Week 2 codify academy

**Week 2**

**In Class Quiz**

1. What CSS property can you use to center text?
2. Write out the HTML for a <ul> with five <li> elements inside it.
3. Write out the HTML for an <a> tag that goes to Google. The text should read “Click Me”.
4. If you created a new CSS file named “about.css” in your CSS folder, how would you link it to your HTML?

**Group Discussion Questions**

1. Has everyone finished their LinkedIn profile and connected with me and your classmates?
2. What is the HTML for an unordered list with three list items inside of it?
3. What is the HTML for two divs, each with a class of “box” and each containing an h1 element, inside of a section?
4. What are the 4 useful new HTML5 elements? Why are they useful?
5. What does CSS stand for? Why is it called that?
6. What are the three ways to add CSS to your HTML and which method do we use?
7. What does CSS stand for? Why is it called that?
8. What are 3 types of CSS selectors? Which is the most specific? The least?
9. Using the most specific selector possible, how would you select a ul? How would you select a ul inside of a div? How would you select an element with a class of “nav”? How would you select a ul with a class of “nav”? How would you select an element with a class of “nav” inside of a div? How would you select a button inside of a div with an ID of “intro”?
10. What are the 4 values we’ve learned that you can change the CSS position property to?
11. Now who can tell me the other three? If you don’t know them, you may need to look them up (hint: check W3Schools first).
12. How would you write the CSS to change an element’s font-size to 25px and its font to bold?
13. What is the CSS for adding an image to an element? (Think outside the box. The question asks for the CSS for this, so the answer is not an HTML img element)
14. Which uses an href attribute, an img or a link?
15. Which uses a src attribute, an anchor or an image element?

**Exercises**

***Important: Make sure to add comments to your code.***

1. Create a copy of your template folder and rename it to week2exercise.
2. Drag this new folder into your 'week2' folder inside your 'codify' folder.
3. In HTML: Create a nav element with a class of navigation.
4. In HTML: Create one ul element inside the nav element, and inside the ul add 3 li elements.
5. In HTML: Create one anchor element inside each li element. Insert the name of one of oyur favorite superheroes into each anchor.
6. In HTML: Create a section element below your nav element.
7. In HTML: Create a header element inside the section element.
8. In HTML: Create one h1 element inside the header element with the content "My Favorite Super Heroes".
9. In HTML: Create three div elements below the header (but still inside the section), each with a class of box.
10. In HTML: Inside each div add an img, h2 & p element in that order.
11. In HTML: Add a picture of one of your favorite superheroes to each img element.
12. In HTML: Add the name of the corresponding hero inside each h2.
13. In HTML: Add a description of the corresponding hero inside each p element.
14. In CSS: Select the body element and set the margin and padding to 0.
15. In CSS: select the ul element and set its vertical padding (top and bottom) to 5px and its horizontal padding (left and right) to 0. Can you do this using only one property? (Hint: do this using only one property)
16. Now reload your page and open your inspector. Highlight your ul element (make sure the correct ul element is selected in your elements tab) and examine the styles tab in your inspector. Find the padding property you just added to the ul and click on the value. Move your cursor over the 5px value and press your up arrow key until the value changes to 15px.
17. In CSS: Select the h1 element and set the font-size to 2em.
18. In CSS: Add 3 CSS properties and values to the nav element (backgroud-color, padding, & text-align).
19. In CSS: Add 4 CSS properties and values to the li element (background-color, display, margin, & padding). (Hint: make your li's display horizontally)
20. In CSS: Add 2 CSS properties and values to the anchor element (color & text-decoration).
21. In CSS: Add 2 CSS properties and values to the section element (background-color & text-align).
22. In CSS: Now find where you selected the h1 to change its font-size. Inside the same selector, set margin to 0 and padding to 25px.
23. In CSS: Add 2 CSS properties and values to those divs with a class of box (display: inline-block & width: 30%).
24. In CSS: Select the img element inside the div elements and set its width to 100%. (Hint: when you refresh your page and see your images change, think about what that 100% signifies. 100% of what?)
25. In CSS: Select the p element inside the div elements and add 3 properties and values (background-color, border, & padding)
26. In CSS: Now select the first letter of you p element with the “p:first-letter” selector. Give it a different color and a font size of 40px.

