HTML 5

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(slides on blog <http://blogs.msdn.com/b/dorischen/>)

She’s Geeky

* Good on resume
* Standard W3C web standard group
* Developed over 20 years
* 100+ specifications
* has css features
* some features developing/evolving
* CSS3 with it
* HTML5 compliant=no doctype stuff
  + Simpler doctype html no xml
* <!DOCTYPE html>
* <html>
  + <head>
    - <meta charset=”utf-8”>
    - <title> Hello <\title>
  + </head>
* etc.

CSS3

* fun
* cascade style sheet
* layout, colors, fonts and text, backgrounds, border, floats=formatting ☺
  + look and feel= artistic
* css3 matches with html5 (part of it)
* .css file
* Fundamentals
  + Elements
  + Attributes
  + Selectors
  + Properties
* Selector h1
* Declaration (within ;) {color:blue; font-size:12px;}
* Color=property
* Blue-value
* New features
  + 2D trasnforms
  + gradients
  + media queries
    - change results for different media (screen size)=revolutionary feature
* Key tech in HTML5 family
* (a lot faster than other coding with features)
* web fonts
  + can use weird fonts now instead of images (making design more fun) to have it be actual text
  + @font-face{
    - font-family: MyFont;
    - src: url(http://mysite/fonts/MyFont.ttf)
      * format(“embedded-opentype”)
* <http://lostworldsfairs.com>
* all just css
* could be done with javascript more complicated way but is css3
* media query example
* @media screen and (max-width: 600px)
  + size of medium
  + then font size percentage
* easy infrastructure to display on different sizes
* border-radius
  + can change width and style in many different ways
* in style=”
  + border-radius: 77px;
  + border-style: dashed;
  + border-width: 17 px;
* “
* parameters easy to change things like that quickly
* hands on lets you see the difference, then copy and paste line into code…
* 3D transorms allow you to manipulate in 3D and make appear horizontal, etc.
* 2D transforms move in 2 dimensions and change scale, etc.
* makes a lot quicker and easier, even for inexperienced developers
* flex box helps you align things correctly, with other boxes or parts of window, which is very challenging generally
* flex-direction: row-reverse, column, row, column-reverse
  + very cool that it does it for you
* if container size gets smaller, will adjust boxes for you
* can play with centering, etc.
* know what to expect when change screen size from laptop to phone-feature takes care of change for you
* multi-column layout
  + changes columns for you-adding into text
  + can make bigger or smaller gap between
  + draw lines in between with different styles and change text color
  + can change alignment within columns to right or left or center justified
* front end engineer need to know how to use css to make a website look professional and pretty-so know the tools that are available to you
* Microsoft edge-windows.com to get sample code
  + Ie testdrive
    - In google
  + Go to website and choose css
    - Hands on 3D transforms
  + <https://dev.windows.com/en-us/microsoft-edge/testdrive/demos/3dtransforms/>
* Positioned floats
  + to put image with text (behind, left or right)
  + Need css to achieve
* Filter effect
  + Can add like on instagram etc.
  + One is edge detection so just lines of outside of forms-cool