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CS-499 SNHU

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Milestone Four Narrative

The artifact I’m enhancing for this milestone is a project from my CS-320 class that is built of six different classes: A Contact, Task, and Appointment class, with their own respective Service classes for each. This project was written in Java originally, and my first enhancement was to translate it into C++, and begin adding a main menu to interact with the classes as an application.

The second enhancement I had planned was to implement class integration within the main menu, however I hit a roadblock that I wasn’t able to solve, so I pivoted to expanding the class integration as much as I could within the program itself, without the connection to a proper database.

I had originally planned to connect the program to MongoDB, however I wasn’t able to get the MongoDBC++ driver (mongodbcxx) installed on my machine after many hours of researching solutions while reaching out on a few different forums for help and receiving no useful suggestions over the course of several days. Because of that, I scrapped the idea to connect it to MongoDB and decided to finish up the first and second enhancements, and polish the program up with the time I had remaining.

The artifact as it is now shows my ability to put together class structure and integration within a functioning program, as well as storing and manipulating various data type within those classes. While working on this program, I learned quite a bit about how to handle dates and times using the C++ chrono library.