

DBMS Stage -2 Document

Project Title: Airline Reservation System

Roll no : 18BCE075, 18BCE072, 18BCE080

Aircrafts Table :

Field	Data Type	Description	Constraints
ACID	INT	Unique Id to each aircraft.	Primary Key
Capacity	INT	No of Seats available.	NOT NULL
MfgBy	Varchar(32)	Manufacturing Company.	NOT NULL
Mfg Date	DATETIME	Manufactured date of aircraft.	NOT NULL
Model	Varchar(32)	Aircraft model that identifies it.	NOT NULL

Employee Table :

Field	Data Type	Description	Constraints
Emp Id	INT	Unique no to identify employee, unique on entire system	Primary Key
Name	Varchar(32)	Employee Name	NOT NULL
EmailId	Varchar(32)	Employee EmailId	NOT NULL
Designation	Varchar(32)	Working duty position	NOT NULL
Department	Varchar(32)	Associated department name.	NOT NULL
Contact No	NUMBER	Contact no of employee.	NOT NULL
Address(Street)	Varchar(32)	Street Address of Employee.	NOT NULL
Address(City)	Varchar(32)	City of residence of Employee.	NOT NULL

Airlines Table :

Field	Data Type	Description	Constraints
AIRLINE ID	INT	Unique key for each airline.	Primary Key
Name	Varchar(32)	Name of the Airlines	NOT NULL
Aircraft	INT	Aircraft id from Aircraft table.	Foreign Key
Employee	INT	Employee Id from Employee table.	Foreign Key

Passengers Table :

Field	Data Type	Description	Constraint
Name	Varchar (32)	Name of the passenger.	NOT NULL
UserName	Varchar(32)	Unique username for each passenger.	Primary Key
Age	INT	Age of the passenger.	NOT NULL
Nationality	Varchar(32)	Nationality of the passenger.	NOT NULL
Email	Varchar(32)	Email id of the passenger.	NOT NULL
Contact No	NUMBER	Contact no of the passenger.	NOT NULL
Address(Street)	Varchar(32)	Street Address of the passenger.	NOT NULL
Address(State)	Varchar(32)	State Address of the passenger.	NOT NULL
Address(Country)	Varchar(32)	Country Address of the passenger.	NOT NULL

Discounts table :

Field	Data Type	Description	Constraint
Coupon Code	INT	Unique Coupon code	Primary Key
Title	Varchar(32)	Label to know the discount.	NOT NULL
Amount	INT	Discount Amount in %	NOT NULL
Description	Varchar(32)	T & C of the Discount.	NOT NULL

Fares Table :

Field	Data Type	Description	Constraint
Fare ID	INT	Unique fare ID	Primary Key
Amount	INT	Amount in Rs.	NOT NULL
Description	Varchar(32)	Description of the Fare	NOT NULL
Route	Varchar(32)	Route for which the fare is applicable.	NOT NULL

Flights Table :

Field	Data Type	Description	Constraint
Flight Id	INT	Unique no to identify the flight.	Primary Key
Airline	INT	Airline Id to which the flight belongs to.	Foreign Key
Fare	INT	Fare Id according to the route	Foreign Key
Flight Time	DATETIME	Total Flight Time	NOT NULL
Source	Varchar(32)	Source from where the flight starts.	NOT NULL
Destination	Varchar(32)	Final Destination of the flight.	NOT NULL
Departure Time	DATETIME	Departure Time of the Flight.	NOT NULL

Reservations Table :

Field	Data Type	Description	Constraint
Reservation ID	INT	Unique Row id.	Primary Key
Booking Date	DATETIME	Date of booking.	NOT NULL
Passenger	INT	Passenger Id from passenger Table.	Foreign Key
Travel Fare	INT	Fare id from fares table.	Foreign Key
Discount	INT	Coupon Code from discount table.	Foreign Key
Flight	INT	Flight Id from Flights Table.	Foreign Key
Departure Date	DATETIME	Date of Departure	NOT NULL