

Group Number: Group Number 3

Team Members:

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Topic: Airline Management System

GitHub Link: https://github.com/apoorv1811/DMDD_Group_3

Drive Link:

https://drive.google.com/drive/folders/1b51rCG_6BLCW9zIFVN05Q1sHQYtZOgXH

SQL File Link:

Create: https://github.com/apoorv1811/DMDD_Group_3/blob/main/Create.sql

Insert: https://github.com/apoorv1811/DMDD_Group_3/blob/main/Insert.sql

Project Operation Queries:

https://github.com/apoorv1811/DMDD_Group_3/blob/main/Project_Operation_Queries.sql

Data Visualization Zip File Link:

https://github.com/apoorv1811/DMDD_Group_3/blob/main/PowerBI_Data_Visualization.zip

What's Included:

Object Type	Quantity or Yes/No	Comments
Tables	13	These tables include - Airport, Employee, Passenger, Ticket, Airline, Flight, Baggage, Booking, Cancellation, Immigration Clearance, Baggage Tracking, Passenger Audit, and Flight Status Audit Table.
Views	6	This includes - Baggage Tracking, Passenger Bookings,

		Current Flight Status, Airline Max Revenue, Check Availability, and Employee Airport Visualization.
Table Level Check Constraint	4	Table Employee and Table Passenger - sex check; Ticket Table - class check; Flight Table - Status Check; Baggage Table - size check
Computed Column based on UDF	1	This includes - Calculate Age
Non-Clustered Indexes	3	Non-Clustered index on Booking Table, Employee Table and Baggage Table.
Stored Procedures	4	These include - Handle Baggage, Manage Booking Cancellation, Calculate Total Luggage Weight, Update Flight Status
User Defined Functions (UDF)	2	These include - Calculate Total Flight Revenue and Convert Ticket Price.
DML Triggers	1	Audit Passenger Update, and Audit Flight Status Changed
Column Data Encryption	1	For Password Field in Passenger Table.
BI Data Visualization	Yes	Created Pie Charts and Bar Graphs for data visualization.
GUI for CRUD Operations (optional)	No	-
Other	-	-