

## 1. Client Folder

### a. Dist folder

- i. Output.css → Contains all the CSS for the overall browser, making it compatible with different browsers.

### b. Node Modules folder → Contains all the different node modules installed in the project

### c. Public Folder

- i. Index.html → Base HTML set up for the project

### d. Src Folder

#### i. Components Folder

- 1. CustomerNavbar.js → Contains the react code for creating the customer's navbar and the different routes that the customer has access to.
- 2. Navbar.js → Contains the react code for creating the base navbar when a customer or staff isn't logged in and gives them the option to log in and register.
- 3. StaffNavbar.js → Contains the react code for creating the staff member's navbar and the different routes that the staff has access to.

#### ii. Pages folder

- 1. Customer Cases folder

- a. CancelFlight.js → Contains the react code for creating the cancel flight page that allows users to cancel the flights that they have bought.
- b. CustomerPayment.js → Contains the react code for creating the payment page where customers can input their card information to pay for the tickets they want to buy.
- c. CustomerReview.js → Contains the react code for the page in which customers can give reviews for the flights they have traveled on.
- d. CustomerSpending.js → Contains the react code for the page on which customers can view how much they have spent yearly, in the past 6 months, and through a range of dates.
- e. CustomerTicketInfo.js → Contains the react code for the form in which customers input the information for the tickets bought and who it is for.
- f. SearchFlights.js → Contains the react code for the page in which customers can search for flights that they wish to travel on.

## 2. Staff Cases Folder

- a. AddAirports.js → Contains the react code for the page in which staff can add airports to the ticket reservation system.

- b. AddPlane.js → Contains the react code for the page in which staff can add airplanes to the ticket reservation system.
  - c. CreateFlight.js → Contains the react code for the page in which staff members can add flights to the ticket reservation system.
  - d. Flight.js → Contains the react code for the page in which staff members can view all the information regarding specific flights clicked on by the staff.
  - e. FrequentCustomers.js → Contains all the react code for the page in which the staff can see who the most frequent customers for their respective airline is and view the different flights they have been on.
  - f. ViewFlights.js → Contains all the react code for the page in which staff can view all the flights for their respective airlines in various ways.
  - g. ViewReports.js → Contains all the react code for the page in which staff can view all the monthly and yearly money made by the airline.
3. CustomerHome.js → Contains all the react code for the page in which customers can view all their future flights by default and previous flights as well with the click of a button.

4. Home.js → Contains all the react code for the page in which  
unlogged-in users can search flights per the project requirements.
  5. Login.js → Contains all the react code for the page in which  
customers can log in.
  6. Register.js → Contains all the react code for the page in which  
customers can register.
  7. StaffHome.js → Contains all the react code for the page in which  
staff can view the flights or their respective airline.
  8. StaffLogin.js → Contains all the react code for the page in which  
staff can log in.
  9. StaffRegister.js → Contains all the react code for the page in which  
staff can register.
- iii. App.css → Contains the CSS for all the components of the application.
  - iv. App.js → Contains all the react code for the routes needed for our  
application in order to access different use cases.
  - v. CustomerReview.css → Contains all the CSS for the Customer Review  
page.
  - vi. CustomerSpending.css → Contains all the CSS for the Customer Spending  
page.
  - vii. Index.js → Contains all the React code for rendering the application.
  - viii. Input.css → Establishes the tailwind module used for CSS.
- e. Tailwind.config.js → Configures the tailwind module.

## 2. Server Folder

### a. Middleware folder

- i. Auth.js → Contains the javascript code for authentication of the authToken given by the front end of the application.

### b. Node modules folder → Contains all the different node modules installed in the project

### c. Relations folder

- i. Customer.js → Contains all the javascript code for creating our customer class where we host most of the functions and database queries needed for the use cases.
- ii. Staff.js → Contains all the javascript code for creating our staff class where we host most of the functions and database queries needed for the use cases.

### d. Routes folder

- i. Customer.js → Contains all the javascript code for all the routes needed for the front end to access as an API in order to gain the data needed to output and execute the necessary functions/queries for the customer.
- ii. Login.js → Contains all the javascript code for all the routes needed for the front end to log in either the customer and the staff and puts the information from the front end through an authentication process.
- iii. Register.js → Contains all the javascript code for all the routes needed for the front end to register either the customer or the staff and hashes the password provided and stores all this information in our database.

- iv. Staff.js → Contains all the javascript code for all the routes needed for the front end to access as an API in order to gain the data needed to output and execute the necessary functions/queries for the staff.
- e. Connection.js → Establishes a connection with our MySQL database
- f. Index.js → This file establishes our backend and creates the different route handles to make the code and searching cleaner.