

General / public functions:

[index.html](#): home page (including inputting information for public search);

[login.html](#): login page for customers, agents and airline staffs;

[register.html](#): register page for customers, agents and airline staffs;

[PublicFlightInfo.html](#): show the result of public search

Customer functions (for logged in customers):

[CustomerPurchaseTickets.html](#): customer purchases tickets by inputting airline company and flight number. The page will give out an alert of “successfully purchased” if successful, “Fail in Purchase” if failed;

[CustomerSearchTickets.html](#): The customer searches tickets by inputting the departure and arrival cities or airports, as well as the departure date. The result will be shown on the same page;

[CustomerViewMyFlights.html](#): If there is no input, all the purchased and upcoming flights will be shown. customers can also search the purchased tickets by inputting the departure and arrival cities or airports, as well as the time to filter the departure date and arrival date (Departure Date After, Arrival Date Before);

[CustomerTrackMySpending.html](#): customer tracks the spending by entering a time period and a barchart of spending will be shown.

Agent functions (for logged in agents):

[BookingAgentPurchaseTickets.html](#): agent purchases tickets for the customer by entering the customer’s email, airline company and flight number;

[BookingAgentSearchTickets.html](#): the agent searches tickets by entering the departure and arrival cities or airports, as well as the departure date. The result will be shown on the same page;

[BookingAgentViewMyCommission.html](#): booking agent can enter a period of time to view the commission within that period. The commission fee is calculated and shown in the same page.

[BookingAgentViewMyFlights.html](#): booking agent view the tickets purchased by him/her through entering the the departure and arrival cities or airports, as well as the time to filter the departure date and arrival date (Departure Date After, Arrival Date Before);

[BookingAgentViewTopCustomers.html](#): show the top 5 customers and their amount of tickets purchased through a barchart.

Airline staff functions (for logged in staffs):

[StaffAddAirplane.html](#): Add the plane by entering airplane id and seats (the airline is the same as the staff’s);

[StaffAddNewAirport.html](#): Add a new airport by entering the city name and airport name;

[StaffCreateNewFlights.html](#): Create a flight by entering all the related information;

[StaffChangeNewStatusofFlights.html](#): Change the flight status;

[StaffComparasionOfRevenueEarned.html](#): show the pie charts comparing the revenue earned through the agents and the customers;

[StaffViewReport.html](#): the staff view the tickets sold in a selected period (entered by the staff);

[StaffViewBookingAgent.html](#): view the top 5 booking agents sold most tickets last month and the top 5 booking agents received the most commissions last year;

[StaffViewFrequentCustomers.html](#): View the information of the customers ranked by their purchasing frequency;

[StaffViewMyFlights.html](#): If there is no input, all the upcoming flights of the specific airline will be shown. staffs can also search the flights of the specific airline by inputting the departure and arrival cities or airports, as well as the time to filter the departure date and arrival date (Departure Date After, Arrival Date Before);

[StaffViewTopDestinations.html](#): show the top destinations.

app.py: flask

cases and queries.sql: all the sql codes