

Front End Software Development

Front End Technologies (weeks 7 - 12)

Week 02



Agenda

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

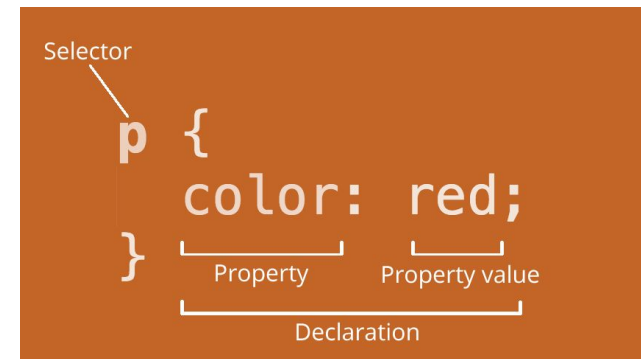


Questions



Intro to CSS

- **Cascading Style Sheets**
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>
```

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

- **Selectors**

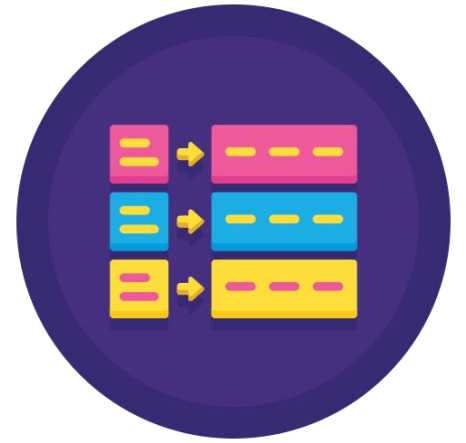
- **tag** { }
 - **.class** { }
 - **#id** { }

```
<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"



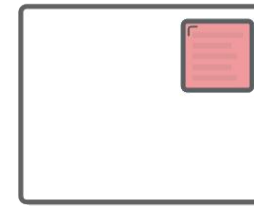
LEFT ALIGN

FLOAT: LEFT;



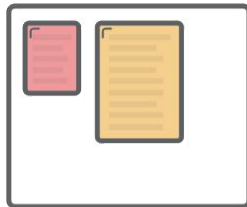
CENTER ALIGN

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

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.

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

And Lots More!

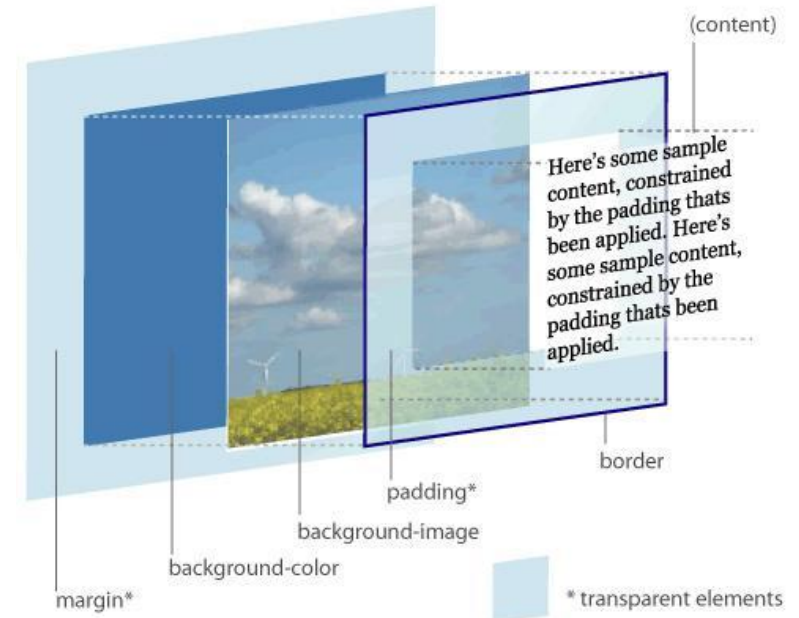
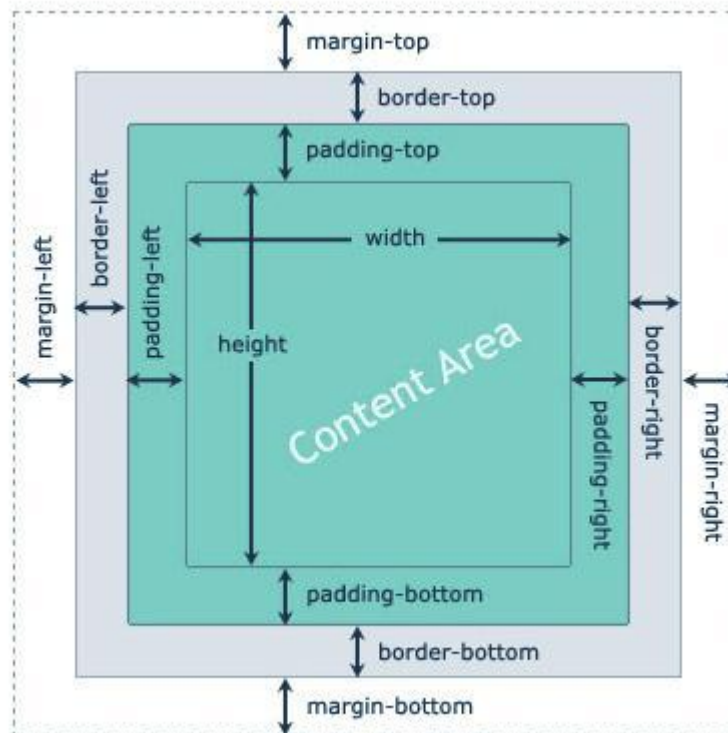
:active
:any-link
:autofill
:blank
:checked
:current
:default
:defined
:dir()
:disabled
:empty
:enabled
:first
:first-child
:first-of-type
:fullscreen
:future
:focus
:focus-visible
:focus-within
:has()
:host
:host()
:host-context()
:hover
:indeterminate

HTML Box Model

Components

- Padding
- Border
- Margin

Applied to: Top, Right, Bottom, Left





DEMO

Applying Styles
Making It Look *GOOD!*