

Databases Project: Write up

Github link for our project:

<https://github.com/iamgeeyuh/airline-website>

A list of the files in your application and what's in each file. (E.g. "homepage.phpscript to generate home page".)

- server.py - the API for the whole program
- App.js - holds page routes and renders the webpage
- auth-context.js - holds global variables for login authentication
- Home.js - displays a search for flights given one way or two way etc and a check for flight status
- ViewFlightStatus.js - renders View Flight Status page for staff and user
- StaffViewFlightStatus.js - component for ViewFlightStatus.js, automatically queries and displays staff future flights
- StaffFlightSearch.js - component for StaffViewFlightStatus.js, holds form for querying flights based on range and returns list of queried flights to StaffViewFlightStatus.js
- CreateFlight.js - renders Create Flight page, holds form for creating new flight
- CreateFlightModal.js - component of CreateFlight.js, renders when flight is successfully created and renders future flights

- ChangeStatus.js - renders Change Status page, holds form for changing status of flight
- SuccessModal.js - component of many files, renders and displays a message passed in by parent
- AddPlane.js - renders Add Plane page, holds form for adding new plane
- AddPlaneModal.js - component of AddPlane.js, renders when plane is successfully added and renders all planes
- AddAirport.js - renders Add Airport page, holds form for adding new airport
- ViewCustomers.js - renders View Customers page, displays most frequent customer in past year, holds form for displaying all flights of a given customer
- Revenue.js - renders Revenue page, displays last year and last month's revenue
- TotalTickets.js - component of Revenue.js, holds form for querying total tickets and total tickets sold monthly between start and end date
- Chart.js - displays bar chart
- BarChart.js - component of Chart.js, individual bars of bar chart
- FoundFlight.js - renders flights
- Flight.js - component of FoundFlight.js, renders information about flights such as airline name, price etc.
- FlightStatus.js - holds form for checking flight status
- FlightStatusModal.js - holds information about flight status after querying in FlightStatus.js

- HomeFlightSearch.js - holds form for searching for flights in home page
- PassengersModal.js - displays all passengers of a flight
- PurchaseModal.js - displays purchase form of a flight
- RatingsModal.js - displays all ratings on a flight
- Ratings.js - displays rating of a single customer
- LoginModal.js - displays login form
- LogoutModal.js - displays log out message
- NavBar - renders navigation bar which holds links to all pages
- RegistrationModal - leads user to home page after successful registration
- ReviewModal - holds form for customer to add review
- ViewReviewModal - displays a customer's review for a flight
- PreviousFlights.js - renders Review Flights page, displays a customer's previous flights
- TrackSpending.js - renders Track Spending page, allows customer to see spending in given range
- Error.js - renders error page for when user is on nonexistent page
- Root.js - renders every page

For team projects: A summary of who did what.

- Jia Huang: wrote the whole front-end of the application, the backend of some use cases, and helped debugging the frontend and the backend.
- Shenyi Huang: wrote the login authentication, registration, view public information, ticket purchasing, and staff use cases 2-4 of the API and helped debugging the backend.
- Isha Jagani: wrote customer use cases and 1, 6-9 staff use cases helped debugging the backend.