For our final project, we decided to make a GUI that would present the user with COVID-19 case data for each state at different periods of time. A slider at the bottom will be able to control what date you want, and the numbers represent how many cases for each state have occurred up to and including that day.

An interesting feature in our project is the amount of raw data that goes into it. We started with an excel file with over 15,000 lines detailing covid cases and deaths from every state. From there, we separated each state into their own file, which all contain 294 entries, as that is the number of days we are reporting on. Another interesting part of working on this project was the way we designed the GUI. Because we cannot drop text fields directly onto an image view, we had to plot the point of every state using labels.

This project was full of highs and lows. But the good thing is that joy always followed the struggle. It took us a good bit of time to figure out how to import the amount of data that we needed, but when we finally saw any number other than zero show up in our GUI, we were elated. Another feature that we struggled a lot with was the slider. It didn't seem to be updating how we wanted it to.

While not directly relating to the code, a major struggle was being online for this project. It was difficult having to work on different segments of code at the same time on two different machines, as opposed to being on campus and collectively working on a single computer. Despite both having the same code and project settings, we ran into issues and errors that were vastly different.