ITMD-461

Class 6 & 7
October 1, 2014 &
Class 7 Replacement Video

Agenda

- Questions so far.
- CSS Continued
- CSS Reset
- CSS Web Fonts

HTML 5 Shiv

- Add this code to the head section of your html page to support html5 elements in older ie

- http://code.google.com/p/html5shiv/

```
<!--[if lt IE 9]>
<script src="dist/html5shiv.js"></script>
<![endif]-->
```

Uses IE conditional comments

http://msdn.microsoft.com/en-us/library/ms537512%28v=vs.85%29.aspx

CSS Resets

- Used to reset all css properties so they will be consistent in all browsers.
- Eric Meyer's css reset
  - Complete reset to no styles
  - http://meyerweb.com/eric/tools/css/reset/
- Normalize
  - Targets only styles that need to be reset
  - http://necolas.github.com/normalize.css/
- Yahoo YUI css reset
  - Mostly complete reset
  - http://yuilibrary.com/yui/docs/cssreset/
- http://www.cssreset.com/

CSS Fonts

- We can now use an almost unlimited selection of fonts on our web pages

- CSS property font-family is used to specify which font an element should use.

- Used to have to supply a font stack for our font choices in case the user didn't have the one we wanted to use.

  – Always ended the list with a generic font (pg 230)
    - Serif, sans-serif, monospace, cursive, fanasty

- Now we can specify a specific font we want to use.

- We need to use special web fonts

CSS Fonts

- There are many options out there.
  - http://www.fontsquirrel.com/
  - http://www.google.com/webfonts
  - Adobe typekit
- We will show a fontsquirrel & google web fonts examples in class
- For Fontsquirrel
  - You want the @font-face kits on their site
  - They give you all the font files you need and css
  - Use the @font-face css declaration
  - Look at example from font squirrel

CSS Fonts

- Google Web Fonts don't need to be downloaded
- Include a link to a google hosted file then you can use them in your css.
- Link needs to come before your css
- http://www.google.com/webfonts
- Google gives you all the code you need
- Let's see an example

CSS

- Let's continue looking through the book at some of the properties it discusses.

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CSS Float and Positioning

- Float property causes element to move as far as possible to the left or right and allow other elements to wrap around it.

- Always provide a width to floated element

- Margins do not collapse

- Apply the clear property to the element following the float that you don't want to wrap around the content.

CSS Floats

- You can use floats to create column layouts

- A few different methods see page 354

- Floated elements need to appear in html before content that wraps around them

CSS Horzontal Navigation

- Navigation is a list of links so we should use a list as the html element

- ul

  - Remove the bullets – list-style-type: none

  - Remove the margins and padding

- ul li

  - Float list items left - float: left;

- ul li a

  - Make anchor block and apply styles – display:block;

- Clear the element that follows – clear:left;

Positioning

- 4 values for css positioning
  - Static
    - Normal default position in the document flow
  - Relative
    - element is moved relative to position in document flow
    - Space in document flow is reserved
  - Absolute
    - Removed from the document flow
    - Positioned with respect to containing element with a position
  - Fixed
    - Removed from flow and positioned fixed to the window

Midterm Exam

- Midterm Exam – 100 Points

- Will be assigned Oct 13

- Will be due on Oct 19 – **NO EXCEPTIONS**

- It will be an online exam in blackboard and you will have 1 week to finish.

- Will cover things we have discussed in class, in slides, and in the book. Up through what css we have went through in class.

Midterm

- Multiple choice and True/False and matching

- You can save your progress and complete later

- **Once you click the blue save and submit button it will submit and you can't go back!**

- Due By Sun (Oct 19) at 11:59pm Central

  – **NO EXCEPTIONS** – Test will not be available in blackboard after that time.

Reading

- You should have been reading the book for the class as we talked about the topics. We will have went through about chapter 15 before the midterm. I will not have covered every html tag and css rule in the book during class. You will need to read about them on your own some.

- There is an additional HTML and an additional CSS book on blackboard for your benefit.

- Read this link for an introduction to Responsive Design.

    – http://www.adamkaplan.me/grid/