

# **ITMD-361**

## **CLASS 10**

### **OCTOBER 17, 2017**

# TONIGHT'S AGENDA

- **Continue with CSS layout demos**
- **Other CSS Related topics (as time allows)**
  - CSS Center Horizontal Menu
  - CSS Attribute Selectors
  - Responsive Design
  - Bootstrap Framework

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# **CSS LAYOUT DEMOS**

# CSS CENTERED MENU

1. Using inline-block to center the ul - demo
2. Using position relative to center the ul and li – demo
  - Used on old browsers. Not so much now.
  - Check out [this link](#) if you're interested

# CSS ATTRIBUTE SELECTORS

Attribute Selectors were in CSS 2

- E[attr] {} /\* Simple Attribute Selector – attribute exists \*/
- E[attr='value'] {} /\* Exact Attribute Value Selector \*/
- E[attr~='value'] {} /\* Partial Attribute Value Selector – part of **space separated list**\*/
- E[attr|='value'] {} /\* Language Attribute Selector \*/

CSS 3 adds more Attribute Selectors

- E[attr^='value'] {} /\* Beginning Attribute Selector – starts with value\*/
- E[attr\$='value'] {} /\* Ending Attribute Selector – ends with value\*/
- E[attr\*='value'] {} /\* Arbitrary Attribute Selector – substring in attribute\*/

<http://www.w3.org/TR/css3-selectors/>

<http://reference.sitepoint.com/css/attributeselector>

# PSEUDO-SELECTORS

- CSS 2 provided 1 along with link ones like :hover
  - :first-child
- CSS3 adds many more
- <http://nthmaster.com/>
- <http://www.w3.org/TR/css3-selectors/>
- <http://coding.smashingmagazine.com/2011/03/30/how-to-use-css3-pseudo-classes/>
- <http://css-tricks.com/pseudo-class-selectors/>
- <http://reference.sitepoint.com/css/css3psuedoclasses>
- <http://selectivizr.com/> - IE Support on old versions

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# **RESPONSIVE DESIGN**

# RESPONSIVE DESIGN

- Use css media queries to conditionally load styles based on things like screen size
- Basic style sheet media query format:

```
@media screen and (min-width: 800px) {  
CSS Rules Go Here  
}
```

- Above rules will only apply to windows 800px or larger.
- Can also load linked stylesheet conditionally.

```
<link href="style.css" rel="stylesheet"  
media="screen and (min-width: 800px)">
```



# RESPONSIVE DESIGN

- Can also use with the css import directive
  - `@import url("file") screen and (min-width: 800px);`
    - Probably should avoid unless you understand how import works and may impact performance. Concurrent loading is one issue.
    - Google css import to read more.
- <http://mediaqueri.es/>
- <http://www.w3.org/TR/css3-mediaqueries/>
- [https://developer.mozilla.org/en-US/docs/CSS/Media\\_queries](https://developer.mozilla.org/en-US/docs/CSS/Media_queries)
- <http://cssmediaqueries.com/>
- <http://bradfrost.github.com/this-is-responsive/resources.html>