

Final Project Writeup

While working on this project, I learned a great deal about both how databases interact with front end applications and code, as well as how to create GUIs in the first place, and a lot of the struggles that come with them. A great deal of work was done attempting to implement the GUI, with attempts made in different languages, different frameworks, and with different overall goals. Eventually however, we settled on pySimpleGUI, a wrapper for Tkinter which made the GUI a much more manageable affair.

Though I worked much more heavily on the back end systems, namely getting the database created and connected, creating queries, and setting up a system for the GUI's input to be sent into a custom made query which returned data to be parsed, I still did have to assist my partner in the GUI a lot more than I wish I would have had to given the time crunch.

If I had another chance to work on this project I would absolutely meet much more often with my teammate(s) to establish a good basis of work, and I would have started with pySimpleGUI MUCH earlier, as JavaFX and html files proved very difficult to do well on a course not dedicated to learning them. I very much enjoyed, however, MySQL and how it very neatly and intuitively meshed with my code to create a nice system. More than anything else, I would also have liked to have been able to access a better set of data. Access to the statistics of professional esports is a very costly process, and that kept me from being able to access much data, and especially not any of high quality. The tables, while I was able to make due, were laid out in a poor fashion with columns that were useful but made joining the different data sets quite difficult.