Reflection

Jon and Tan

Our group worked together by sectioning off the tasks for the project at some points and then also going through some of the project together. Tan did a lot of building the actual schema diagram while I was giving him input on what it should look like and then we both were very involved in the SQL Alchemy files with Tan focusing more on the base and insert files while I focused heavily on the full system file. We both did the requirements together and both looked over all the work for the project before moving onto the next step. We both would help each other with coming up with correct prompts for the ai to assist us in writing the code. We always met in person to communicate our ideas for the project and when working independently, which we only did once we used email and text to communicate what progress we had made.

We used both Claude and ChatGPT to help us code as we would feed it some combination of prompts and existing files to come with or alter an existing file. We decided to use A because it made the process of writing code so much more efficient and saved us a lot of time. The AI was good at being able to generate code when we gave it detailed prompts with step-by-step instructions and provided examples for a kind of example of what it should look like. It was also good at interpreting schema diagrams and coming up with the base ddl for the schema diagram we gave it. At times we had to manually do things or change things when error would occur, and we would also change the code to the wording and design of our liking.

We encountered a few different issues when integrating one of which weas we decided to change and add some attribute names mid-way through which meant we had to trace back and change and alter the past attributes. We wanted to add some attributes to the two stats tables within our design but did not make any structural designs par that. There were many errors throughout the process and many times where the code was not working due to inconsistent naming or improper structure in the code that led to errors. The hardest part about integrating a db into a software product is making changes to design and how you want the front end to interact with the backend. It is best to have everything design and application usage done and set before going into the integration process.