Triggers, Procedure, Functions and Roles

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Triggers

1. lat_long_check : checks if latitude of airport is from -90 to +90 and longitude is from +180 to -180
2. Change_total_distance: Increments the miles travelled by customer after each finished flight
3. Increase_price: Increases the price of the ticket for a flight after each booking in the flight by 100
4. Check_seat_availability: check if a seat is free in flight.
5. Check_seat_limit: check if seat limit for each class in a flight is exceeded during a booking
6. check_Employee_phone_Number: Validate the phone number of the employee
7. check_Customer_phone_Number: Validate the phone number of the customers in customer_profiles
8. check_Customer_phone_Number_Extra: Validate the phone number of the Customer_phone_nos tables
9. CargoLimit: check if cargo limit is exceeded when a new cargo is booked for a flight

    And prevent addition if it does so.

10. Check_plane :Check if same plane is already in a yet to commence flight in the same time

Procedures

1. Check_seat_available: Finds the total number of free seats in a given flight

2. Show_flights: Generate a list of available flights between specified airports and date

3. Distance_travelled_since_last_inspection:kilometers travelled by a plane since last inspection

4. Valid_Phone: Validate phone number

5. Valid_Password: Validate Password

6. distance_between_Airport: calculate distance between airport given latitudes and longitudes

7. Holiday_bonus: calculate bonus based on a specified percent of salary of employee on holidays

8. Get_seat_list: Get a list all free seats in different classes in a specified flight

9. Show_eligible_loyalty_programs: show all the loyalty programs a customer is eligible based on the number of miles he has travelled.

10. Cancel_booking: Cancel Ticket and refund 80 percent of the price of the ticket

11. Cancel_Cargo: Cancel Cargo and refund 80 percent of the price of the cargo.