**Project 3**

**Responsive Design and CSS Preprocessors**

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**Project 3 Reflection**

Responsive design and media queries are topics I first discovered while taking CMST 385, and unfortunately the information provided, as well as the information I gathered on my own is the same, so I did not learn anything new on this topic.

To be frank, since this project was my introduction to LESS and SASS, I found it all quite challenges. I decided to use SASS for this project, and my first setback was downloading software that can run SASS. After facing a few issues creating a SASS environment on my CPU, I decided to use the Scout App which essentially runs SASS over the web, rather through command prompts on your computer. My next issue with SASS, was learning how to convert all of the CSS tags I am familiar with to SASS, and if that is even necessary. This frustration mainly came from me being new to the concept, and after a few tutorials and videos on the topic, I have become more familiar with using it.

As previously stated, I used SASS to complete this project. The idea behind SASS is creating an ease of use for writing CSS code. With that said, I looked at my previous CSS stylesheets to determine what code I found redundant that can be solved with a mixin, which was mainly font styles and formatting, for my needs. I applied that same logic to define variables as well.

Although I have faced my fair share of issues, as I am still new to creating webpages, I am quite comfortable with columns and grids for responsive design. As I started out learning, I had a hard time figuring out what column names I should give to my div tags in order to maneuver the different sections of my webpage, and I can imagine that being difficult for someone else just starting out. Implementing SASS with little background as well.

I did want to add that my HTML pages do hold some warnings. It is suggested that I add headings to my articles and sections, but they are being used as containers in those instances. I need to do some research on what semantic should be used to replace a div that is just used as a container.

Graphical user interface, text, application, email

Description automatically generated

Figure - CSS Error check

Graphical user interface, text, application

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Figure - Preprocessing Error Check

Graphical user interface, text, application

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Figure - Project 3 Error Check