Interface Programming 1
Week 3
<table>
<thead>
<tr>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
<th>Week 4</th>
<th>Week 5</th>
<th>Week 6</th>
<th>Week 7</th>
<th>Week 8</th>
<th>Week 9</th>
<th>Week 10</th>
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<tr>
<td>1.13</td>
<td>1.20</td>
<td>1.27</td>
<td>2.03</td>
<td>2.10</td>
<td>2.17</td>
<td>2.24</td>
<td>3.03</td>
<td>3.10</td>
<td>3.17</td>
</tr>
<tr>
<td>Intro to class, Intro to all applications &amp; all assignments; Lesson: setting up your UH account; Intro to Dreamweaver; Lesson: Simple HTML page</td>
<td>HW - UH site posted with link to 1st assignment: simple html page; Lesson: intro to CSS; Lesson: Intro to Divs</td>
<td>HW - html pg linked with external CSS file Due; Div tests Due.</td>
<td>HW – HTML page w/ stylized DIV sections; DIV tests; Lesson: Positioning Techniques</td>
<td>HW - 2 pages due, one long scrolling, one fixed height; Lesson: in-line lists &amp; navigation; a: hover rollovers with images, plus FIR HTML page w/ Three Navigation systems using unordered lists, a:hover for top nav</td>
<td>HW - two IR examples due, one rundle technique, the other a:hover image rollovers topnav using leahy technique; Intro to the mid-term project</td>
<td>HW - NMA test HTML page due. Lesson: CSS Layout Techniques; HW - NMA test</td>
<td>Lesson: None, full work day</td>
<td>MID-TERM – NMA CSS Redesign</td>
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**INTRO DAY** WORK DAY WORK DAY WORK DAY WORK DAY WORK DAY WORK DAY WORK DAY WORK DAY CRITIQUE

<table>
<thead>
<tr>
<th>Week 11</th>
<th>Week 12</th>
<th>Week 13</th>
<th>Week 14</th>
<th>Week 15</th>
<th>Week 16</th>
<th>Week 17</th>
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<tbody>
<tr>
<td>3.24</td>
<td>3.31</td>
<td>4.07</td>
<td>4.14</td>
<td>4.21</td>
<td>4.28</td>
<td>5.05</td>
</tr>
<tr>
<td>NO CLASS – SPRING BREAK</td>
<td>HW - Final Designs Due; Lesson: How to go from Photoshop to CSS;</td>
<td>HW - Home Page Due; Lesson: Layouts, Javascript Show/Hide</td>
<td>HW - Sub Page Due; Lesson: Transparency, Tables vs. CSS</td>
<td>HW - 1st Draft of Site Due</td>
<td>QA Test Day</td>
<td>FINAL - the fully coded web site is due</td>
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| WORK DAY | WORK DAY | WORK DAY | WORK DAY | WORK DAY | WORK DAY | CRITIQUE |
LESSON

• Overview of the full web programming process
• Lesson:
  • `<div>` elements
    • generic block-level containers
      • http://www.w3schools.com/tags/tag_div.asp
  • the box model
  • the * in css (CSS Reset)
  • ID’s and classes
  • Header tags: h1, h2, h3, etc.
  • `<p>` tags
  • `<ul>` unordered lists and `<ol>` ordered lists
• How to set up “Testing” documents.
• A sneak peek at CSS positioning
LESSON

• The Box Model
  - http://www.w3.org/TR/REC-CSS2/box.html
  - http://www.hicksdesign.co.uk/3dboxmodel/
EXERCISE/ASSIGNMENT

• Make a div with an id="container"
• Set its width: 600px
• Set its margin: 0 auto;
• Set background-color of container and body (different colors)
• Add more div sections (header, mainNavigation, content, section1, section2, footer)
  • Add more content in between the new div tags (some navigation links, 2 sections w/ paragraphs, footer content, etc.)
• Give each div its own background color.
REMINDER

- If you haven’t done so already, be sure to install the Firefox Web Developer Tool bar (Firefox add-on)
  - https://addons.mozilla.org/firefox/60/
  - http://chrispederick.com/work/webdeveloper/
ASSIGNMENT

• RECOMMENDED: Re-do the CSS tutorial on w3schools.com and re-examine all of the examples.
  • http://www.w3schools.com/css/default.asp
  • http://www.w3schools.com/css/css_examples.asp
    • Study them
    • Try them out for yourself in “testing” documents.

• If you are caught up on your assignments and looking to have fun by learning more HTML and CSS on your own, you can work on the following:
  • Redesign your UH home page and your Art 128 home page.
    • Try experimenting with background images.
  • Experiment with div tags and positioning
    • you can do this by making small test documents and messing around
  • next week we will learn about several positioning techniques, including absolute vs. relative positioning & floats, so you can do research on positioning if you would like. or you can go to the beach.
ASSIGNMENT

• Continue from last week’s html page that you created and add section div elements. This new html document should include the following:
  • A container, a header section, a main nav section, 2 sections of content, and a footer.
    • <div id="container">
    • <div id="header"> :: the section should have some type of header/title to the page
    • <div id="mainnav"> :: a few navigation links (should be an unordered list <ul>)
    • 2 sections of content (ie. <div id="section1" > and <div id="section2" >)
      • One section should have a small image, no bigger than 150px X 150px.
      • <div id="footer"> :: a copyright line will suffice
  • Be sure to try:
    • Centering your container to the browser window (margin: 0 auto;)
    • Constraining your container width (ie. 750px)
    • Giving each div a different background color (to clarify the separation between each section)

Due :: Week 4
FUTURE ASSIGNMENT

Due :: Week 5

• 2 pages:
  • A long scrolling page layout that uses minimal absolute positioning and preserves normal flow
    • Uses a combination of relative and absolute positioning for the header, logo, and header links
    • Uses floats for the main two sections/column
  • A short/fixed height page that completely breaks normal flow
    • Uses all absolute positioning
    • Note: this layout is not flexible!! The location of all major <div> elements are fixed! (this is very bad for pages that will be updated frequently with content of varying sizes and length.)