Phase 3: Data Modeling & Relationships
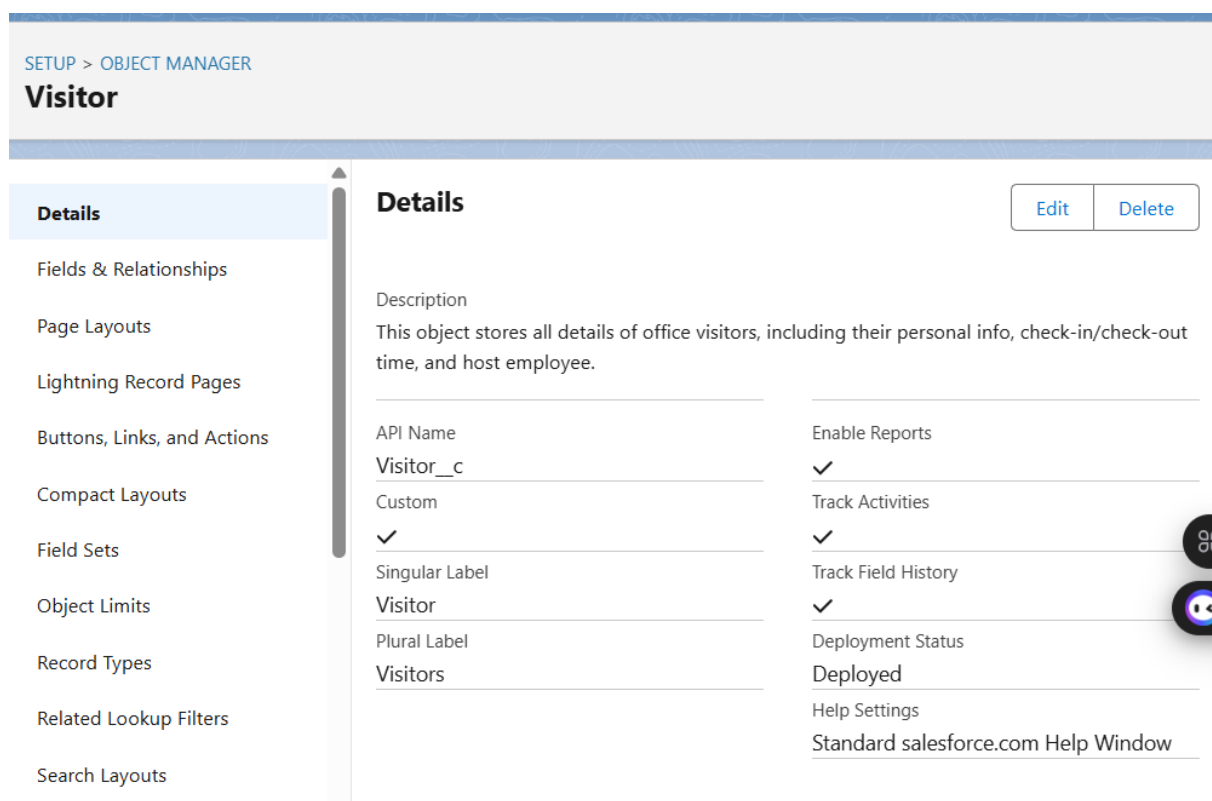
Project: Visitor Check-In System for Offices

1. **Standard & Custom Objects**

- Standard Objects used : User (Host Employee reference).
- Custom Objects created : Visitor (to store visitor information such as name, phone, email, check-in/out times, etc.), to track specific meetings associated with visitors.

2.Fields

- Visitor Name (Text)
- Visitor Email (Email)
- Visitor Phone Number (Phone)
- Visitor Check-In Time (Date/Time)
- Visitor Check-Out Time (Date/Time)

- Visitor Duration (Formula - Number; calculates visit length in hours)
- Purpose of Visit (Picklist)
- Gender (Picklist)
- Age (Date field to store DOB)
- ID Proof Number (Text)
- Host Employee (Lookup to User object)

Visitor

Details				
Fields & Relationships				

Fields & Relationships
15 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Age	Age__c	Date		
Created By	CreatedById	Lookup(User)		
Gender	Gender__c	Picklist		
Host Employee	Host_Employee__c	Lookup(User)		✓
ID Proof Number	ID_Proof_Number__c	Text(50)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Purpose of visit	Purpose_of_visit__c	Picklist		
Visitor Check-In Time	Visitor_Check_In_Time__c	Date/Time		

