

HTML/CSS Class Content - What to expect

HTML

- Browser / Server interaction
- DOCTYPE
- Meta Data Tags
 - head
 - title
 - base
 - link
 - meta
 - style
- Types of Tags
 - inline
 - goes with the flow of the content
 - block
 - wants to have a line to itself and wants it's width to be 100% of it's parent.
- Tags
 - Tag relationships
 - Parent / Descendent / Child
 - Layout/Grouping tags
 - using 'div' tags
 - using 'span' tags
 - boxes vs. handles
 - Content tags
 - block elements
 - header
 - blockquote
 - dd
 - address
 - audio
 - dl
 - fieldset
 - figure
 - form
 - h1,h2,h3, etc.
 - Typical inline elements

- p
 - ul, ol
 - dt
 - hr
 - a
 - strong
 - pre
 - code
 - img
 - br
 - sub
 - sup
- form elements
 - button
 - input
 - label
 - textarea
 - select
- tables
 - Use for Tablular data only!
 - thead
 - tbody
 - tr
 - td
- using attributes to expand the meaning of tags
 - href
 - title
 - rel
 - data
 - alt
- Embeddable Content
 - iframe
 - img
 - object
 - param
 - video
 - audio
 - source
 - track
- Identifying elements
 - ID's
 - only use once per page

- Classes
 - multiple uses
 - adding multiple classes to a single element
- Colors
 - Multiple methods for notation
 - hexcode
 - #efefef
 - rgb(0,0,0)
 - rgba(255,255,255,0.5) (rgb with alpha channel)
 - names
 - white
 - darkgray
 - maroon
- HTML 5 Specific tags
 - header
 - hgroup
 - figcaption
 - figure
 - nav
 - footer
 - article
 - aside
 - canvas
 - block
- HTML 5 Data Storage
 - Local Storage
 - Web SQL
- User Agents
 - Browser detection possibility vs. Capability Detection

CSS

- Order of precedence
- How the cascade works
 - tag cascade
- syntax of rules
 - selector, curly brace, rules.
 - must end with ';'
- Block level elements
 - div
 - html5 elements
 - article

- aside
 - nav
 - footer
 - header
 - h1,h2,h3, etc.
 - img
- Inline elements
- Traditional Box Model
- adding rules in the html page
- using the 'link' tag to load a separate css file
- Selector syntax
 - Parent
 - descendent
 - child '>'
 - sibling '+'
 - attribute selectors
 - ~=
 - =
- Positioning
 - absolute
 - static
 - relative
 - fixed.
- Float
 - left
 - right
 - clearing floats
- Display
 - block
 - inline
 - inline-block
 - table
 - table-cell
 - table-row
 - flex
 - inline-flex
- box-sizing
- fonts
 - size
 - style
 - family
 - setting types

- variant
- text
 - align
 - transform
 - decoration
 - indent
 - shadow
- margin
 - four (4) values
 - shorthand
- padding
 - four (4) values
 - shorthand
- border
 - 4 values
 - shorthand
- background
 - position
 - repeat
 - color
 - image
 - shorthand
 - multiple