

# MySQL Query Documentation

## Notes:

- The project uses MySQL and phpmyadmin.
- Each endpoint's query is given a number and its function is explained below.
- LEFT and RIGHT OUTER JOINS are displayed whenever the 'ticket' table is present since it contains NULL values.

## Queries:

registerCustomer:

The Query is used to confirm that the username is not already in use. The Ins statement is used to insert new customer data into the database.

registerAgent:

The Query is used to confirm that the username is not already in use. The Ins statement is used to insert new agent data into the database.

registerStaff:

The Query is used to confirm that the username is not already in use. The Ins statement is used to insert new staff data into the database.

searchPage:

This Query is used to retrieve flight information based on specific conditions.

loginAuthentication:

Query1 is used to verify the existence of the username while Query2 is used to validate the correctness of the password. Query3 and Query4 are used to retrieve the permission\_id and name\_airline respectively and store them in the session.

viewCus:

This Query is used to retrieve flight information for a customer based on specific conditions.

searchCus:

This Query is used to retrieve flight information for a customer based on specific conditions.

putticketCus:

This Ins statement is used to insert new ticket information into the database for a customer.

chartCus:

This Query is used to retrieve the total amount of money spent in each month by a customer, for the purpose of creating a chart. Query1 retrieves the total amount of money spent in a year.

viewAgt:

This Query is used to retrieve flight information for an agent based on specific conditions.

searchAgt:

This Query is used to retrieve flight information for an agent based on specific conditions, and includes an attribute called name\_airline which allows the agent to purchase a specific flight belonging to their airline.

puchaseticketAgt:

Query1 is used to verify the existence of the customer email entered by the agent. If it exists, the agent can continue with the purchase. Query2 is used to insert the newly purchased ticket information into the database.

view\_comm:

This Query is used to retrieve information on total commission, average commission, and number of purchases based on specific conditions.

viewStf:

This Query is used to retrieve flight information for a company within a specific time range.

viewFlight:

This Query is used to retrieve information about purchases made for a specific flight referenced in the homeStf page.

showTable:

Query1 is used to retrieve airplane information for the company for use in adding flights. Query2 is used to retrieve information about all airports for use in adding flights.

addFlightAdmin:

This Query is used to insert newly entered flight information into the database.

showFlight:

This Query is used to retrieve current information about a specific flight.

updateFlight:

This Query is used to update information about a specific flight in the database.

addPlaneAdmin:

Query0 is used to retrieve existing plane\_id data in order to prevent duplication. Query1 is used to retrieve information about all airplanes after the update. Query2 is used to insert the new airplane data into the database.

addAirportAdmin:

Query0 is used to retrieve existing airport data in order to prevent duplication. Query1 is used to retrieve information about all airports after the update. Query2 is used to insert the new airport data into the database.

viewAgents:

Query1 is used to retrieve information about the top five agents based on the number of tickets sold in the past month. Query2 is used to retrieve information about the top five agents based on the number of tickets sold in the past year. Query3 is used to retrieve information about the top five agents based on commission earned in the past year.

deleteAgents

Query is to delete the selected agents from the db.

updateAgents

Query is to update the selected agent information in the db.

addStaff

Query0 is to get all the existing staff\_id, in order to prevent duplicated staff\_id.

Query1 is to get the information of all the staff after the update.

Query is to add the staff into the db.

deleteStaff

Query is to delete the selected staff from the db.

updateStaff

Query is to update the selected staff information in the db.

#### addAirline

Query0 is to get all the existing airline\_id, in order to prevent duplicated airline\_id.

Query1 is to get the information of all the airlines after the update.

Query is to add the airline into the db.

#### deleteAirline

Query is to delete the selected airline from the db.

#### updateAirline

Query is to update the selected airline information in the db.

#### addAirport

Query0 is to get all the existing airport\_id, in order to prevent duplicated airport\_id.

Query1 is to get the information of all the airports after the update.

Query is to add the airport into the db.

#### deleteAirport

Query is to delete the selected airport from the db.

#### updateAirport

Query is to update the selected airport information in the db.

#### addAirplane

Query0 is to get all the existing airplane\_id, in order to prevent duplicated airplane\_id.

Query1 is to get the information of all the airplanes after the update.

Query is to add the airplane into the db.

#### deleteAirplane

Query is to delete the selected airplane from the db.

#### updateAirplane

Query is to update the selected airplane information in the db.

#### viewCustomers

Query1 is to get the information of the top 5 customers for the past month based on the number of tickets.

Query2 is to get the information of Top5 customers for the past year based on the number of tickets.

Query3 is to get the information of Top5 customers for the past year based on the money spent.

viewDestinations

Query is to get the information of all the destinations, in order to give choices to the staff when adding flights.

viewCities

Query is to get the information of all the cities, in order to give choices to the staff when adding airports.

viewCountries

Query is to get the information of all the countries, in order to give choices to the staff when adding airports.

viewAirlines

Query is to get the information of all the airlines, in order to give choices to the staff when adding flights.