AIRLINES MANAGEMENT SYSTEM

Team ID : LTVIP2024TMID11598

Team Size : 4

Team member : K N CHANDRA SEKHAR

Airlines Management System

Hardware Required:

laptops

System Required:

Windows 8 machine Install with two web browser Bandwidth of 30mbps

This project aims to enhance the efficiency and effectiveness of managing flights, reservations, and passenger information. The system enables airlines to manage their fleet, schedule flights, allocate seats, and handle bookings seamlessly. It provides functionalities for ticket reservations, seat availability checks, passenger check-ins, and baggage handling. Additionally, the system facilitates communication between airlines, airports, and passengers through automated notifications and alerts. With its user-friendly interface and robust database management, the Airlines Management System optimizes workflow, improves customer satisfaction, and ensures smooth operations for the entire airline industry.

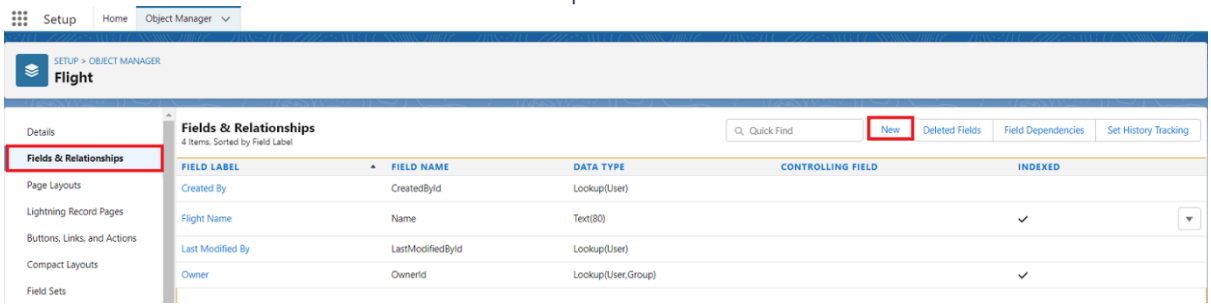
FIELDS

Activity 1: Creating Field In Flight Object

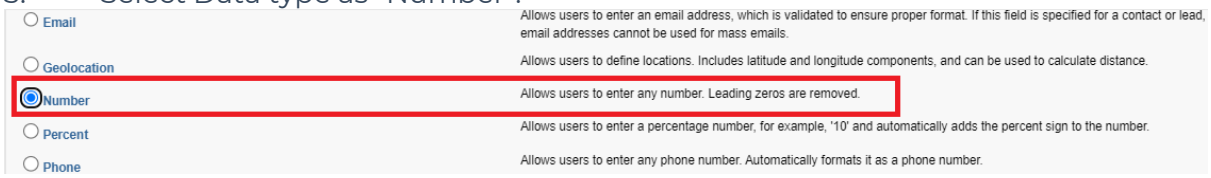
To create fields in an object:

1. Go to setup --> click on Object Manager --> type object name(Flight) in quick find bar--> click on the object.

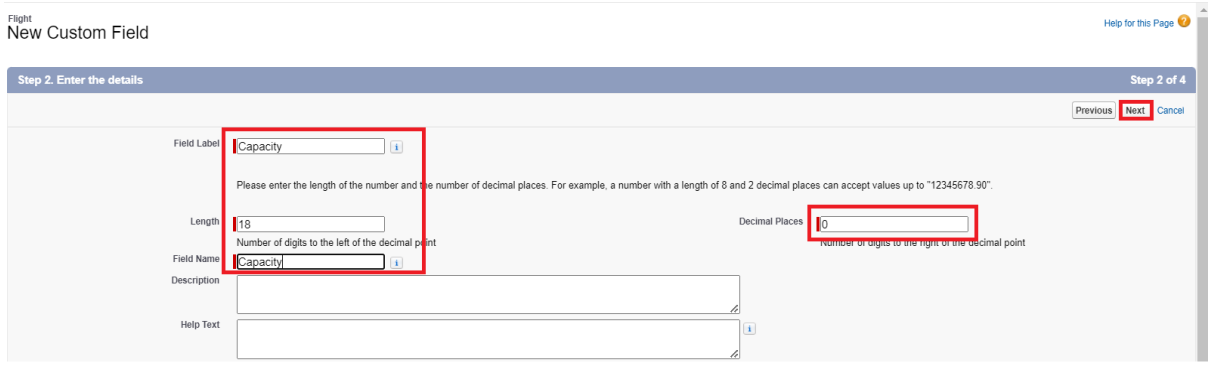
2. Now click on “Fields & Relationships” --> New



