

I will illustrate the queries according to different functions.

1. loginAuth:
Query1 is to confirm that the username exists and query is to judge whether the password is correct or not.
Query2 and query3 are to extract the permission_id and name_airline respectively, and put it into session.
2. registerCus:
Query is to confirm that the username doesn't already exist.
Ins is to insert new customers into the db.
3. registerAgt:
Query is to confirm that the username doesn't already exist.
Ins is to insert new agents into the db.
4. registerStf:
Query is to confirm that the username doesn't already exist.
Ins is to insert new staff into the db.
5. Search
Query is to extract flight information based on some given conditions.
6. viewCus
Query is to extract flight information that the customer has bought based on some given conditions.
7. searchCus
Query is to extract flight information based on some given conditions.
8. putticketCus
Insert new ticket information into the db.
9. chartCus
Query is to get the month and the corresponding money spent in those months, in order to draw the chart.
Query1 is to the money spent in a year.
10. viewAgt
Query is to extract flight information that the agent has bought based on some given conditions.
11. searchAgt
Query is to extract flight information based on some given conditions.
In particular, in this query, we add an attribute called name_airline, which enables the agent to only buy a particular flight that belongs to the airline he/she serves.
12. puchaseticketAgt
Query1 is to judge whether the customer email that the agent entered exists or not, and if yes, they can continue their purchase.
Query2 is to insert the newly-bought ticket into the db.
13. view_comm
Query is to get the information of the total_commission, avg_commission and the num of purchases based on some given conditions.
14. viewStf
Query is to get the information of the flight of the company within a certain time range.

15. viewFlight

Query is to get purchase information about a given flight(who buys it) which was referenced in the homeStf page.

16. showTable

Query is to get the current information about the flight.

Query1 is to get the information of the airplane of the company, which gives choices to the staff when adding flights.

Query2 is to get the information of all airports, which gives choices to the staff when adding flights.

17. addFlightAdmin

Query is to insert the newly-entered flight information into the db.

18. showFlight

Query is to get the current information about the flight.

19. updateFlight

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

20. addPlaneAdmin

Query0 is to get all the existing plane_id, in order to prevent duplicated plane_id.

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

Query is to add the plane into the db.

21. addAirportAdmin

Query0 is to get all the existing airports, in order to prevent duplicated airports.

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

Query is to add the airport into the db.

22. viewAgents

Query1 is to get the information of top5 agents for the past month based on the number of tickets.

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

Query3 is to get the information of Top5 agents for the past year based on commission.

23. viewFreqCus

Query1 is to get the most popular customers based on some given conditions.

Query2 is to get the information of the tickets bought by the particular customer.

24. ticketReports

Query is to get the month, and number of tickets sold in the particular month.

25. revenueComparisonMonth

Query1 is to get the revenue earned by the direct sale in a month;

Query2 is to get the revenue earned by the indirect sale in a month;

26. revenueComparisonYear

Query3 is to get the revenue earned by the direct sale in a year;

Query4 is to get the revenue earned by the indirect sale in a year;

27. viewReports

Query1 is to get the top three destinations in 3 months.

Query2 is to get the top three destinations last year.

28. showStf

Query is to get all the information of the current staff.

29. grantPermission

Query is to update the airline staff position(admin or operator or both or neither)

30. addAgents

Query0 gets the information of all the current agents in the system, giving choices to the staff to add agents.

Query1 gets the information of all the current agents in the company, in order to prevent duplicates.

Query is to add agents into the db.