**Travel Tool Weekly Report**

Week of 2-18-21

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

**Summary**

This week, we finalized the best way to utilize JavaScript to capture user input and save it into variables that can be accessed throughout the website. Research as well as prototypes were made into both web scraping as well as a potential alternative method for retrieving flight and other data using an API.

**What Was Accomplished Last Week?**

* Made progress on the “Plan Your Trip” and userdata.html pages.
* Finished a user input data section prototype to allow saving of data input into variables. This will enable the sending of data to other functions to retrieve the desired output.
* We have begun working on a web scraper prototype.
* We have explored alternative methods of retrieving up to date flight price data using API’s.
* For testing purposes, implemented a prototype API into the website that returns flight data.

**What Problems Were Encountered?**

* GitHub pages does not allow for PHP POST, so we instead opted to use JavaScript functions.
* Avoiding things like pop up ads while web scraping.

**Team Progress Alignment with Gantt Chart**

* We were able to accept the user’s input on schedule.
* Continue aggregation of user and flight data.

**Plan for this Week**

* Continue prototyping our web scraper.
* Explore more ways to utilizes API’s to achieve the goals of this project, perhaps by using them to retrieve hotel data.

**Member Contributions**

* Rudolph Hanzes: Developed a user input system through JavaScript which allows Travel Tool to store all information into variables which can be submitted and accessed throughout the website. Created a UserData page where user input variables are retrieved and displayed for conformation from the user before sending the data to the API or web scraper.
* Greg Bittinger: Researched and implemented an API into the website for testing purposes, to see what kind of data would be able to be retrieved with them.
* Jacob Johnson: Worked on attempting to save user inputs through php and displaying them back to the user to make sure they go through. Also worked on web scraping flight prices with Selenium in Python before we switched to an API.
* Robert Minerd: Helped make progress on retrieving data for the user from other. Also assisting in formatting what the “Plan Your Trip” page should look like and get the weekly reports done for the presentation.
* Kaleb Piper: Researched both API’s and how to use web scrapers in preparation for future implementation on the website. Also prepared the weekly report and presentation.