3. Select Data type as “Number”.



4. Click on Next



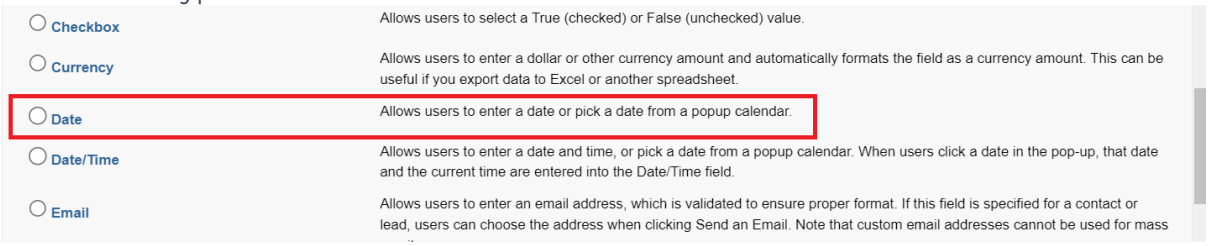
5. Fill the above as following:
   - Field Label: Capacity
   - Length : 18
   - Field Name : gets auto generated
   - Click on Next ? Next --> Save and new.

Activity 3: Delete A Record(Passenger)

1. Click on App Launcher on the left side of the screen.
2. Search AirLine Management System & click on it.
3. Click on the Passenger Tab.
4. Click on Arrow at right hand side on that Particular record.
5. Click delete.

Activity 2: Creating Departure Date On Booking Object

1. Go to setup ? click on Object Manager ? type object name(Booking) in quick find bar? click on the object.
2. Now click on “Fields & Relationships” ? New.
3. Select Data type as “Date” and click Next.



4. Click on Next.
5. Fill the above as following:
    a. Field Label:Departure Date.
    b. Field Name : gets auto generated.
    c. Click on Next --> Next --> Save and new.

Activity 3: Creating Picklist Field On Flight Object.

1. Go to setup --> click on Object Manager --> type object name(Flight) in quick find bar--> click on the object.
2. Now click on “Fields & Relationships” -->New.
3. Select Data type as “Picklist” and click Next.
4. Enter Field Label as “Departs From”, under values select “Enter values, with each value separated by a new line" and enter values as shown below:

```
Delhi
Mumbai
Bengaluru
Chennai
Kolkata
```

5. Click Next--> Next --> Next --> Save & New.

Activity 4: Creating Lookup Relationship Between Flight And Booking

Creating Lookup Relationship between Flight & Booking Object
To Create a lookup relationship

1. Go to the setup page --> click on object manager -->type object name(Booking) in the quick find bar--> click on the object.
2. Click on fields & relationship --> click on New.
3. Select “lookup relationship” as data type and click Next.
4. For field label related to: select “Flight” object and click Next.
5. Give Field Label as “Flight” and click Next.
6. Next --> Next --> Save.

Activity 5: Creating Remaining Fields

Now create the remaining fields using the data types mentioned in the table.

