**CSCI-SHU 213 Databases**

**Final Project – Files Description**

**Back-end:**

**app.py**: Back-end python script for this project. Details for each use case can be found under use cases explanation file. Languages used in this script are Python and SQL.

**responses.py:** Classes to manage return responses to front-end. This file also includes classes for each user and their data; customer, booking agent, and airline staff.

**Front-end:**

The front-end is built with react; hence, all the components are made with Javascript files paired with css files for styling. Furthermore, all React Components are made as classes instead of functions.

1. AddFlights.js is a component styled with AddFlights.css that contains the form for staffs to add a new flight into the system.
2. AgentCommissions.js is a component styled with AgentCommissions.css for agents to check the commissions that they have received.
3. AirlineAgent.js is a component styled with AirlineAgent.css for staff members to see specific information about the booking agents, and to add a booking agent into the system.
4. AirlineCustomer.js is a component styled with AirlineCustomer.css for staff members to search for customers and see the flights that they have booked.
5. AirlineReport.js is a component styled with AirlineReport.css for staff members to see the report of the airline that they are working for.
6. AirlineStaff.js is a component styled with AirlineStaff.css for staff members to search for other staff members and grant them permissions.
7. Airplanes.js is a component styled with Airplanes.css for staff members to see the airplanes that an airline has; they are also able to add airplanes through this component.
8. BookedFlights.js is a component styled with BookedFlights.css for customers and agents to look for flights that they have previously booked.
9. CustomerSpendings.js is a component styled with CustomerSpendings.css for customers to check how much they have spent on tickets.
10. FlightList.js is a component styled with FlightList.css to hold flight information.
11. Home.js is a component styled with Home.css that users will be redirected to as the main page of the website.
12. Login.js is a component styled with Login.css for users to login to the system.
13. Register.js is a component styled with Register.css for users to register themselves into the system.
14. SearchFlights.js is a component styled with SearchFlights.css for users to search for a flight. The class SearchFlight uses the class FlightList to display the flights.
15. App.js is a component styled with App.css to be used as the root component of the react application.
16. Index.js is a component styled with Index.css to be the entry-point of the react application.
17. Utils.js is a file that has a utility class to hold constant values.