Brandon Cai 862080765

Bryan Nguyen 861230817

# Phase 3 Write Up

The work was split 50/50. Brandon completed the first half of the queries and Bryan did the second half of the queries. Most of the work was done independently unless complications arose. When they did come, we collaborated and were able to fix all bugs found. We were able to code them in separate locations and then merged our projects through github. Any additional functionality was done in collaboration.

## Extra Credit

- Created additional query that finds all passengers who are waitlisted, confirmed, and reserved and displays the count of each.

- Created 6 additional functions that allow you to lookup different info based on primary keys. Plane, pilot, flight, technician, reservation, and customer.

- Implemented confirmation prompts that allow users to cancel the action if the information was incorrect.

- Created script that inputs tables and indexes

## Assumptions

- We assume that confirmed is the same as reserved in terms of status as there is no way to pay for the ticket at the moment.

- Whenever you are inserting into the database, it is new information and not an update.

- Existing customers are using the interface and know their customer ID.

- Only tables with over 500 entries require BTREEs.

- Users understand what format input should be unless explicitly stated.

- User enters valid input

- Each query that requires a list gets their own personal list.

- The 7th query is ordered by descending year