

CSCI-SHU 213 Databases (Spring 2025)

Final Project - File Listing

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1 Routes and Function

- **final_app.py**: The flask file, contains all the routers.

2 ./templates:

- **index.html**: The web page of the very beginning opening the application.
- **login.html**: The web page for universal login. Choosing an identity (customer/staff/agent) and enter password to login.
- **register.html**: The web page for universal register. A general public to choose an identity and proceed to its registration page.
- **flight_search.html**: The web page showing the general public flight search information before Sign in.
- **flight_status.html**: The web page showing the status checking for the general public without Sign in.
- **customer_confirm_purchase.html**: The web page of notice customer that they have already purchased a ticket on a same flight.
- **customer_home.html**: The web page showing the home page for a customer/agent/airline staff.
- **customer_search_and_purchase.html**: The web page of letting customer to search flight and purchase flight
- **customer_spending.html**: The web page showing default spending records for this customer.
- **agent_commission.html**: The web page showing agent's commission

- **agent_home.html:** The web page showing the home page for a customer/agent/airline staff.
- **agent_search_and_purchase.html:** The web page showing how agent search and purchase ticket for flight
- **agent_top_customer.html:** The web page showing the top customer statistics for this agent based on sold ticket num/commission earned.
- **staff_add_agent.html:** The web page of
- **staff_add_airplane.html:** The web page of
- **staff_add_airport.html:** The web page of
- **staff_change_status.html:** The web page of showing staff changes a flight status (from upcoming to in progress, in progress to delayed etc) via forms
- **staff_confirm_airplane.html:** The web page of staff to confirm create a new airplane.
- **staff_confirm_airport.html:** The web page of staff to confirm create a airport
- **staff_create_flights.html:** The web page of showing agent creates a new flight
- **staff_grant_permission.html:** The web page of grant new permissions to other staffs in the same airline.
- **staff_home.html:** The web page of the initial page for the staff
- **staff_revenue_comparision.html:** The web page of draw a pie chart for showing total amount of revenue earned from direct sales (when customer bought tickets without using a booking agent) and total amount of revenue earned from indirect sales
- **staff_top_destination.html:** The web page of showing the top 3 most popular destinations for last 3 months and last year.
- **staff_view_agent.html:** The web page of showing Top 5 booking agents based on number of tickets sales for the past month and past year. Top 5 booking agents based on the amount of commission received for the last year.
- **staff_view_flight.html:** The web page of showing all the upcoming flights operated by the airline agent works for the next 30 days.

- **staff_view_frequent_customer.html:** The web page of showing the most frequent customer within the last year. In addition, Airline Staff will be able to see a list of all flights a particular Customer has taken only on that particular airline
- **staff_view_report.html:** The web page of showing the total amounts of ticket sold based on range of dates/last year/last month etc. Month wise tickets sold in a bar chart.

3 ./static:

- **planeimage.png:**