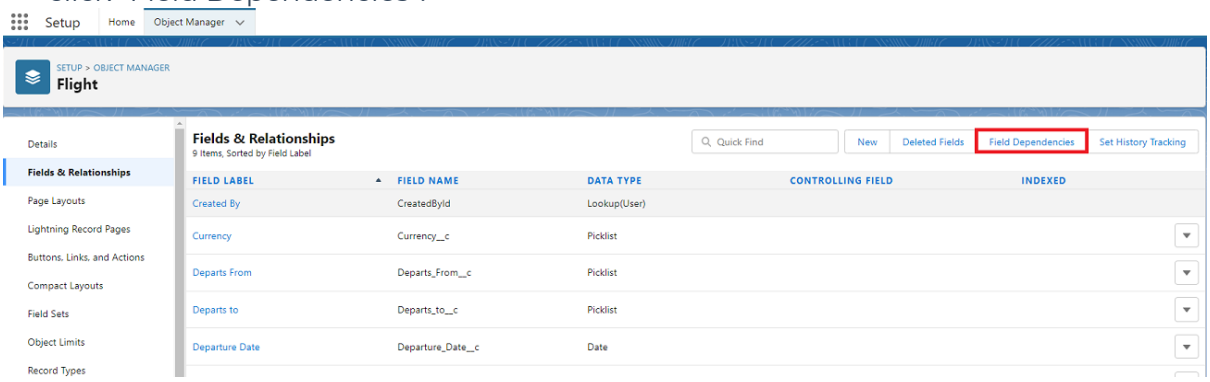
Sl No	Object	Field	Datatype
1	Passenger	1. Name 2. Phone 3. Passport Number 4. Passport Issue Date 5. Passport Expiry Date 6. Date of Birth 7. Nationality	Text Phone Number Date Date Date Picklist : Values as below India China USA Canada Mexico Australia South Korea North Korea Germany
2	Booking	1. Passenger Name 2. Departs From 3. Departs To 4. Travellers 5. Class	Lookup relationship with Passenger Picklist : Values are same as Activity 3 Picklist : Values are same as Activity 3 Picklist : Values as below Adult Child Infant Picklist : Values as below Economy Business First Class

3	Flight	1. Departs to 2. PNR Number 3. Departure Date 4. Departure Time 5. Arrival Time	Picklist : Values are same as Activity 3 Number Date Time Time
4	Crew	1. Flight 2. Crew Member 3. Phone 4. Email 5. Qualification 6. Role	Lookup relationship with Flight Text(20) Phone Email Text Picklist: Values as below Pilot Co-Pilot Flight Attendants Air Hosts Air Hostesses Air Stewards Air Stewardesses On-Board Chefs

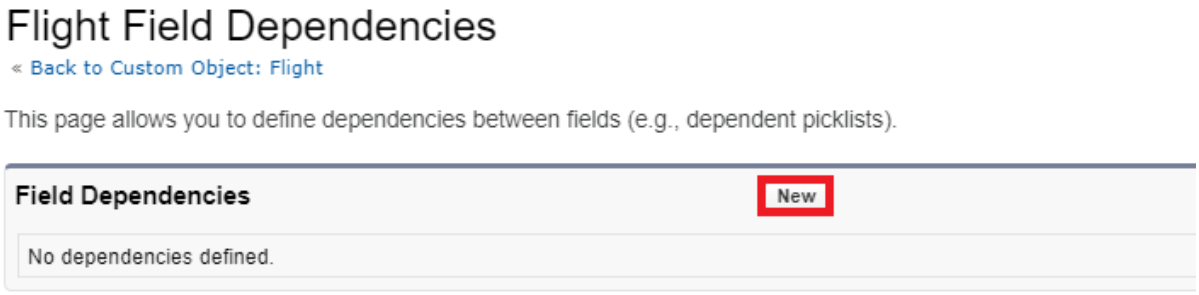
Activity 6: Creating Field Dependencies

To create a field dependency:

