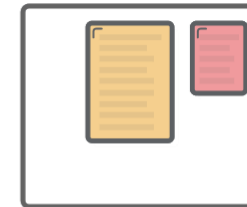MARGIN: 0 AUTO;
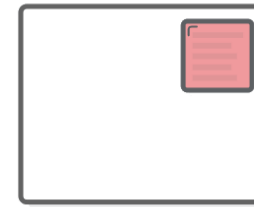
RIGHT ALIGN
FLOAT: RIGHT;

SIDEBAR LEFT
CONTENT LEFT

SIDEBAR LEFT
CONTENT RIGHT

SIDEBAR RIGHT
CONTENT LEFT

SIDEBAR RIGHT
CONTENT RIGHT

CSS Pseudo Classes

```
selector:pseudo-class {
    property: value;
}
```

User Actions

- **:hover**

  Matches when a user designates an item with a pointing device, for example holding the mouse pointer over it.

- **:active**

  Matches when an item is being activated by the user, for example clicked on.

- **:focus**

  Matches when an element has focus.

Location

- **:link**

  Matches links that have not yet been visited.

- **:visited**

  Matches links that have been visited.

Tree-structural

- **:nth-child**

  Uses An+B notation to select elements from a list of sibling elements.

- **:first-child**

  Matches an element that is the first of its siblings.

- **:last-child**

  Matches an element that is the last of its siblings.

And Lots More!

:active	:host-context()	:out-of-range
:any-link	:hover	:past
:autofill	:indeterminate	:picture-in-
:blank	:in-range	picture
:checked	:invalid	:placeholder-
:current	:is()	shown
:default	:lang()	:paused
:defined	:last-child	:playing
:dir()	:last-of-type	:read-only
:disabled	:left	:read-write
:empty	:link	:required
:enabled	:local-link	:right
:first	:not()	:root
:first-child	:nth-child()	:scope
:first-of-type	:nth-col()	:state()
:fullscreen	:nth-last-child()	:target
:future	:nth-last-col()	:target-within
:focus	:nth-last-of-	:user-invalid
:focus-visible	type()	:valid
:focus-within	:nth-of-type()	:visited
:has()	:only-child	:where()
:host	:only-of-type	
:host()	:optional	

HTML Box Model

Components
- Padding
- Border
- Margin

Applied to: Top, Right, Bottom, Left
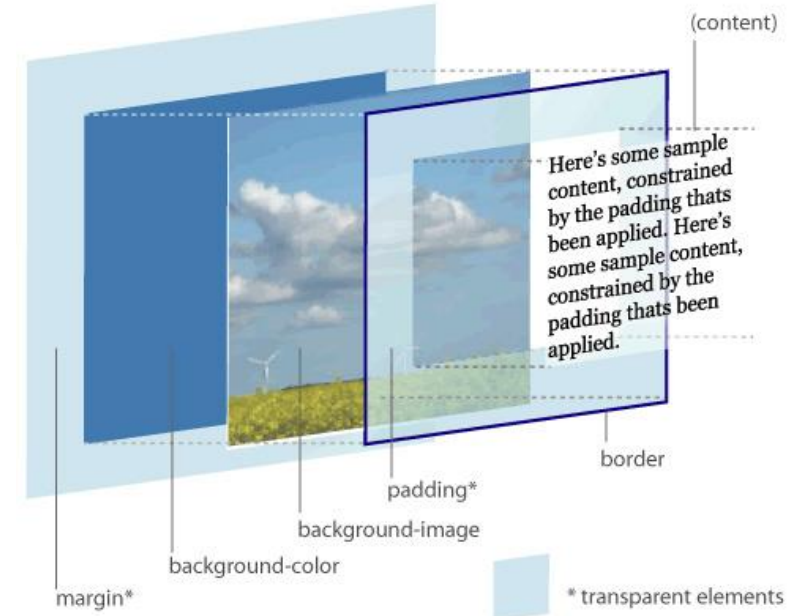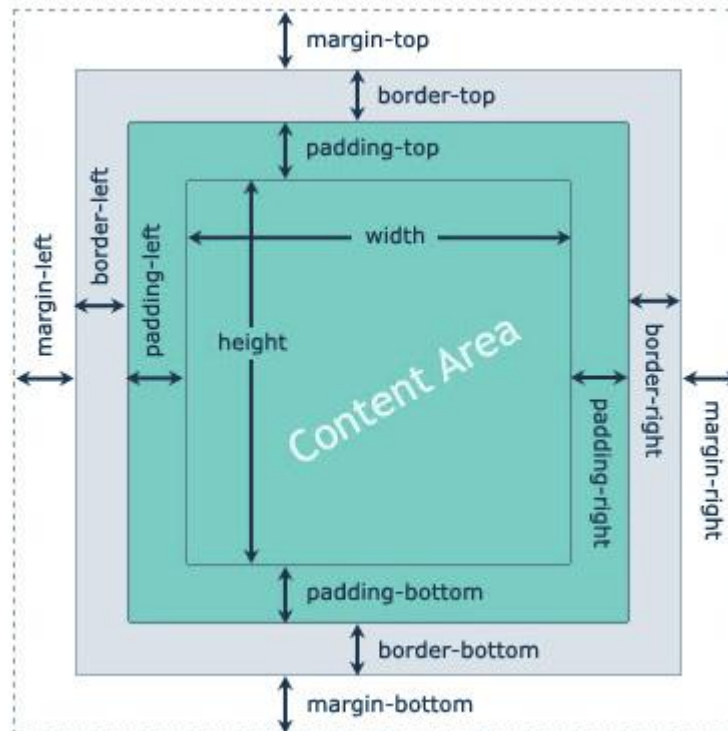
DEMO

Applying Styles
Making It Look *GOOD*!