

### Week1:

We assigned tasks to each person and we looked for relevant sources for the whole project. We also looked into openflight datasets and decided how we would utilize them. Furthermore, we decided the algorithms we wanted to explore, namely Graph traversal (BFS), Shortest path and Strongly connected component. We also worked on parsing the data files and created classes for the graph. We finished the basic implementation of a graph.

### Week2:

Everyone started working on their own task, and we finished most part of Graph traversal (BFS), Shortest path and Strongly connected component but there were still many errors and bugs needed to be fixed. We were able to implement BFS using iterators that we learned from the lab and mp. The shortest path algorithm was based on the pseudo code given in lectures. We also created the Makefile and some basic test cases.

### Week3:

We fixed bugs and added comments. Also, we added more test cases for three algorithms and helper functions. At this point, we had a completely functional codebase. We ensured that test cases, including some edge cases, were passed. We also wrote some demo code in main.cpp to showcase our result.