1. Go to object manager -->select the object (flight) --> click fields & relationships --> click “Field Dependencies”.

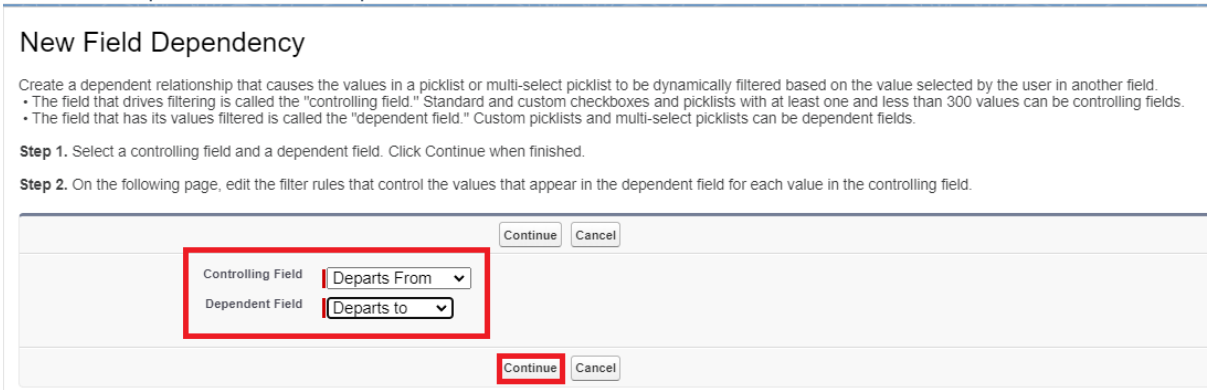


2. Click “New” under Field Dependencies.

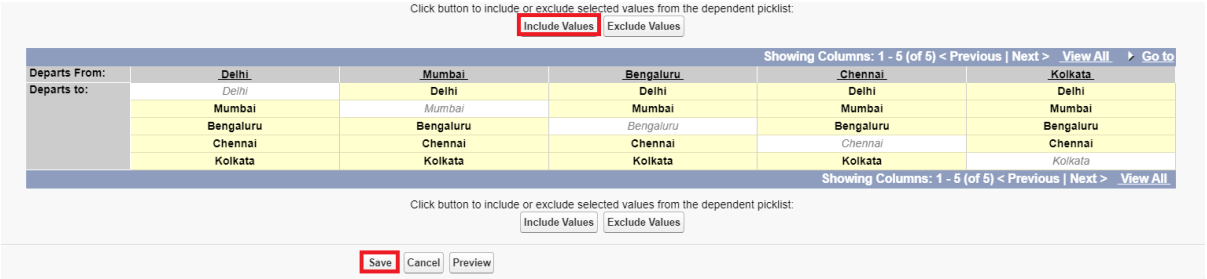


3. Select “Departs From” for Controlling Field.

4. Select “Departs to” for Dependent Field and click Continue.



5. While pressing CTRL button select the values as shown below and click on include values.



6. Click on Save.

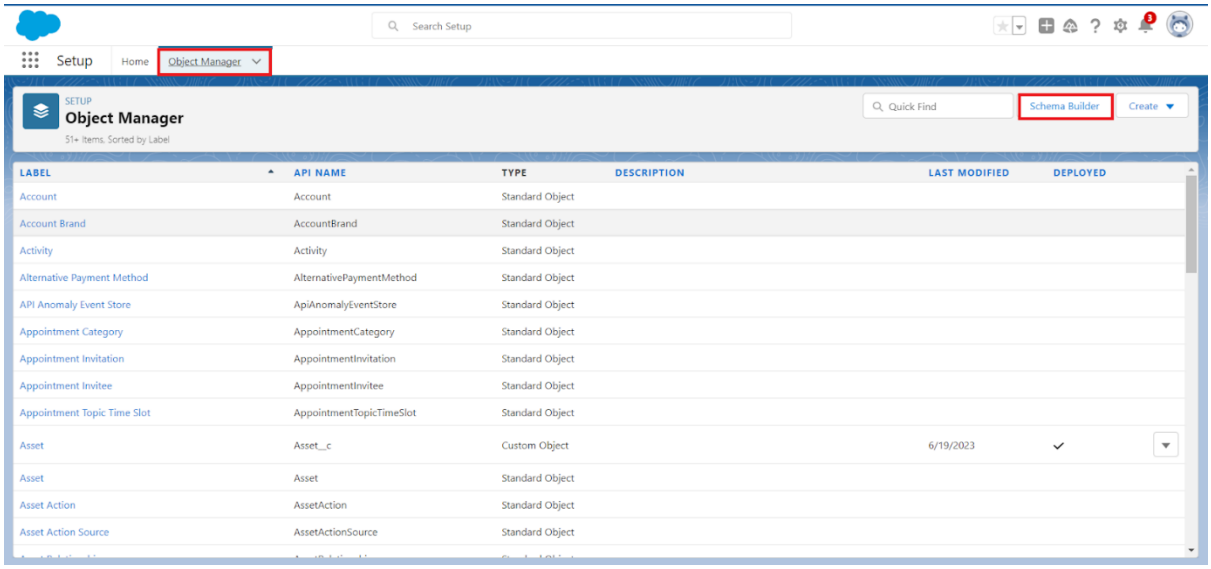
Activity 7

Create similar Field dependencies for booking object as we have done in activity 6.

