Week (11/22 - 11/28):

This week we completed the project goals. We finalized our team contracts. We finished the header files being airport.h, graph.h, and routes.h. We implemented portions of the Airport class, we also implemented the Routes class. We figured out how to parse the data needed to build the graph structure. Figuring out how to project onto a map is also finished.

Week (11/29 - 12/05):

This week we completed the projection onto a map. It accurately projects points based on longitude and latitude and is able to plot all the airports in our graph structure onto the map. The route lines are also properly drawn, but vertical lines do not come out well due to the simple line algorithm we implemented. This may be improved in the future. We did our midpoint project check-in and clarified our project goals (which had to be altered from the original goals because we are a group of two). We are now doing the visual representation of our graph by projecting it onto a map and using the breadth-first traversal to find the shortest number of flights to reach a destination. We have completely implemented the Airports, Routes, and Graph classes and have successfully built the graph structure. Further testing is still needed which will be done next week.

Week (12/06 - 12/11):

This week we completed the breadth-first search to find the shortest path of airports from one airport to another. We finished testing and we finished the presentation and final report to We recorded our presentation describing our goals, development, and our final outcome. We modified the makefile and did further testing.