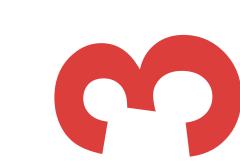
## ITMD-461 CLASS 11 MARCH 31, 2015

## TONIGHT'S AGENDA

- Continue with CSS layout demos
  - CSS Attribute Selectors
  - CSS Transitions, Transforms, and Animations (ch 17)
  - Responsive Design
  - Bootstrap Framework
- Readings & Assignments

#### ITMD-461

## CSS LAYOUT DEMOS



## CSS CENTERED MENU

- Using inline-block to center the ul demo
- Using position relative to center the ul and li demo
- http://matthewjamestaylor.com/blog/beautiful-css-centeredmenus-no-hacks-full-cross-browser-support

# CSS ATTRIBUTE SELECTORS

#### Attribute Selectors were in CSS 2

- E[attr] {} /\* Simple Attribute Selector attribue 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'] {} /\* Begining 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

Can have some buggy support in older browsers so test.

## PSEUDO-SELECTORS

- CSS 2 provided 1 along with link ones like :hover
  - ifirst-child
- CSS3 adds many more
- http://nthmaster.com/
- http://www.w3.org/TR/css3-selectors/
- http://coding.smashingmagazine.com/2011/03/30/how-to-usecss3-pseudo-classes/
- http://css-tricks.com/pseudo-class-selectors/
- http://reference.sitepoint.com/css/css3psuedoclasses
- http://selectivizr.com/
   IE Support on old versions

## CSS TRANSITIONS, TRANSFORMS, AND ANIMATION

We will be using chapter 17 as a guide and demo for these topics

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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:

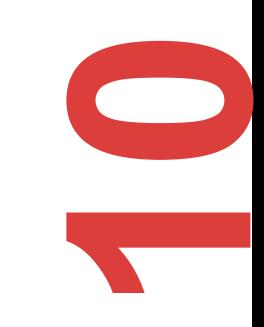
```
@media screen and (min-width: 800px) {
CSS Rules Go Here
}
```

- 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
  - eimport 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
- http://cssmediaqueries.com/
- http://bradfrost.github.com/this-is-responsive/resources.html



## BOOTSTRAP CSS FRAMEWORK

- CSS Framework with built in classes to start from
- You can download other bootstrap themes that modify these styles or override them yourself
- Originally created by a designer and a developer at Twitter
- getbootstrap.com

#### 17MD-461

# READINGS AND ASSIGNMENTS

# READING & ASSIGNMENTS

#### 

 Should be finished with part II, CSS. Start reading JavaScript Chapters. Next week will be all JavaScript.

#### Assignment

- Lab 6 Due April 7 11:59pm Chicago time
- A Quiz will be assigned shortly. Similar to Quiz 1 but will cover CSS. I will send an email out through blackboard with details when it is ready.

