## ***CS-242 – Fall 2020***

# Final Project – Reflective Writing

*(20 Points)*

Q1. Did Final Data Structures Programming Project advance your understanding of Data Structures? How did it further help you in polishing your logic-building skills?

The final programming project definitely helped me understand more of data structures. Building the program from scratch and going through each process was definitely a great learning experience. Logic-building skills have also gotten worked on during the project. I would say I’m more confident with programming effectively a bit more after trying to build the program from scratch and using what we learned throughout the course.

Q2. What were the major challenges encountered during developing the Data Structures Final Project and how did you overcome them?

Some of the major challenges I encountered while making the programming and definitely starting it. I had an idea for the project, but I was trying to figure out where to begin! However I tried mapping out my classes and figuring out what type of classes I needed. Also I had some errors, but I was able to fix them by using some of the programming projects as references. I wouldn’t say I had a really major problem besides that. Also another problem I face was getting some of the objects I created to work. The way I overcame these issues is refer back to the lecture and other programs I worked on.

Q3. What further enhancements could you have made in your Project?

Honestly, I had a lot of ideas in mind of what I could’ve added. I wanted to incorporate more user-based decisions and add more objects to the classes I had or possibly even add more classes to the program. However I do intend to practice with this program to incorporate more classes and functions. The possibility is endless for this program. However I decided not to add more because I kept running into errors upon errors. This is definitely something I will be working on over break and hopefully be able to add more to it. And of course making the code more efficient and organized.

Q4.) What other types of problems can be solved by a similar Data Structures Programming Project?

OR

Could your Project have been developed in some other way? Please elaborate.

There’re many problems that may be solved using similar programming projects. For example making a list or a reminder of things to do. We can definitely make a program for that so we will never forget ever again! Also there’s other stuff like storing data such as information about a customer if you ran a business. Possibly information for a game. After making my final project, there’s really nothing you can’t do with programming. Honestly, you can do a lot with data structures.