Airlines Management System

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 journey. Eg. Format: 02 Hours: 15 min 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 be different.
    b. Departure Date Time and Arrival Date Time must be different.
    c. Departure Date time must not be after arrival date time.
    d. When a new flight schedule record is created, default status will be OPEN.
    e. When the flight is ready to depart, status should be set to IN PROGRESS.
    f. When flight arrives, then status should be set to CLOSED.
    g. Send an email to the user/system admin whenever a new flight is scheduled, flight departed and arrived.
    h. Send an email to system admin and pilots if the flight schedule is canceled.

4. Object: 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 / Between 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
Select Pilot	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 today's scheduled flights.
    B] Create a dashboard which shows monthly scheduled flights.
    C] Create a Pie chart which shows total closed and canceled flights.
    D] Create a report to show flights and its till date schedule .
    E] Create a report to show flights and its schedule for the current month.
    F] Create a report to show flights and its schedule for the last three months.

7. USERS

A] Create six users with the names Ankita Dhote, Rahul Tiwari, Param Shende, Priyanka Patil, Rohit and Akshay

B] Make System Admin as CEO

C] Make Rahul Tiwari as Manager

D] Add Rajesh Deshpande, Param Shende and Priyanka Patil as Flight Operators.

E] All the operator should report to Rahul Tiwari and Rahul Tiwari report to CEO

F] All the operators can create, read and edit the data, But only Ankita Dhote can delete any record.

G] Operators can view their owned records only, and not of others.

H] Create a public folder Mumbai and Pune. Add Rohit to Mumbai public folder and Akshay to Pune folder

I] when a flight is arriving to Mumbai, then share this flight record with Rohit.

J] When a flight is arriving to Pune, then share this flight record with Akshay

Pay attention to the points given below:

* Apply data securities as required.

* Create all relationships as lookups.

* Developers need to assume the data as per requirement..