

Fields

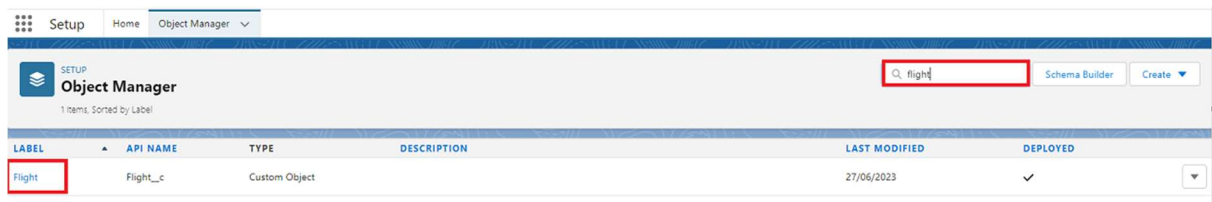
Use Case:

Now it's time for you to think out of the box for your organization. You have successfully created the database objects for the organization but now all eyes turn on you as you have to define what sort of information the objects store which you have created. As a life saver of your organization you come up with the idea of creating fields to store different types of data.

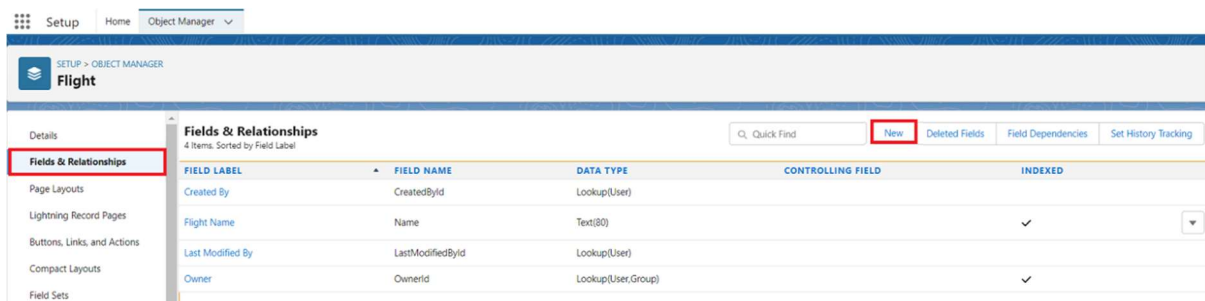
Activity 1: Creating Field in Flight Object

To create fields in an object:

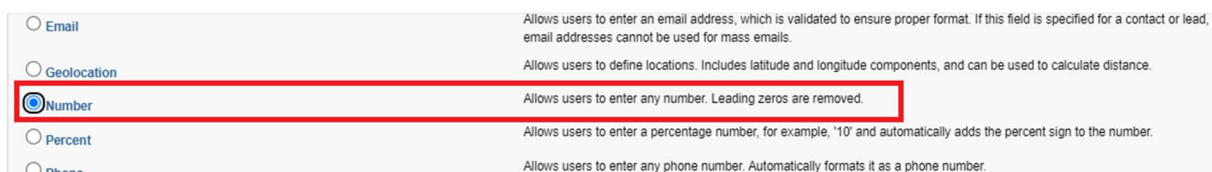
1. Go to setup --> click on Object Manager --> type object name(Flight) in quick find bar--> click on the object.



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



3. Select Data type as “Number”.



4. Click on Next

Flight
New Custom Field

Step 2. Enter the details

Step 2 of 4

Previous Next Cancel

Field Label: Capacity

Please enter the length of the number and the number of decimal places. For example, a number with a length of 8 and 2 decimal places can accept values up to "12345678.90".

Length: 18

Decimal Places: 0

Field Name: Capacity

Description:

Help Text:

5. Fill the above as following:

- Field Label: Capacity
- Length : 18
- Field Name : gets auto generated
- Click on Next ? Next --> Save and new.

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.

☐ Checkbox

Allows users to select a True (checked) or False (unchecked) value.

☐ Currency

Allows users to enter a dollar or other currency amount and automatically formats the field as a currency amount. This can be useful if you export data to Excel or another spreadsheet.

☒ Date

Allows users to enter a date or pick a date from a popup calendar.

☐ Date/Time

Allows users to enter a date and time, or pick a date from a popup calendar. When users click a date in the pop-up, that date and the current time are entered into the Date/Time field.

☐ Email

Allows users to enter an email address, which is validated to ensure proper format. If this field is specified for a contact or lead, users can choose the address when clicking Send an Email. Note that custom email addresses cannot be used for mass

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

Flight
New Custom Field

Help for this Page

Step 2 of 4

Step 2. Enter the details

Field Label: Departs From

Values:

☐ Use global picklist value set

☒ Enter values, with each value separated by a new line

Delhi - Indira Gandhi International Airport (DEL)
Mumbai - Chhatrapati Shivaji Maharaj International Airport (BOM)
Bengaluru - Kempegowda International Airport (BLR)
Chennai - Chennai International Airport (MAA)
Kolkata - Netaji Subhash Chandra Bose International Airport (CCU)

☐ Display values alphabetically, not in the order entered

Previous Next Cancel

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

Flight
New Custom Field

Step 2. Enter the details

Field Label:

Values:

☐ Use global picklist value set

☒ Enter values, with each value separated by a new line

Delhi - Indira Gandhi International Airport (DEL)
Mumbai - Chhatrapati Shivaji Maharaj International Airport (BOM)
Bengaluru - Kempegowda International Airport (BLR)
Chennai - Chennai International Airport (MAA)
Kolkata - Netaji Subhash Chandra Bose International Airport (CCU)

