

Airline Reservation System: Files & Work Division

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- The List of the files in our application

File Name	Description
app.py	Flask implementation for our application
add-airplane.html	For staff usage: add new airplanes into the system
add-airport.html	For staff usage: add new airports into the system
add-flights.html	For staff usage: add new flights' info into the system
agent-home.html	Generate the homepage for the agent users
confirm-add-airplane.html	For staff usage: see all the airplanes owned by the airline he/she works for after adding a new airplane
customer-home.html	Generate the homepage for the customer users
index.html	Generate the homepage for the public users
login.html	The login page for all types of users
profile.html	The profile page for all types of users to check their personal information
purchase.html	For users and agents usage: purchase tickets for flights
register-agent.html	Generate the registrar page for unregistered agent users
register-customer.html	Generate the registrar page for unregistered customer users
register-staff.html	Generate the registrar page for new staff users
register.html	The registrar page for users to choose what

	type of user they are and direct to their corresponding registrar page
report.html	For staff usage: check ticket sales within a chosen time period; revenue comparison between direct revenue and indirect revenue
staff-home.html	Generate the homepage for the staff users
top-destination.html	For staff usage: check the top 3 destinations (last 3 months/last year/customed time period); check the monthly top 3 destinations in a chosen year
update-flights.html	For staff usage: update existing flights' info in the system
View-agent.html	For staff usage: see top 5 agents based on sales and commission (3 months/last year)
View-cust.html	For staff usage: see the customer who purchased most tickets of this airline in the last year, and the list of all the flights he/she bought

- Division of Work:

- We worked closely as a team and collaborated throughout the whole project. Our constant and effective communication allowed the project to be completed efficiently. We helped each other debug, and think about how we should design the use case and page layout.
- Zhirui Yao completed the registration of the homepage use cases and most of the customer use cases. Jiacheng Qiu completed the log in of the homepage and most of the agent use cases. We completed the remaining use cases (rest of the home page, customer, agent, airline staff, etc.) together.

- Since we completed many of the use cases together, it is difficult for us to clearly state every work division. For instance, one may feel spaces for improvements of the use cases written by the other, and he/she will just discuss with the other and add to the existing codes directly. The above work division is only for reference.