HTML & CSS Flashcards

Basic HTML DOM Tree

```
<!doctype html>
  <head>
    <title></title>
    <meta>
    <script></script>
  </head>
  <body>
  </body>
  <!-- Comment -->
```

CSS Setup & Formatting

```
<style type="test/css"> OR
<link rel="stylesheet" type="text/css"
  href="mystyle.css"> OR
  inline
tagname {    - all ref'ed elements inherit
  property: value;} - how to format
#id {}    - single id'ed element will
                inherit these
.class {}  - all elements of class will
                inherit
</style>  - closes out the style segment
```

Headings, Paragraphs, and More

```
<h1></h1> through <h6></h6>
<p></p> for paragraphs
<aside></aside>content
```

Text Attributes

```
font-family: typeface;
font-style: normal-italic-oblique;
font-weight: normal-bold-###;
font-size: ##px;
text-align: left-center-right;
vertical-align: top-middle-bottom;
text-transform: uppercase-lowercase-
  capitalize;
text-shadow: _px _px _px color;
  horizontal vertical blur color
```

Link Formatting

```
<a href="url">link text
<img src=file alt="text"
    style="float:rightORleft
    width:__px; height:__px;
    border:0;"
  target="_blank"</a>
<a href= "mailto:jo@doe.org">Email Jo</
  a>.
```

CSS Selectors

```
Examples
  * - targets all elements. Universal.
  .class - targets relevant class
  #id - targets relevant id.
  h1 b - targets h1 level bold formatting
  p#intro - paragraph level with ID of
    "intro"
```

HTML & CSS Organization

```
<div></div>
<span></span> - a "within element"
  version of <div> and is replacing
  default font stylings - bold, italic,
  and others.
<main></main> to be used as a way to
  delineate the "main" section of
  the html.
```

General Element Attributes

```
alignment: left-center-right;
color: rgb/hex/name;
background-image: url('file');
background-repeat: no-repeat;
background-size: cover;
background-attachment: fixed;
padding: number;
background-color: color;
```

List Items

```
<ul></ul> OR <ol></ol>
  <li></li>
<dl>          <!-- definition list -->
  <dt></dt> <!-- definition term -->
  <dd></dd> <!-- definition -->
<dl>
(ul or ol can be nested)
```

CSS Border Attributes

```
border-style: dashed-dotted-double-
  inset-more
border-width: px;
border-color: color;
OR
border: px border-style color
  (above example defines all necessary
   elements to create a border.)
```

List Attributes: Ordered / Unordered

```
list-style:style:disc-circle-
square-none; (impacts <ul></ul> lists)
Type="1-A-a-I-i"; (impacts ol lists)
```

Text Attributes

```
|<i></i> Italics| <b></b> Bold |
|<em></em> emphasis| <q></q> "quotes" |
|<strong></strong> bold-like| |
|<blockquote></blockquote> | |
|<abbr></abbr> abbreviations & acronyms||
|<cite></cite> citations | |
|<dfn></dfn> defining instance | |
|<ins></ins> inserted content | |
|<del></del> shows deleted content | |
```

Text Attributes continued

```
|<s></s> strikethrough | |
|<sup></sup> superscript | |
|<sub></sub> subscript | |
|<br /> line break in an element | |
|<hr /> a horizontal line element | |

<address></address>
  Highlights an address, but the address
  must still be formatted via html
  attributes. For additional options,
  see hCards.
```

Subject 3

content

Subject 4

content

Boxes

```
width: px OR xx%       height: px OR xx%
min-width: px          max-width: px
min-height: px         max-height: px
overflow: hidden-scroll;
  Instructs what to do if content is
  Larger than the box
```

Margin & Padding

```
padding: px; can be top-left-right-bottom
margin: px;
```

Boxes Border

```
border-width: thin-medium-thick
border style: solid-dash--groove-more
  can be border-top/left/right/bottom
border-color: rgb
  can be designated: top right left
    bottom;
shorthand border:
  border: width style color;
```

Centering Content

```
margin: px auto px auto;
  Will center the box on the screen
```

Visibility

```
visibility: hidden-visible
```

Inline/Block Change

```
display: inline/block/inline-block/none
```

Border Images

```
css element {
   filename: url("url")
      px px px px stretch/repeat/round
   filename: url("url")
      px px px px stretch/repeat/round
   filename: url("url")
      px px px px stretch/repeat/round;
}
```

Border Box Shadows

```css
css element {
  -Moz-box-shadow: px px rgb;
  -webkit-box-shadow: px px rgb;
  box-shadow: px px rgb;}
Properties:
  hor. offset   vert. offset
  blur distance   spread of shadow
```

Rounded Corners

```
Border-radius: px, px, px, px
```

Elliptical Shapes:

Position Control - Schemes

```
Normal - each block level element appears
  on a new line.
Relative Position - moves it relation to
  where it would go on default.
Absolute Position - as in "background".
  Other elements ignore it's placement.
Fixed Position - absolute to the browser
  window. "Sticky"
Floating - other elements within the
  block-level float around it.
```

Position Control - Schemes (cont.)

```
Normal Flow - position:static;
Relative - psotiion:relative;
Absolute - position:absolute;
Fixed - position:fixed;
```

z-index: 'number'

```
The higher the number, the higher it's
precedence to the top of the screen.
```

Floating Element (cont.)

```
float: right/left;
Other elements within the block flow
around it.
```

Clearing floats

```
.clear {
  Clear: left/right/both/none;}
Ensures no other element touches the
assigned value.
```

Clearing float Problem

```
To ensure proper floating add
    overflow: auto;
    width: 100%;
so that floats are properly formatted.
```

MultiColumn Layouts

See pp 375-376.

Layout Options - pp 370-390

Image Attributes

```
Align: left/right (put it far left/right
of element/block)
Align: top/middle/bottom (puts it inline,
text will be at its top/middle/bottom)
<figcaption></figcaption> HTML5 tag for
photo captions
```

Color

```
background-color: rbga (0.0,0.0.0,0.0);
  red blue green alpha
line height: em;
```

Font Attributes

```
text-align: left/right/center/justify;
vertical-align: text-top/baseline/
    text-bottom;
```

Text Attributes

```
font-family: 'name'; src: url('url');
   format('name');
line-height: em;
text-align: left-right-center-justify;
vertical-align: text-top/baseline/
   text-bottom;
:first-letter :first-line %:
```

Styling Links

```
:link, :visited, :hover, :active:
   All font properties can affect these.
```
Attribute Selectors (see p 292).

Subject 3

content

Subject 4

content