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CS410

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Final Project Journal: Personal website

The URL of the website is:

https://j1hu1yang.github.io/WebDevFinalProject_JihuiYang/

The URL of the public repository is:

https://github.com/J1hu1Yang/WebDevFinalProject_JihuiYang

What I would like to talk about first is the plan of this personal website, there's no detailed plan before I start building in the consideration of the possibility to implement any specific kind of features, which means I have to figure out if an element of the website is going to work before I add it into the design.

The first thing I need to consider is the navigation bar, make it "sticky" to keep it on the screen seems a good way to implement it, but after a read about Alex Turnwall's article on his blog (<https://www.turnwall.com/articles/adding-single-page-scrolling-navigation-to-your-site/>) I changed my mind, a fixed position navbar is more suitable for this website in my point of view, because there is very few contents to navigate, and the navigate feature by click is very powerful. So finally I choose the fixed position navbar and make it a sidebar.

The second thing I need to consider is the background, at first, I tried to add images by overlapping in order to make the images stay in their position, but it

failed eventually, almost all of the other elements are moving in a weird way if I try to change the screen size. To fix this problem I delete the images from the .html file and add them in the .css file, also I use Chris Coyler's tutorial (<https://css-tricks.com/perfect-full-page-background-image/>) to fill the entire page with images, and it's better than I thought when it's finished.

The third thing I want to talk about is not very related to coding technique, which is the banner with the name of each section, that inspiration is from Rhiannon Navin's personal website, I noticed the banner fixed from left to the right side is very useful to separate different part, also it's a good way for the transition from one kind of background to another, such kind of design also reflected in my website.

The last thing I need to talk about is accessibility, the first time I run lighthouse audit on my website the score of accessibility is 84, and most of the problem is because of the contrast ratio, to fix that I try to find a clever way to pass the test without changing colors on everything. So I change the font of every problematic text to 18pt, and it worked, last time I run the audit the score of accessibility is 100. In fact, I think it really looks better with bigger fonts.