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules

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Fields & Relationships
15 Items, Sorted by Field Label

Quick Find | New | Deleted Fields

Owner	OwnerId	Lookup(User,Group)
Purpose of visit	Purpose_of_visit__c	Picklist
Visitor Check-In Time	Visitor_Check_In_Time__c	Date/Time
Visitor Check-Out Time	Visitor_Check_Out_Time__c	Date/Time
Visitor Duration	Visitor_Duration__c	Formula (Number)
Visitor Email	Visitor_Email__c	Email
Visitor Name	Visitor_Name__c	Text(100)
Visitor Name	Name	Text(80)
Visitor Phone Number	Visitor_Phone_Number__c	Phone

3. Record Types

- Record types were noted but not yet deeply configured (can be extended later for differentiating visit types like (Interview, Guest, Contractor).

4. Page Layouts

- Edited Visitor page layout to organize fields (Visitor Name, Email, Phone, Check-In, Check-Out, Purpose of Visit, Host Employee, etc.).

5. Compact Layouts

- Defined a "Visitor Compact Layout" to show key details in highlights panel:
- Visitor Name
- Visitor Phone Number
- Purpose of Visit
- Host Employee

SETUP > OBJECT MANAGER
Visitor

Details	**Compact Layouts** 4 Items, Sorted by Label			
Fields & Relationships				
Page Layouts	LABEL ▲	API NAME	PRIMARY	MODIFIED BY
Lightning Record Pages	Host Employee	Host_Employee		HARATHI ASWARTHAGARI
Buttons, Links, and Actions	Purpose of Visit	Purpose_of_Visit	✓	HARATHI ASWARTHAGARI
Compact Layouts	System Default	SYSTEM		
Field Sets	Visitor Name	Visitor_Name		HARATHI ASWARTHAGARI
Object Limits				
Record Types				
Related Lookup Filters				
Search Layouts				

6.Schema Builder

- Opened Schema Builder to visually confirm object relationships.
- Verified Visitor and Visitor Meeting object structures.
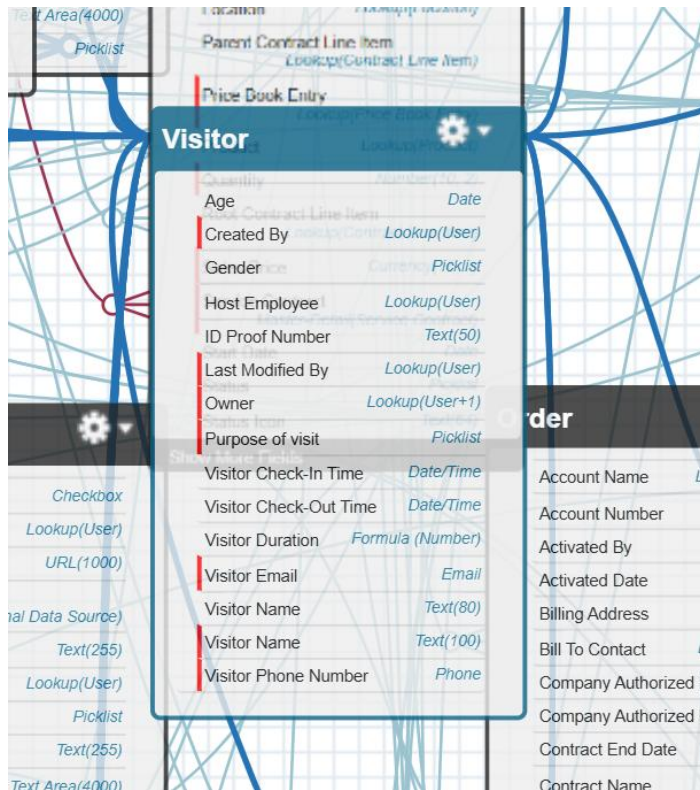
7.Relationships

- Lookup Relationship:Visitor → Host Employee (related to User).
  Master-Detail Relationship: Visitor Meeting → Visitor (to tightly
  bind meetings under a visitor).
- Hierarchical Relationship: Not applicable for Visitor object, since
  this is only available on the User object.
- Junction Object: Visitor Meeting acts as a junction object
  connecting Visitor and potentially User (Host Employee),
  supporting many-to-many scenarios (e.g., one visitor attending
  multiple meetings with different hosts)

8. External Objects

- Learned about external objects in Salesforce Connect.