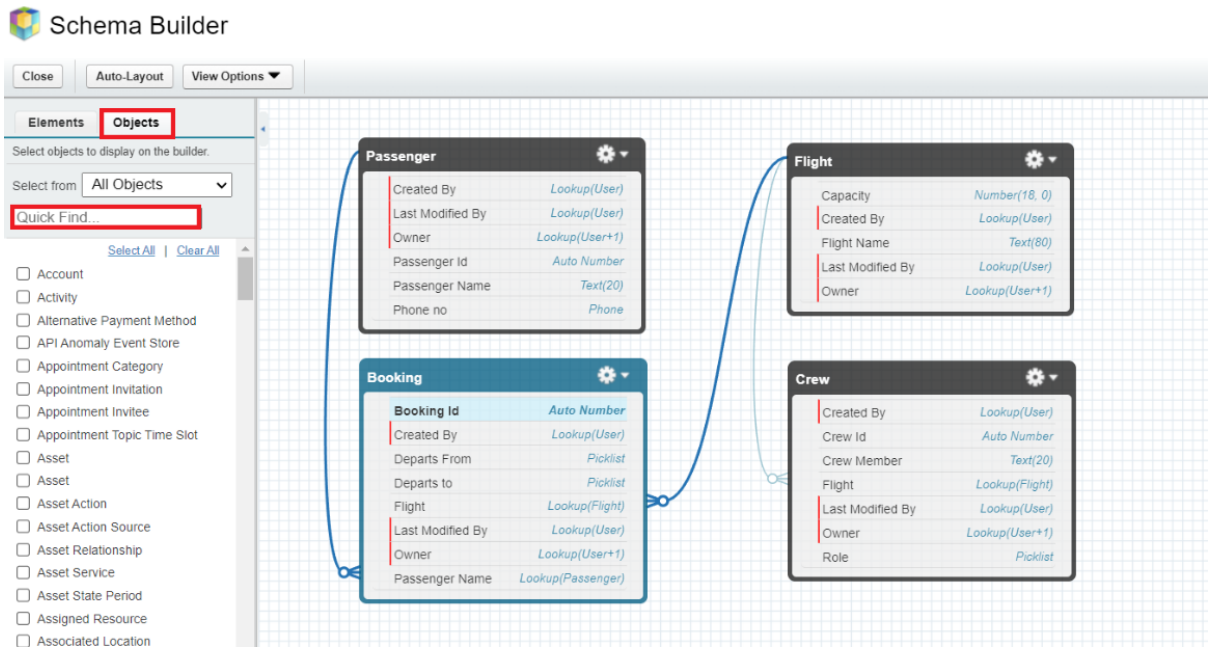
Activity 8: Schema Builder

Schema Builder is a powerful tool within Salesforce that allows you to visualise, explore, and design the relationships between objects in your Salesforce organisation. It provides a graphical representation of the data model, making it easier to understand the structure and connections between different objects.
Creating Schema Builder

1. Go to setup --> click on Object Manager --> Schema Builder.



2. Click on Clear All
3. Select objects--> Enter Objects which we have created in the above Milestone 2 (Passenger, Booking, Flight & Crew) in a quick box and select them.