☐ Display values alphabetically, not in the order entered

Previous Next Cancel

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 <div> India China USA Canada Mexico Australia South Korea North Korea Germany </div>
2	Booking	1. Passenger Name 2. Departs From 3. Departs To 4. Travellers	Lookup relationship with Passenger Picklist : Values are same as Activity 3 Picklist : Values are same as Activity 3 Picklist : Values as below

		5. Class	<div>Adult</div> <div>Child</div> <div>Infant</div> <p>Picklist : Values as below</p> <div>Economy</div> <div>Business</div> <div>First Class</div>
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 <div>Pilot</div> <div>Co-Pilot</div> <div>Flight Attendants</div> <div>Air Hosts</div>

			<div> Air Hostesses Air Stewards Air Stewardesses On-Board Chefs </div>
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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”.

The screenshot shows the Salesforce Setup interface. The breadcrumb trail is 'Setup > OBJECT MANAGER'. The 'Flight' object is selected. The left sidebar shows 'Fields & Relationships' as the active section. The main content area displays a table of fields for the 'Flight' object, sorted by Field Label. The 'Field Dependencies' tab is highlighted in red. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Currency	Currency__c	Picklist		
Departs From	Departs_From__c	Picklist		
Departs to	Departs_to__c	Picklist		
Departure Date	Departure_Date__c	Date		

2. Click “New” under Field Dependencies.

Flight Field Dependencies

[Back to Custom Object: Flight](#)

This page allows you to define dependencies between fields (e.g., dependent picklists).

The screenshot shows the 'Flight Field Dependencies' page. The title is 'Flight Field Dependencies'. There is a 'New' button highlighted in red. Below the button, it says 'No dependencies defined.'

3. Select “Departs From” for Controlling Field.

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

New Field Dependency

Create a dependent relationship that causes the values in a picklist or multi-select picklist to be dynamically filtered based on the value selected by the user in another field.

- The field that drives filtering is called the “controlling field.” Standard and custom checkboxes and picklists with at least one and less than 300 values can be controlling fields.
- The field that has its values filtered is called the “dependent field.” Custom picklists and multi-select picklists can be dependent fields.

Step 1. Select a controlling field and a dependent field. Click Continue when finished.

Step 2. On the following page, edit the filter rules that control the values that appear in the dependent field for each value in the controlling field.

Continue Cancel

Controlling Field

Dependent Field

Continue Cancel

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

Click button to include or exclude selected values from the dependent picklist:

Departs From:	Delhi	Mumbai	Bengaluru	Chennai	Kolkata
Departs to:	Delhi	Delhi	Delhi	Delhi	Delhi
	Mumbai	Mumbai	Mumbai	Mumbai	Mumbai
	Bengaluru	Bengaluru	Bengaluru	Bengaluru	Bengaluru
	Chennai	Chennai	Chennai	Chennai	Chennai
	Kolkata	Kolkata	Kolkata	Kolkata	Kolkata

Showing Columns: 1 - 5 (of 5) < Previous | Next > View All Go to

Click button to include or exclude selected values from the dependent picklist:

6. Click on Save.

Activity 7

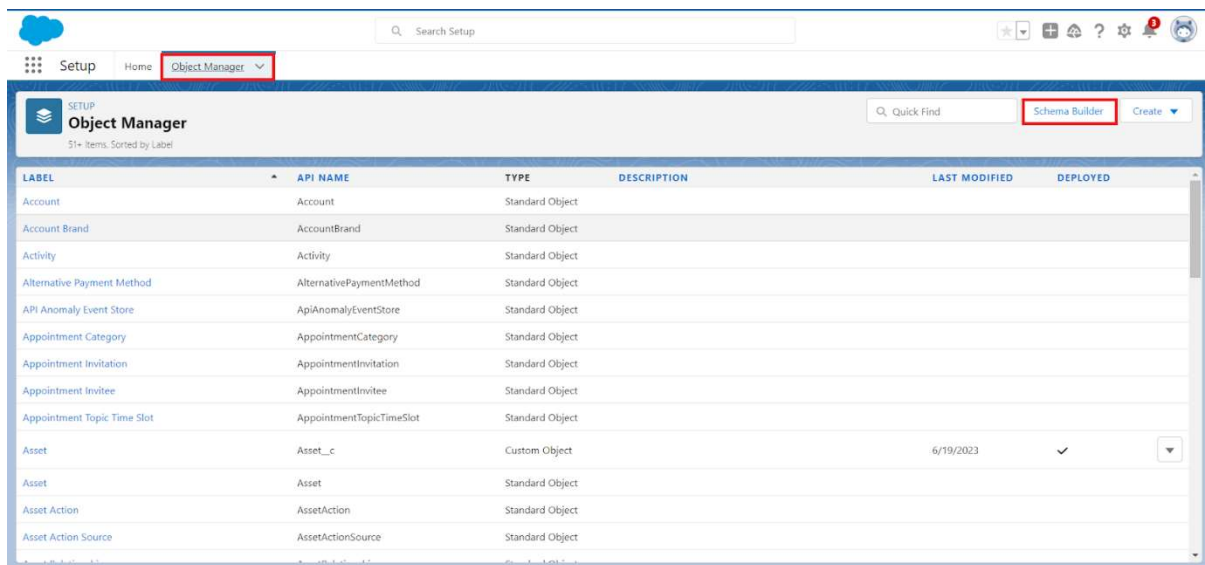
Create similar Field dependencies for booking object as we have done in activity 6.

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.

Schema Builder

