

Reflection

Overall, designing and creating the Muscle Gaming Machine (MGM) has been a very time consuming, learning process. I have never spent so much time on a class and enjoyed it at the same time. Over the course of this semester, I have learned the importance of planning, adjusting your plans, designing just one step at a time, and creating a complete device for the real world.

I made many adjustments to my plans when creating the MGM. At first, I planned to use 4 muscle sensors that were a little bit less expensive because they were the last generation model. These sensors ended up not working at all, but probably wouldn't have been reasonable if they had, because they each require their own battery. I was able to pivot to using just two newer muscle sensors that could use the system's single battery. They are also more accurate which has been more helpful when developing the code.

Honestly, looking back, I wouldn't change very much. Aside from using the newer muscle sensors, I have been very happy with the process. That is not to say that I have not struggled through hours on end in the process, because I have. Sometimes it takes hours of struggling with something to really learn. This design process has been a series of failures and struggles which has resulted in learning and progress.