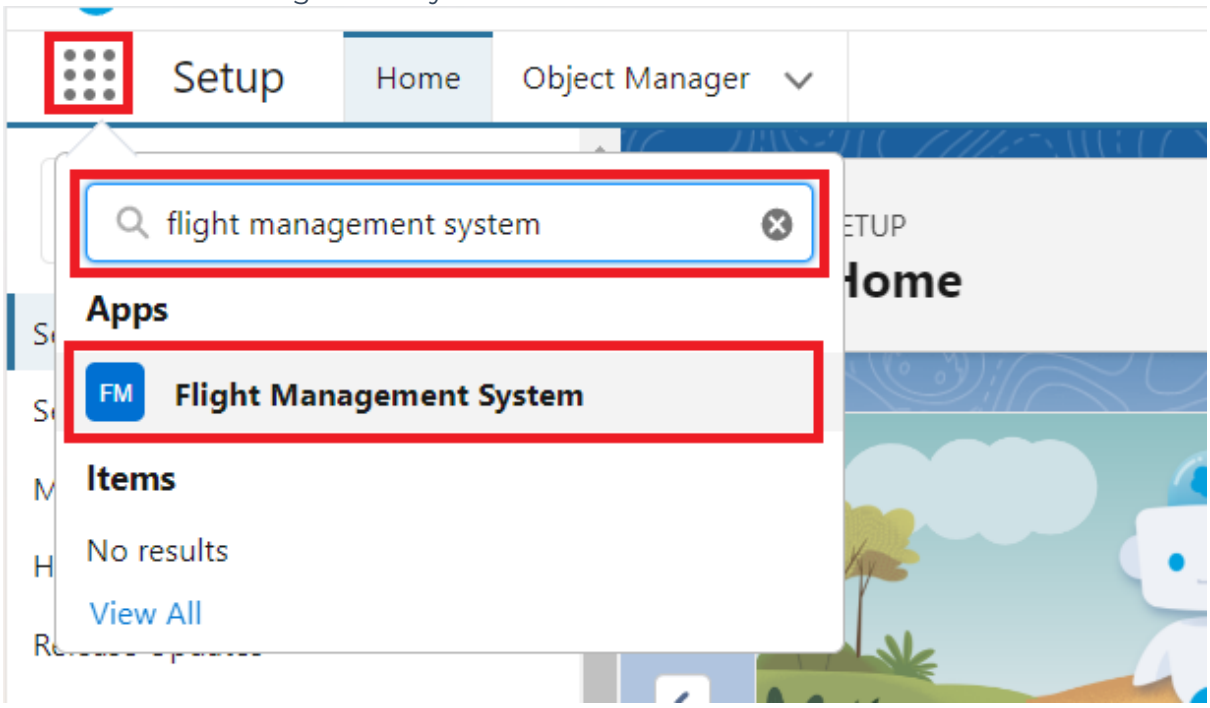


MILESTONE 6 - USER ADOPTION

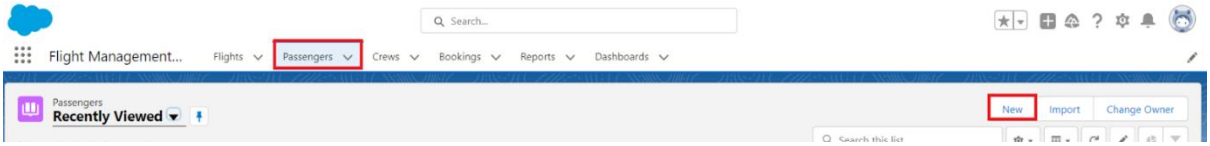
Activity 1: Create A Record (Passenger)

1. Click on App Launcher on the left side of the screen.

2. Search AirLine Management System & click on it.



3. Click on the Passenger tab.
4. Click New.



5. Fill the Details and click on Save.

Activity 2: View A Record(Passenger)

1. Click on App Launcher on the left side of the screen.
2. Search AirLine Management System & click on it.
3. Click on the Passenger Tab.
4. Click on any record name. you can see the details of the Passenger.

Activity 3: Delete A Record(Passenger)

1. Click on App Launcher on the left side of the screen.
2. Search AirLine Management System & click on it.
3. Click on the Passenger Tab.
4. Click on Arrow at right hand side on that Particular record.
5. Click delete.

Activity 4:

