

cs002 Homework 3

HTML and CSS

Assigned: October 26, 2016

Due: November 9, 2016

HTML

Introduction

Now that you've all learned the basics of how to make a web page, it's time to make your own website! With your newly-acquired skills in HTML, you will create a website about yourself. Because your life is constantly changing, the HTML you write will need to be well-structured and maintainable.

This homework must be completed by yourself, *without the help of any other students or resources not mentioned in the resource section.*

Assignment Goals

- Write well structured HTML
- Understand basic tags in HTML
- Organize information using lists and tables

Required Tasks

Mandatory Pages

Your website must consist of **at least three** different pages.

- Home Page
- About Me/Contact Info
- Interests (or anything else you want to include)

Minimum Technical Requirements

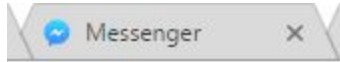
- Home Page links to other pages, and other pages link to the Home Page
- Include a hyperlink to an external page
- Use three different-sized headings appropriately
- Multiple images (3+), one of which is heavily Photoshopped by yourself (include the .psd file with your zip submission!)
- Two lists (one ordered, one unordered), one consisting of at least four elements.
- A table used to describe your contact info.
- Four different colored squares (hint: use divs!)

cs002 Homework 3

HTML and CSS

****Make sure tags are properly opened and closed and that your HTML document is properly set up, readable, and well-formatted****

Bonus Opportunity (+1)



Add a favicon (the small icon that appears in the browser tab) to your website.

You can add a favicon by inserting the following line with a link to an image:

```
<link rel= "icon" href = "..."/> 
```

Hint: what section of the HTML modifies what appears in the browser tab?

CSS

Introduction

When he first became a superhero, Mr. Incredible wrote a website. But that was more than 15 years ago, and what was the height of modern web design back then now looks flat and drab. Mr. Incredible has come to you and asked you to redesign (and add a few things to) his site so it stops turning away fans of his work.

Remember: This homework must be completed by yourself, *without the help of any other students or resources not mentioned in the resource section.*

Assignment Goals

- Write custom CSS for a web page
- Modify existing code to properly interact with new code

Required Tasks

cs002 Homework 3

HTML and CSS

Mr. Incredible has given you some details about how he would like his remodeled website to look:

- “The Incredibles logo is black letters on a red background. The site’s header (largest heading) color scheme (in index.html) should be *reversed*, with **red** letters on a **black** background.”
- “The rows in the superhero table shouldn’t all look the same. Let’s make some rows black text on a yellow background and the rest yellow text on a black background - but make sure they alternate.”
- “I want at least two different fonts for the text on my site. But none of that Times New Roman, I can’t stand it. Make sure there’s some `Courier New` to make Helen happy, and absolutely **no Comic Sans** to satisfy Violet.”
- “My family loves the house’s exterior paint job - the walls are a cream color and there’s a lovely red front door. Let’s make all text on the site (except the heading and what’s in the table) dark red and have a cream background?”
- “I list my email address on the ‘About Me’ page but it looks boring. Can you change it so instead of displaying my email address as text, a picture of an envelope is displayed with a mailto link that redirects to my email address?” (Hint: check the lab for details on mailto links)
- “Italicizing my family’s name in that paragraph on the ‘About Me’ page doesn’t bring it out enough. Can you also make it a larger font size, bright red and underlined?”

In addition, he’s asked that you update some information:

- “Violet’s superpowers now include levitation and generating force fields.”
- “When I last touched the site, my son Jack-Jack wasn’t born yet. Can you add him to the list of my family members?”

cs002 Homework 3

HTML and CSS

- “There are now two additional superheroes to be added to the table: Jack-Jack (shapeshifting) and Gazerbeam (eye laser blasts).”

We’ve provided you with the HTML source code for Mr. Incredible’s old website, which you may want to modify, in `incrediblesite.zip`. For this assignment, you should create **one** CSS file containing all of the styles you need and import it using `link` tags on each of the existing pages. Your zipped submission should contain at least five files (the original four HTML pages and one CSS file).

Bonus Opportunity (+1)

The Incredibles logo actually has yellow in addition to red and black. Add a thick yellow dotted border with round corners to the header on Mr. Incredible’s homepage.

Hint: Check the link in Resources, which details how to add rounded borders and stylize them! (http://www.w3schools.com/css/css_border.asp)

Resources

- List of font families: <http://www.w3.org/Style/Examples/007/fonts.en.html>
- Hexadecimal values of some colors:
http://www.w3schools.com/cssref/css_colors.asp
- The CSS border property: http://www.w3schools.com/css/css_border.asp
- CS002 labs
- CS002 homeworks

NO OTHER OUTSIDE RESOURCES MAY BE USED.

If you have questions, please stop into office hours.

cs002 Homework 3

HTML and CSS

Submission:

All homeworks will be submitted on Canvas. Make sure to save it as a zip file, saved as `firstname_lastname_03htmlcss.zip`. Please do not rename the template files (Mr. Incredible's old site), as doing so may break links between them.

If you need an extension for this assignment due to sickness, injury, or etc. please contact BOTH Don and the cs002 TAs via email. Please contact the cs002 TA's if you have any further questions.

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