

Airlines Management System

Airlines Management System Manages the flights, flights schedules, pilots, pilots schedules.

NOTE: Developer should assume adequate data whenever necessary.

1] App Name: Airlines Management System

Add a flight company logo

2] Object: Flight

Create new flight with flight ID, flight name like Go-102, and Flight Company

Field	Description
Flight ID	Auto Generated
Flight Name	Example : Go-102
Flight Company	Picklist (Indigo/ Air India/ Go Air/ Kingfisher)

Requirement:

A] Show all schedules of this flight in its related list

3] Object: Flight Schedule

This object is responsible for flight schedule,

Fields	Description
Select Flight	Select flight from Flight object. Master details relationships
Source Name	Select city (Picklist)
Destination Name	Select city (Picklist)
Departure Date Time	Select departure date and time
Arrival Date Time	Select arrival date and time
Duration	Formula field to calculate duration of the journal. Format: 02 Hours 10 Minutes
Status	Picklist (Open/In Progress/Closed/Canceled)
Name of First Pilot	Take from child object Pilots
Name of Second Pilot	Take from child object Pilots

Requirements:

- A] Source Name and Destination name must not be same.
- B] Departure Date Time and Arrival Date Time must not be same.
- C] Departure Date time must not be after arrival date time
- D] When a new flight schedule record is created, default status with be OPEN.
- E] When flight is ready to depart, status should be IN PROGRESS.
- F] When flight arrives, then status should CLOSED
- G] Send an email to user/system admin whenever a new flight is scheduled, flight departed and arrived.
- H] Send an email to system admin and to pilots if flight schedule canceled.

4] Pilots

Fields	Description
First Name	First Name of the pilot (Mandatory)
Last Name	Last Name of the pilot
DOB	DOB of pilot
Age	Based on DOB
Contact Number	Mobile number of Pilot
Email Address	Mandatory Email Address
Experience	Picklist (Less than 1 Year / 2-5 Years / more than 05 Years)
Level	Junior if Less than 1 Year ; Senior if 2-5 Years ; Super Senior if more than 05 Years
Photo	Data Types: Rich Text Area

Requirement:

- A] First Name and Last Name must not be same
- B] Age must be greater or equals to 18

5] Pilot Schedule

Fields	Description
Select Flight Schedule	Master Relationship with Flight Schedule object
Select Pilot 1	Lookup Relationship with Pilot object
Select Pilot 2	Lookup Relationship with Pilot object

Requirements:

- A] Send an email to Pilot that he has been scheduled for a flight and flight name, departure city, arrival city, departure and arrival date time.

6] Reports and Dashboard,

- A] Create a dashboard which shows scheduled flight on today's.
- B] Create a dashboard which shows scheduled flight on month-wise.
- C] Create a Pi chart with shows total closed and Canceled flight.
- D] Create a report to show flights and its all scheduled till date.
- E] Create a report to show flights and its all scheduled in current month date.
- F] Create a report to show flights and its all scheduled in last 03 months.

7] USERS

- A] Create users Rajesh Deshpande, Anna Hajare, Neha Kakkad, Anu Malik, Katappa and Babubali
- B] System Admin is CEO
- C] Anna Hajare is Manager
- D] Rajesh Deshpande, Neha Kakkad and Anu Malik are Flight Operators
- E] All the operator reports to Anna Hajare and Anna Hajare reports to CEO
- F] All the operators and create read and edit the data, BUT only Rajesh Deshpande can delete any record.
- G] Operators can view the their owned records only, and not of others.
- H] Create a public folder Mumbai and Pune. Add Katappa to Mumbai public folder and Bahubali to Pune folder
- I] When a flight is arriving to Mumbai, then share this flight record with Katappa.
- J] When a flight is arriving to Pune, then share this flight record with Bahubali

* Apply data securities as per need.