

Intermediate Workshop

Intermediate HTML/CSS, JavaScript, jQuery, Hosting

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WICC Instructors

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Outline

Before we begin...

Sublime

GitHub: www.github.com/inyounghong/webdev2

Refresher HTML/CSS (10 min)

CSS: Intermediate (30 min)

Sizing

Box Model: inspect element

Responsive/Mobile Design (@media)

Positioning, absolute, z-index

Quick tips: centering, fill background image

Javascript/JQuery: Basics (30 min)

JS vs. JQuery

DOM

Selectors

Event handlers: click, hover (CSS), change → show, hide, css, toggle, fade

GitHub Pages! (20 min)

Name Cheap

Before we begin...

Download Sublime

Pull Git code

Create a GitHub account & make a pages repo

Refresher HTML/CSS

Skeleton & DOCTYPE

Tags: nesting & indentation

Head, html, body

Text, links, images, lists, divs

Absolute vs. relative paths

CSS syntax, selectors, IDs & Classes

Colors, fonts, display, align

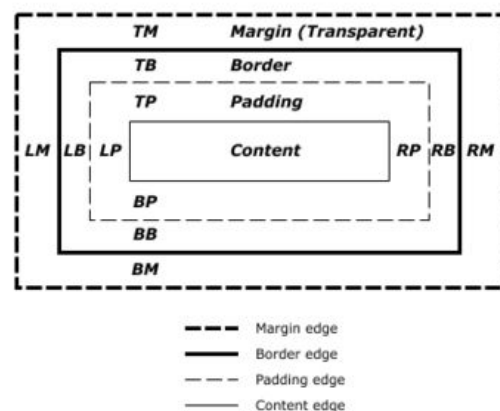
CSS: Intermediate

1. Sizing

```
img {
  height: 500px;
  width: 300px;
}
```

2. Box Model

- Margin → Border → Padding → Content
- Top Right Bottom Left
- Chrome Inspector



3. Responsive/Mobile Design

- a. Percentages instead of px
 - i. Takes size of *parent* (see DOM)

```
div{
    height: content;
    width: 100%;
    padding: 5%;
}
```

- b. Fonts: em instead of px

```
h1 {
    font-size: 1em;
}
```

4. Positioning

- a. Default = static
- b. Absolute (The doge logo in the top left corner)


```
position: absolute;
```
- c. Relative: Setting the top, right, bottom, and left properties of a relatively-positioned element will cause it to be adjusted away from its normal position.


```
position: relative;
left: 30px;
```
- d. Fixed: anchors that element to the browser window... if you scroll up/down, the fixed element stays put even as other elements scroll past it (the navigation bar)


```
position: fixed;
```
- e. z-index: Specifies the “layering” of elements. Think of it like the z-axis on the 3D coordinate plane. Elements with higher z-indexes are positioned on top of those with lower z-indexes. Default value is 1. Can be both positive and negative.

```
z-index: 20;
```

5. Quick tips

a. Centering

Vertical: Give the element a line-height

line-height: ____px;

Horizontal: Set the element's margin to auto

margin: auto;

b. Background cover image: To have a fixed, centered background image

background-image: url(''); /* Set an image! */

background-size: cover no-repeat;

Javascript & JQuery

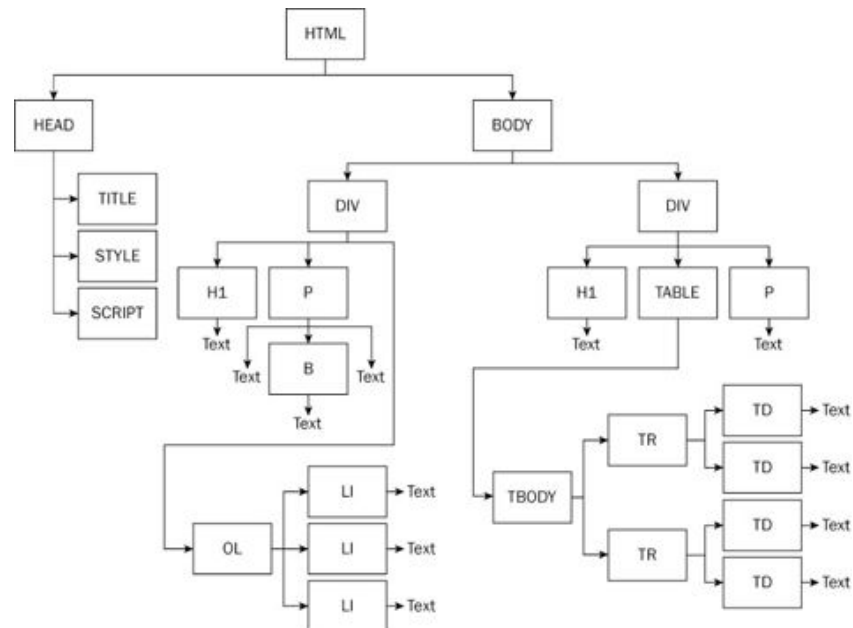
1. Javascript vs. JQuery

- Javascript is a language, JQuery is a library (<http://api.jquery.com/>)
- Link JQuery library in the <head>
- Link JS file at the bottom

2. DOM

a. Document ready

```
$(document).ready(function(){
    //code
});
```



3. Selectors, event handlers, and actions

```
$(“event selector”).handler(function(){  
    $(“action selector”).hide();  
});
```

a. Handlers

i. Click

```
$(“#hide-doge”).click(function(){  
    $(“#bagel-doge”).hide();  
});
```

ii. Hover (CSS)

iii. Change

b. Actions

i. Show/hide

ii. CSS: manipulate the CSS with JQuery!

```
$(“#grow-doge”).click(function(){  
    var width = $(“#bagel-doge”).width();  
    $(“#bagel-doge”).css(“width”, width + 20);  
});
```

iii. Toggle

iv. Fade

GitHub Pages & NameCheap

Resources

CodePen

Codecademy

W3Schools