

Documentation for Etude The Third

The Process of getting this project to work was a long series of searches for info online and asking for help from friends and classmates, at least for the Coding section, haha. The building part was fairly simple when following the instructions and diagram. Though some of the circuits didn't entirely make sense in the image, it was clarified fairly quickly by going to the sensor lab to ask for help and feedback. Some parts were also missing, and others not entirely clear (Such as which resistors would go where) but all was clarified at the aforementioned visit to the lab.

After working on the main circuit I got to work on the code. Though certain sections were pretty simple to get through by recalling info about previous exercises, such as the Button State and Trigger exercises, I had to look further to gain a clear idea on how the RGB LED works. I then had to look over various sites in search of how to work with Arrays, because they've never been one of my strong points. After having issues for a while I decided to ask a friend familiar with coding for help, and he tried, and some things got through, but I had to ask classmates for help again to actually manage what was needed to a degree, while adding in things I understood as well to make it easier for me to understand if need be down the line. I also made use of some reference code from the arduino sites to research additional aspects of the code I might need to achieve what I needed, such as the analogread Values.

It was an interesting etude to work on and mull over, but it was difficult for me not to become impatient and a little frustrated while working on it. It was especially frustrating not being able to get it working at all in the end. Such a shame. The code I tried to use for getting feedback on the specific button values resulted in my seeing that for some reason multiple buttons would simply give out the same result, and then when I'd try changing modes though the light would change, the modes seemingly wouldn't. Which resulted in even more frustration. This Etude above all things served as a way for me to realize that I should ask more questions to Sabine and Elio regarding code, rather than just do what I think works. The THIS project made me a little over confident in my abilities, and this really humbled me haha.