

Final Report - Airline Project

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A PDF where you will list all of the files in your application and what's inside each file/why each file is used for (E.g. "homepage.php script to generate home page"):

add_airport_form.html – allows airline staff to add an airport for the airline they work for. This is done using forms.

add_plane_form.html – allows airline staff to add an airplane for the airline they work for. This is done using forms.

agent_commission.html – displays how much commission the agent has made in the past year based off their previous ticket sales

agent_departing_trip_purchase.html – displays departing trips the agent can purchase on behalf of the user based off departure date, airports, and cities

agent_flights.html – displays the flights the agent has purchased for customers in the past

agent_oneway_purchase.html – shows the tickets that will be available for the agent to purchase on behalf of the customers. These are only one way tickets.

agent_purchase_oneway_form.html – asks the agent for (arrival or departure) dates, location, and airport by using forms

agent_purchase_roundtrip_form.html – asks the agent to input departure, arrival, destination, and original airport by using forms

agent_returning_trip_purchase.html - shows the tickets that will be available for the agent to purchase on behalf of the customer returning to their original departure airport

astaff_register.html – adds the airline staff's credentials into the main database, collects information based off forms.

change_status_form.html – changes the status of the flight, departure time, departure date, arrival time, and arrival date

create_flight_form.html – allows airline staff to create a new flight based off which airline company they work for. This is done through forms.

customer_flights.html – shows all upcoming flights for that particular customer

departing_flight_list.html – displays flights coming based off of departure city, departure date, arrival date, and arrival city

returning_flight_list.html - displays flights based off of departure city, departure date, arrival date, and arrival city. The departure city and arrival city are now in reverse than how they were in departing_flight_list.html

track_spending.html – customer can see how much money they have spent over the course of months with a graph showing their monthly spending

view_customers.html – originally a button, this gives the airline staff the option to view customers flying on a particular future flight by default, or given a specific range of dates. Customer name and email appears.

view_ratings.html – allows airline staff to review the average ratings and comments for a particular flight

view_report.html – takes a range of dates and displays a graph displaying the amount of tickets the agent was able to sell

Airline.py - includes all the functionality for the homepage, login, and use cases by using Flask. This file was written in Python.



Create.sql - creates the tables necessary for setting up our airline database

ER Diagram - created during the first part of our project, this diagram displays the tables that we will be using and the relationship between the attributes

Insert.sql - these insert statements put data into the fields created in the create.sql, these insert statements are responsible for populating our data fields with names, departure dates, airlines, etc.

Relational Diagram - created during the second part of our project, this file shows the relationships between our different tables and identifies primary keys

Agent_home.html - creates homepage for agents, shows top five customers based on commission, and top five customers based off the number of tickets, and gives you the option to search and purchase flights on behalf of customers, view flights and view commission buttons as well.

Agent_register.html - requests information such as the agent's booking_id, email, and password that will be used during the login process. This is then registered into our database.

Astaff_home.html - creates homepage for airline staff, shows all tasks they can complete by redirecting them to other web pages

Astaff_login.html - asks for the airline staff's email, password, and which airline they work for. Once logged in, they have access to the use cases.

Cus_home.html - once logged in, displays all of the customer's upcoming flights as well as gives them the option to search for future flights, rate past flights, etc.

cus_login.html - asks for the user's email and password, once logged in gives them access to their use cases

Cus_register.html - requests information such as the customer's email, name, and password that will be used during the login process. This is then registered into our database.

Departing_flight_list.html - displays all future departing flights based off previous flight, timeline, and location

Departing_trip_purchase.html - displays all future departing flights based off previous flight, timeline, and location

Flight_list.html - by default, demonstrates all future flights for the next 30 days based off which airline the airline staff works for. This can only be accessible by the airline staff.

Flight_status.html - gives the agent the ability to change the flight's status, departure time, arrival time, departure date, and arrival date if necessary

Index.html - main home page which displays login for customers, booking agents, and airline staff. You can also search flights and check the status of a specific flight.

Purchase_oneway_form.html - allows customers or agent to select which one-way ticket to purchase, this then gets put into the database

Purchase_oneway_list.html - displays all options available for users to select which one way ticket they would like to purchase based on location, dates, etc.

Purchase_roundtrip_form.html - requests the user to select which roundtrip they are interested in, this then gets put into the database

Rate_flight_form.html - retrieves a rating [1-5] and comments based off the customer's experience during the flight

Rate_flight_list.html - displays all past flights taken by the customer, gives them the option to rate past flights. This functionality is only available to the customer.

Returning_flight_list.html - displays all flights that will go back to the user's original departure airport. This can be viewed by the booking agent and the customer.

Returning_trip_purchase.html - allows customers or agent to select which one-way ticket to purchase back to their original departure airport, this then gets put into the database

Style.css - takes care of the padding and margin around our website

Track_spending.html - calculates the total cost of all past flights made by the customer