

CS 268: Web Systems – Spring 2018

Assignment 2 – Due March 13th (11:59 PM)

In this assignment we will practice CSS by creating three very different styles for one HTML file. (Well, technically three HTML files, but they are identical except for the fact that each links to a different CSS file.) Specifically, we'll be making three different pages discussing the fictional company Black Mesa from the Half-Life series of games. One style will appear as a formal governmental report, one style as a somewhat standard if slightly secretive corporate website, and one style will be a bit of an off-the-wall conspiracy-theory personal site.

You have received:

- These instructions
- Four HTML files, "black_mesa_?.html", for ? in 0-3
 - DO NOT MODIFY THESE FILES
 - black_mesa_0.html does not reference a CSS file, the other three do
- A subdirectory called "images" containing seven image files
 - Six of these are explicitly referenced by the HTML files, the seventh you will need to reference in one of your CSS files
- Three image files, "layout_?.png", for ? in 1-3
 - These are the appearances which you must recreate with your CSS files

You must create:

- Three CSS files, "style_?.css", for ? in 1-3
- These files should be such that when present "black_mesa_?.html" looks approximately like "layout_?.png"

You must submit:

- A single .zip file containing a single directory, which in turn contains all the files you were provided plus your 3 CSS files

Notes regarding all layouts:

- Make sure to provide reasonable alternatives for all fonts – the last fallback should always be a generic family
- For this assignment, there's no need to make these styles highly reactive to various screen sizes. Do make sure none of your elements' sizes are based on the size of the viewport.

Notes regarding layout 1:

- The width within the border should be 1200px.
- All text on the page should be in a fixed-width 16pt font.
- Navigation links should always be black and never be underlined.
- When the user hovers over a navigation link, “->” should appear to the left of it.
- The 6 images visible in the other layouts should not be visible in layout 1.
- The “redacted” text is actually just black-on black; you can still see it by selecting it.

Notes regarding layout 2:

- The width of the area within the outermost border should be 1200px.
- The outermost border should have rounded corners.
- The navigation menu should be fixed to the bottom-right corner of the screen.
- Section headers should be in ALLCAPS.
- Make careful use of padding and margins – Yours don’t need to be identical to the layout image, but they should look balanced and different elements shouldn’t be pressed right up to each other.
- The individual cells of the navigation menu should be
 - Black text on white when unvisited or visited
 - Orange text on black background when hovered
 - White text on orange background when being clicked

Notes regarding layout 3:

- The fonts used on the page are Papyrus, Comic Sans MS, and Times New Roman (though each should have appropriate alternates).
- Titles should be ALLCAPS, main content should be all lowercase.
 - ...except for the “sensitive” content, which should be all-caps, bright red, and underlined.
- Links should have browser-default styling with one exception: the question mark should change to an exclamation point when the user hovers the link.
- You will need to use transparency when giving the sections a background color.
- Those green dots are in fact a kind of border.
- Yes, you should blow the pictures up to a larger size than the files for this layout. Yes, this is in general a terrible thing to do. :)

The notes above are not an exhaustive list of what you must do. Your task is to recreate the general appearances represented in the layout photos, but don’t stress about recreating widths/margins/paddings exactly – ballpark is fine as far as layout and spacing goes. As always, email me with any questions!