

Assignment 1 – HTML, CSS, Javascript
COS318 – FA2015

Due Date: September 10th, 2015

Turn in all files using Moodle

For this first assignment, you will be creating a basic HTML page that contains CSS and javascript. It certainly won't be fancy looking. That's fine, but it might have superheroes.

Here's what your page should have

1. **(20 Points) A big block of text about whatever you want.** Probably just copy and paste it from somewhere. I like superheroes. It could be something about superheroes. The web page should have **some background color of your choice, and a font of a different color**. It would be neat if the colors corresponded to the superhero text (if you did the superhero text that is, otherwise whatever colors that look good to you)
2. **(30 Points) At least three different div tags, all different colors.** The first should be positioned so that it doesn't move when the page scrolls. The second should be positioned on top of the text from step 1. Neither should be too big though; I want to read about superheroes. The last div can be whatever and wherever you want, but put a picture inside it.
3. **(10 Points) Somewhere in the text from step 1, add a link to some website** that relates to the text in some way, perhaps to a trailer for a good movie about superheroes?
4. **(20 Points) A button in the lower left corner** that changes the colors of the background color and text color to something else. It's okay if this button only works once.
5. **(20 Points) Code style, formatting, completeness, and quality.**

The Rules

1. No inline styles or javascript.
2. The page should load and work correctly with no external libraries. Your submission must only have three files. One HTML, one CSS, and one JS.

Stretch Levels

If you already have a lot of experience with HTML and CSS, try to complete these stretch levels for extra credit. The levels are cumulative, so for example, don't try for silver if you haven't finished bronze. If you try for the stretch levels, make sure to type it in the comments on Moodle so I don't miss it.

Bronze Level

Make the background of the page two colors instead of one. The left half one color and the right half a different color. The block of text from step 1 should still cover the full page from left to right. No using background images for this either. Do it with block elements.

Silver Level

Add a button in the lower right corner that moves the color dividing line from bronze level to a random position. I.e. it starts at a 50% split, but each time you click it the % split will change, perhaps to 10%, 30%, or even 85%. Random numbers!

Gold Level

In silver level you made the vertical split be randomly changeable. Now made the transition happen smoothly over 1 second. Don't forget, no external libraries. Also, new rule: No javascript loops allowed! Use CSS.