**Travel Tool Weekly Report**

Week of 3-5-21

By Rudolph Hanzes, Gregory Bittinger, Kaleb Piper, Jacob Johnson, and Robert Minerd

**Summary**

This week, our group continued to further the input capability of the flight data API as well as getting the data the user requested to return and display. Along with this, we now use the distance matrix API to return the distance between any two cities/towns in the continental United States. The beginnings of a Hotel/Accommodation API were put into the site, but still need some work to function properly.

**What Was Accomplished Last Week?**

* The flight data API now successfully returns the data that is requested by the user and displays in the correct format to the user’s screen.
* The distance matrix API will now return the distance to drive between any two towns and cities in the continental United States, and output will also display the average amount of times a user would have to make a gas stop.
* The beginnings of a hotel API were added into the site, although work will need to be done to add the inputs/output of the API for it to be accessed by the user.

**What Problems Were Encountered?**

Problems encountered this week were working out how to properly display the API data to the user, using both the distance matrix API and flight data API. Both issues were resolved, and an example will be given at the end of the presentation. However, we will still need to work on getting multiple outputs for the flight data as well work on adding extra input/output to support this future change.

**Team Progress Alignment with Gantt Chart**

We are still aligned with our Gantt chart, and we are currently in the collecting web data portion. Next week we are going to start on the user interface design phase.

**The Plan for Next Week**

For next week, our group will further investigate getting multiple options returned for the flight data API, as now we can properly get the data returned to the user. The overall user interface will likely start to get finalized but getting everything working properly will still take priority. If there are any suggestions for further additions, we will also report our findings next week into their feasibility.

**Member Contributions**

* Greg Bittinger: Greg helped to display the flight data to the user and assisted other group members in finding and implementing a hotel API.
* Jacob Johnson: Jacob worked on returning the values from the APIs to the users in a results tab. He also added a calculation for the recommended amount of gas stops if the user were to drive.
* Rudolph Hanzes: Rudy assisted with development of implementing the Hotel API as well as discussing output methods for the flight data API.
* Robert Minerd: Robert began to implement the hotel API into the website and helped to put together the presentation.
* Kaleb Piper: Kaleb put together the weekly report and presentation and assisted the beginning implementation of the hotel API.