

## Reflection on Project 1

When I started working on this project, I got lost where to start from because there was no platform or any kind of baseline to start with. I had some background of using C++ in the past. however, not being able to practice for a long time really turned me back to a beginner. Implementing the codes was difficult too, but my partner and I struggled a bit with using GitHub in the beginning. We either forgot to add our files before committing, or we were not sure which branch we were working on. We ran into a pretty big problem once when we merged the pull request without really reviewing the codes and had a hard time reverting or retrieving the codes we previously had. I think our issue was that we accept each others code without taking a careful look at, and also we worked on separate branches while working together physically which created a huge confusion later on. Once we figured out that we should rather pair program on one computer, we used one computer to implement the codes and the other one to search for information about C++. This got rid of so many issues we ran into, and it also helped us communicate better than when we were on separate branches because then we try things on our own and compare later.

I have been thankful how passionate and willing my partner was to work with me, and my partner also slept over my dorm in order to work on this. It was not the best feeling to have thinking we are struggling even through this very first project, but we were able to encourage each other and actively look for help either online or offline. This project let me have a great experience in general — learning about C++, how to debug, how other people think through these, etc.