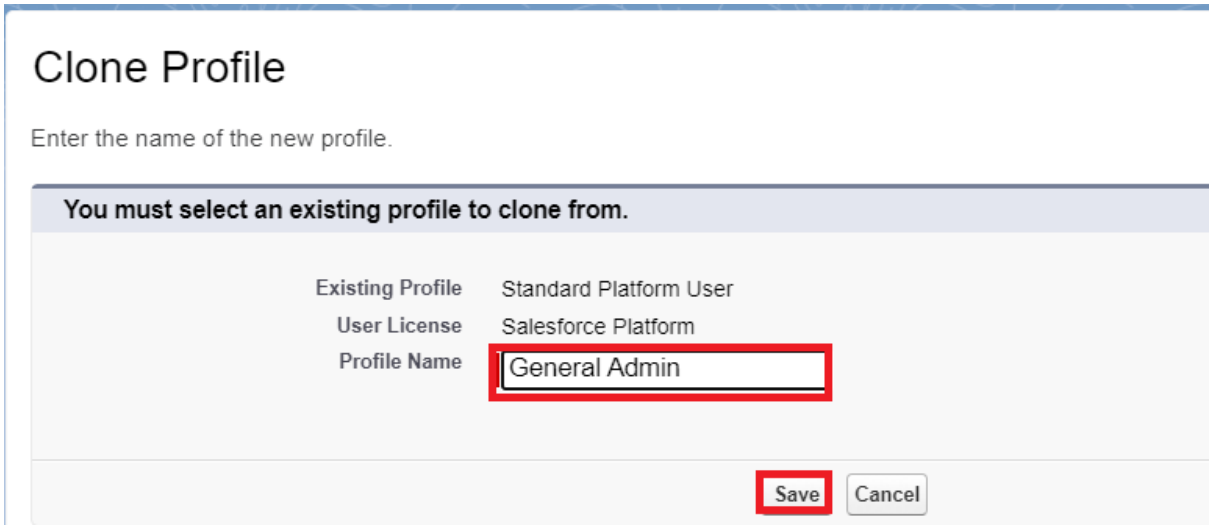
Create at least 10 records for each of the objects: Passenger, Booking, Flight, Crew.

MILESTONE 7 : PROFILES

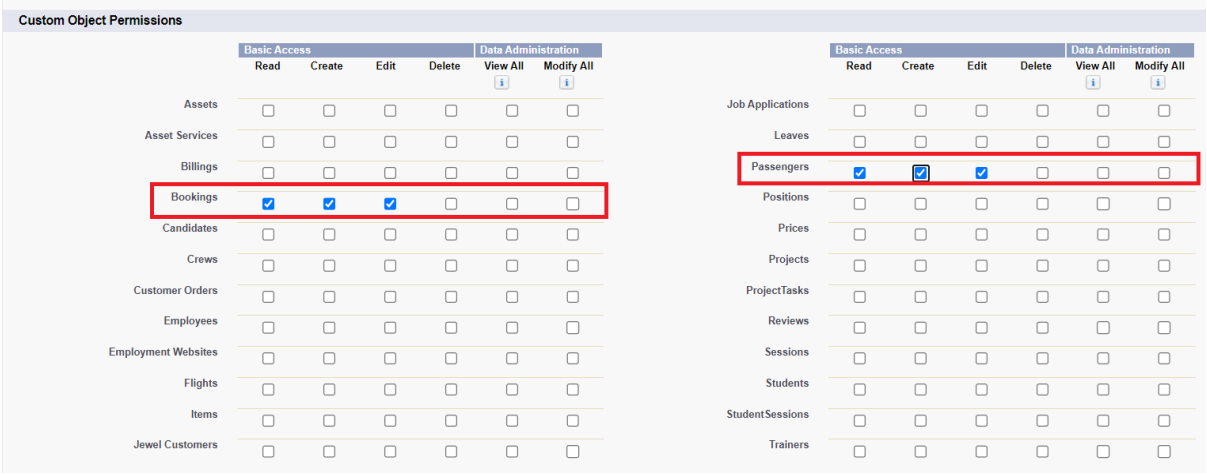
Activity 1: General Admin Profile

To create a new profile:

1. Go to setup --> type profiles in quick find box --> click on profiles --> clone the desired profile (Standard Platform User)-->enter profile name (General Admin)--> Save.



2. While still on the profile page, then click Edit.
3. Scroll down to Custom Object Permissions and Give access permissions for read, create and edit on Passenger, and booking objects.



4. Scroll down and Click on Save.

Activity 2: Management Admin Profile

1. Go to setup --> type profiles in quick find box --> click on profiles --> clone the desired profile (Standard Platform User) --> enter profile name (Management Admin) -->Save.
2. While still on the profile page, then click Edit.
3. Scroll down to Custom Object Permissions and Give access permissions for read, edit and create Flight and Crew.
4. Scroll down and Click on Save.

Activity 3: Create Senior Admin & Crew Member Profiles

Create Crew Member Profile for Crew Members and give them access permission to read only as we have done in the previous activity.

Create Senior Admin Profiles for Senior Admin in the Organization and give him access permission to read, create, edit and delete for all 4 objects.
Note: for Senior Admin clone System Administrator profile.