***Once you have completed these exercises, try adding some more HTML and CSS into your project.***

1. In HTML: Below the section element, create a footer element.
2. In HTML: Inside the footer, create one ul element and inside the ul add 3 li elements.
3. In HTML: Create one anchor element inside each li element, linking to each superhero's Wikipedia page.
4. In CSS: Add 3 CSS properties and values to that footer (background-color, padding & text-align).
5. In CSS: Add 4 CSS properties and values to the new li elements, but make sure these properties don't ALSO affect the li's in our nav element (background-color, display, margin & padding).
6. In CSS: Add 2 CSS properties and values to the new anchor elements (color & text-decoration).

[Download Completed Week 2 Exercises](http://codifyacademy.com/wk2/week2exercises.zip)

**Debugging Exercises**

***Download the following zipped project files and debug any errors you find.  
  
Unzip each file and drag the folder inside onto your desktop.  
  
Drag that folder into your text editor.  
  
Be sure to look at both the index.html and main.css files contined inside.  
  
Be sure to load the web page in your browser to see what is and isn't working!***

* [Week 2 Debug 0](http://codifyacademy.com/wk2/debug/debugWeek2-0.zip)
* [Week 2 Debug 1](http://codifyacademy.com/wk2/debug/debugWeek2-1.zip)
* [Week 2 Debug 2](http://codifyacademy.com/wk2/debug/debugWeek2-2.zip)
* [Week 2 Debug 3](http://codifyacademy.com/wk2/debug/debugWeek2-3.zip)
* [Week 2 Debug 4](http://codifyacademy.com/wk2/debug/debugWeek2-4.zip)
* [Week 2 Debug 5](http://codifyacademy.com/wk2/debug/debugWeek2-5.zip)
* [Week 2 Debug 6](http://codifyacademy.com/wk2/debug/debugWeek2-6.zip)

**Additional In-Class Prep for Weekly Project (OPTIONAL)**

Now lets try to recreate the Grubhub navbar in class in preparation for this week’s project.   
Head to [grubhub.com](https://www.grubhub.com/" \t "_blank) to see how it should look (ONLY THE NAVBAR). We’ll start by paper prototyping and writing pseudo-code.   
And, as tempting as it might be, we’re going to try to do this without using the float property.

[Download Completed Code Here](http://codifyacademy.com/wk2/grubhubNavbar.zip)

**Project**

***Important: Make sure to add comments to your code.***

Time to replicate another website: Apple! In Litmos Week 2 you will find a link to the [Apple Homepage](http://www.apple.com/" \t "_blank) that we will replicate. First - we will Paper Prototype what we want to build.

**Steps of completing a website replication with a Paper Prototype**

1. Paper Prototype - Draw out what you want to create and define HTML Elements you can use to create for any given area and the CSS properties you want to use on those elements you will create.
2. Create the HTML based on the paper prototype for one area at a time.
3. Create the CSS needed for that newly created section based on the paper prototype.
4. Validate HTML and CSS code to make sure there are no errors for that new section.
5. Repeat steps 2 - 4 until you code looks as close to the prototype as you can get it. (for now its ok if you can't get it, we will do this many times)
6. Send DM (Direct Message) to your mentor with the completed project as a zip.
7. Check off in Litmos in Week 2 project complete.

**Jobs Program**

This week, pick at least four companies to follow on LinkedIn (such as Google, Apple, Facebook, and Amazon, for starters!).   
  
Then, log into your Codepen account, and transfer your new superhero gallery into a Codepen of your own! While logged in, select “Create”, then “New Pen.” When your pen is ready, title it “My Favorite Superheros”, and copy over your HTML and CSS (NOTE: when copying HTML into a Codepen, you ONLY NEED TO COPY THE CODE INSIDE YOUR BODY ELEMENT. Codepen DOES NOT NEED the content of your head element. It handles the head a little differently).   
  
When you've finished transferring your project, send the link to the pen to your mentor.