ITMD-461

Class 11
November 5, 2014

Agenda

- Quickly Continue & finish CSS

- CSS Techniques (ch 18)

  - CSS Sprites

  - Responsive Design, media queries

- Bootstrap Intro

- Transitions, Transforms and Animation (ch 17)

Centered Menu

- Using inline-block demo

- Using position relative demo

- http://matthewjamestaylor.com/blog/beautiful-css-centered-menus-no-hacks-full-cross-browser-support

ILLINOIS INSTITUTE OF TECHNOLOGY

CSS 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 **spaceseparated 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

  - `: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

Other CSS 3

- Text Effects – limited support
  - http://www.w3schools.com/css3/css3_text_effects.asp
  - http://www.w3.org/TR/css3-text/
- Opacity
- Border and Box Effects
  - `border-radius`
  - `border-image`
  - `Box-shadow`
- http://www.css3files.com/
- http://www.quackit.com/css/css3/properties/

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.

  - 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