**Group Report**

On Tuesday, March 15th, our group for the Data Structures Programming Group Project was formed. The group consisted of 4 individuals: Ashley Deans, Leondré Bromfield, Gabriel Tickle Garcia and Tiana Larmond. Our goal was to create an application that was both time and space efficient that would still fulfill the project requirements.

Our first step in achieving this goal was to meet as a group. On Thursday, March 23rd, we discussed the group project’s requirements and compiled our ideas. After this, we created the OOAD. We also established our workflow by integrating source control via a software platform called GitHub and working simultaneously on the code by using Visual Studio Live Share. This would help us to keep our files consistent. We worked together to create the passenger, node and linked list class.

During this meeting, we also divided the work amongst ourselves. We decided on a random function format to use throughout the project. Leondré handled the name generation function. Tiana was responsible for the to string function and the random id number generation. Gabriel Tickle Garcia was in charge of creating the flight number generation and the arrivals generation function and Ashley was responsible for implementing the gender and priority generation functions and the report generation.

Over the weeks leading up to the submission date, we constantly tested each other’s code for errors and recommended ways to fix them or make them more efficient. We first thought that a doubly linked list would be best suited for this project, but after going through the code we decided that a singly linked list would be more efficient. In our 2nd to last meeting on March 30th, we collaborated on handling the sorting function to reorder the priority 1 persons in the list. When we completed the project, we met again as a group to go through the code in thorough detail to prepare for the interview so that we were able to answer any question regarding the parts of the code we might not have worked on.

We all played a vital role in completing this project. Our group worked very well together. There was a constant open line of communication via WhatsApp, which we all utilized.