**CS 313: Intermediate Computer Programming**

**Individual Project (Friday, 16th Sept. 2022)**

For the project, I read the three CSV files using the CSV file reader and stored the information read from them in 2 dimensional arrays. I then opened the input file and read the start location and destination location. Using a delimiter, I split the text into two individual strings. Using a while loop, I checked if the input file contains the required information and stores it into an array.

Once I had the cities, I started searching for the routes. Storing the multiple starting locations in an Array list, I used a series of recursive for loops to iterate through the csv files to find the flight stops to the desired destination. I also used for loops to ensure that the the destination found is the required destination.

To complete the challenge, I wrote the found routes to a .txt file and saved it to the folder that contains all the required files (csv files, code and input file)

References

Different ways of Reading a text file in Java - GeeksforGeeks. (2022). Retrieved 30 September 2022, from <https://www.geeksforgeeks.org/different-ways-reading-text-file-java/>

Java For Loop. (2022). Retrieved 30 September 2022, from <https://www.w3schools.com/java/java_for_loop.asp>

Java Read Files. (2022). Retrieved 30 September 2022, from <https://www.w3schools.com/java/java_files_read.asp>