Final Project Assignment

Final Project: Styling a Site with a Theme

300 Points (+50 Extra Credit) Possible

Due in Canvas by Thursday June 9 @11:59pm in Canvas
Late submit by Friday June 10 @11:59pm with a 10% deduction

Not accepted late (will not be graded) if submitted after Fri June 10!

<mark>What is this document?</mark> It is a collection of helpful notes guiding you to success and directing you elsewhere for other important information as needed.

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1. Critical to Success:

1) **Do Assignment 2 part 5** (Develop your theme, color scheme, fonts, bullets, hotel image.) Pay attention to any graded feedback.

2) **Do Assignment 3 part 4** (Use CSS to apply your theme elements to a page.) Some of this work can be used in the project.

3) **Download the Final Project files**, check them out, (especially the **Grading Sheet** and **starter files**.) Have these files open when watching the 3 final project videos.

4) **Watch the 3 final project videos** -- they will walk you through the work that needs to be done. Links to the videos can be found on the "Recommended Final Project Resources" page. That page is within the Canvas "Weeks 7 & 8" module. You can make notes or just start coding your style sheets as you watch these 3 videos.

5) **Gather all of the theme elements you'll need**:

- A color scheme (3+ colors related to your theme)
- 1 theme-related font for headings, 1 basic font for main text
- 1 hotel image (for home page)
- 2 bullet images (20px or shorter), one more prominent than the other
- 4 background images (to place behind whole page, nav, testimonials, events table, banner area, or footer area. You need to cover 4 different areas.
- 1 "room service" image (for services page) -- must make sense as "room service"
- 1 "spa" image (for services page) – must make senses as a "spa" image
- 1 themed hotel logo image (see "Recommended Final Project Resources" page for more details on the logo creation). It will be placed into your project with CSS "positioning styles" as indicated in the 2nd final project video.

As needed, do Google image searches or download what you need from another web site or better create or modify it yourself.

6) **Go through the Page Layout Guide!** When you are ready, skim the designs. Pay most attention to the last 2 layouts -- the "Grid" and "Flexbox" based layouts are worth knowing. And "Responsive Design" at the end should be understood. I recommend trying either the grid or flexbox layout. But that is up to you. Write your code into the "common.css" style sheet within the "Page Layout Styles" section.

2. Helpful Notes:

1) **Editor**: Feel free to use whatever favorite CSS editor you like when building styles for this site.

2) **There's a lot to do!** If it seems overwhelming, keep in mind that 50 extra credit points are built into the scoring (plus some more for responsive design), so you don't have to do everything to still end up with a perfect score!

3) **Save your work and make backups!** Be sure to save your work often for this assignment and be sure to make proper backups of your site's files. Loss of files will not be considered a valid excuse -- only an indication that you are not yet the webmaster you can and should be.

4) **Give Credit!** Indicate at the bottom of each page (in the copyright / footer area) where you got each image appearing on that page. None of our textbook images should be used.

5) **Testing 1**: When graded, your site will be tested using the latest Chrome browser for Windows at a resolution of 1366x768 so make sure it looks good at that resolution. Although that is not a super high resolution, it is one of the more common mid-range resolutions. To change (or check) your own screen resolution, right-click the Windows desktop and choose "display settings", then "advanced display settings" (Windows 10). So, for example, you would not want to insert a hotel image onto your home page that is 1400 pixels wide (that's too big), even if it looks ok on your own super wide monitor. It is recommended you test your site frequently using 1366x768 to avoid these issues. Note that during grading I will also test your site at screen widths around 550 px and also 750 px wide to see if you deserve extra credit for "responsive design" (see the final project layout guide's last pages for more on this subject).

6) **Testing 2**: Your style sheet files will be tested for validation using the W3C validator and you will lose points for each validation error found. So, it is recommended that you validate your own styles as you develop them, not just as a final step just before uploading your final version of your site.

7) **All of your CSS must be your own!** That said, you are encouraged to modify and adapt existing sections of CSS previously used or demonstrated in this class (textbook, videos, class demos) to apply it to your theme and your custom needs (copy the technique, not the exact code.) You should not include any scripts of any kind, such as JavaScript, in your site -- just HTML and CSS.

8) **Leave the HTML alone and do your work with CSS.** That is the general approach here. That said, under certain circumstances you can add or move a "div" and/or a "span" tag and/or an id or class, but only if it is absolutely necessary for you to style your site the way you want to -- you will lose points if your instructor determines that there were selectors that could have been used instead to produce the same effect without changing the HTML. Note that there are a lot of div's and span's and id's and classes already there for you to use, so use them!

9) **You may change the text on the pages only where indicated** in the grading sheet, such as within the footer area, the testimonials area, the calendar events, and one of the frequently asked questions.

10) **You may not rename any existing class name or id name.** You may not move, reorganize, or significantly change any of the existing HTML tag structure without obtaining permission to do so from your instructor. The exception to this is where the Layout Guide says it is ok to move the testimonials for a grid or a flexbox-based layout. You also may not rename any .html files or .css files within the site. Mostly these guidelines are to make grading more reasonable and to keep a level playing field for everyone.

11) **Make sure to place your styles within the proper sections** that are set up for you within the common.css and custom.css style sheet files. If you aren't sure where to put something, watch the 3 final project videos. They discuss this extensively. You can also email or ask in Canvas discussion. You can lose some points for any styles that are submitted but are in the wrong place.

12) **More on background images** -- you need to have 4 background images that count in this manner: Only 1 can be used as a page or page wrapper background. (So even if you have a different page background image for each of your pages, it will only count as 1 background image for this purpose.) So, use backgrounds in various ways on different parts of the page, but do it consistently on all pages. Similarly, a different background image for each nav link would still only count as 1 background image. A background image also will not count if it obscures the existing text and makes it hard to read. Place background images in locations to avoid interfering with text, be careful about color contrast, or try to use **opacity** so that only a smaller percent of the image is coming to the surface.

13) **More on fonts**: One theme-based serif font needs to show up on your site on the headings (h1, h2, h3, h4). It should be a font from Google Fonts, or a font that you download and include in your submission files. There is separate info on Google fonts given in the Zoom sessions in Canvas. Ask for help if you still have questions about fonts. I can make an example available for you to see.

3) Links to the 3 Final Project Tutorial Videos

Final Project Video #1, 31:18 minutes, covering HTML changes and the 1st half of "Common Styles".

Final Project Video #2, 34:13 minutes, covering the 2nd half of "Common Styles".

Final Project Video #3, 26:31 minutes, covering all of the "Custom Styles".

4) Final Words:

Finally, when you are all done with this project, be sure to zip up ALL of the files needed to make it work right and submit this one zip file for your final project submission. I will download and unzip it and I should find a folder with your name on it that contains all of your final project files within it. That should include a file named "index.html" that is your hotel's home page. All images, style sheets, web pages, fonts, etc. needed to show your site in all of its glory in the browser should be there and working!!

Good luck on this project!

Scott McLeod