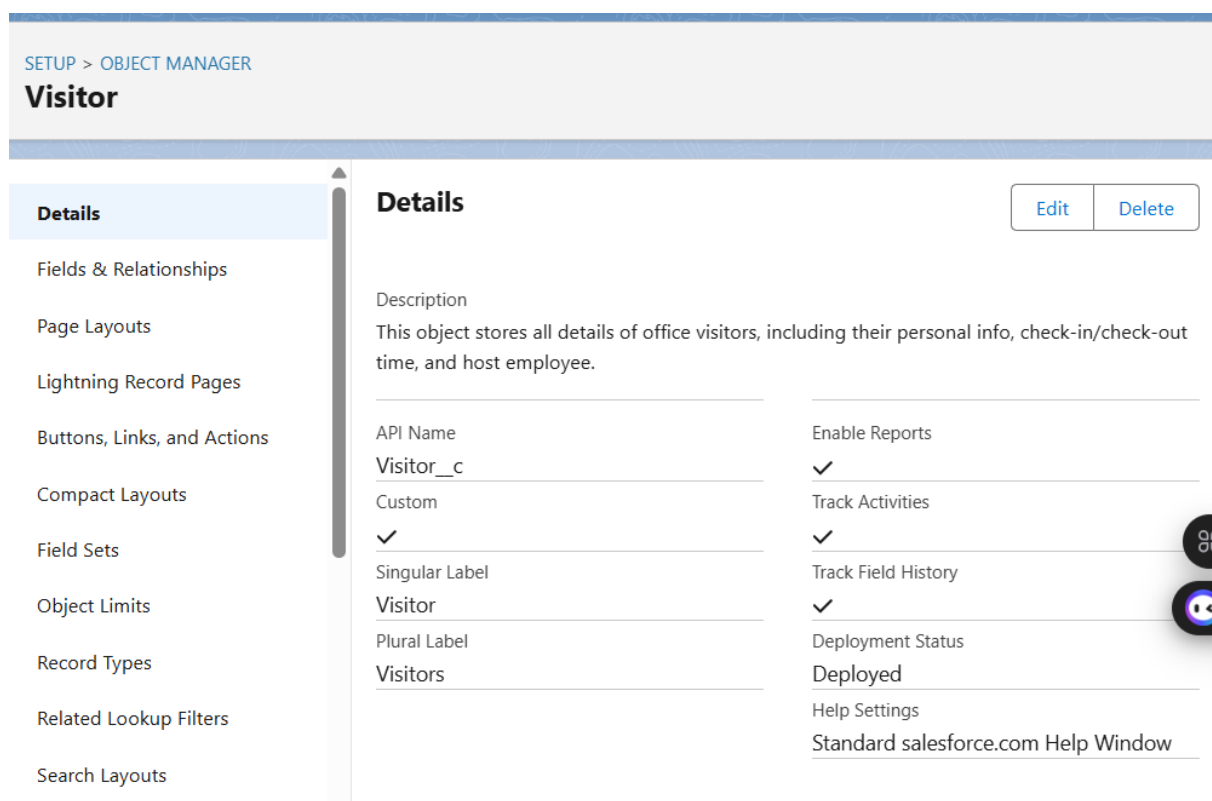


## Phase 3: Data Modeling & Relationships

### 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)

SETUP > OBJECT MANAGER

### Visitor

Details	<b>Fields &amp; Relationships</b> 15 Items, Sorted by Field Label					Q Quick Find	New	Deleted Fields	Field Dependencies	:
<b>Fields &amp; Relationships</b>	FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED					
Page Layouts	Age	Age__c	Date							
Lightning Record Pages	Created By	CreatedById	Lookup(User)							
Buttons, Links, and Actions	Gender	Gender__c	Picklist							
Compact Layouts	Host Employee	Host_Employee__c	Lookup(User)		✓					
Field Sets	ID Proof Number	ID_Proof_Number__c	Text(50)							
Object Limits	Last Modified By	LastModifiedById	Lookup(User)							
Record Types	Owner	OwnerId	Lookup(User,Group)		✓					
Related Lookup Filters	Purpose of visit	Purpose_of_visit__c	Picklist							
Search Layouts	Visitor Check-In Time	Visitor_Check_In_Time__c	Date/Time							
List View Button Layout										
Restriction Rules										

SETUP > OBJECT MANAGER

### Visitor

Details	<b>Fields &amp; Relationships</b> 15 Items, Sorted by Field Label			Q Quick Find	New	Deleted Fields
<b>Fields &amp; Relationships</b>	Owner	OwnerId	Lookup(User,Group)			
Page Layouts	Purpose of visit	Purpose_of_visit__c	Picklist			
Lightning Record Pages	Visitor Check-In Time	Visitor_Check_In_Time__c	Date/Time			
Buttons, Links, and Actions	Visitor Check-Out Time	Visitor_Check_Out_Time__c	Date/Time			
Compact Layouts	Visitor Duration	Visitor_Duration__c	Formula (Number)			
Field Sets	Visitor Email	Visitor_Email__c	Email			
Object Limits	Visitor Name	Visitor_Name__c	Text(100)			
Record Types	Visitor Name	Name	Text(80)			
Related Lookup Filters	Visitor Phone Number	Visitor_Phone_Number__c	Phone			
Search Layouts						
List View Button Layout						
Restriction Rules						

### 3. Record Types

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

SETUP > OBJECT MANAGER

## Visitor

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

**Record Types**

Related Lookup Filters

### Record Types

4 Items, Sorted by Record Type Label

RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
Delivery Visit		✓	HARATHI ASWARTHAGARI,
Employee Visit		✓	HARATHI ASWARTHAGARI,
Guest Visit		✓	HARATHI ASWARTHAGARI,
Interview Visit		✓	HARATHI ASWARTHAGARI,

### 4. Page Layouts

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

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

Save Quick Save Preview As... Cancel Undo Redo Layout Properties

Fields

Buttons

Quick Actions

Mobile & Lightning Actions

Expanded Lookups

Related Lists

Report Charts

Quick Find Field Name

Section	Gender	Owner	Visitor Duration	Visitor Phone Number
Blank Space	Host Employee	Purpose of visit	Visitor Email	
Age	ID Proof Number	Visitor Check-In ...	Visitor Name	
Created By	Last Modified By	Visitor Check-Out...	Visitor Name	

Information (Header visible on edit only)

★ Visitor Name

Sample Text

Owner Sample Text

★ Visitor Email

sarah.sample@company.com

★ Visitor Phone Number

1-415-555-1212

★ Visitor Check-In Time

9/18/2025, 11:30 AM

Visitor Check-Out Time

9/18/2025, 11:30 AM

Host Employee

Sample Text

★ Purpose of visit

Sample Text

ID Proof Number

Sample Text

Gender

Sample Text

Age

9/18/2025

Visitor Duration

923.36

System Information (Header visible on edit only)

## 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

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

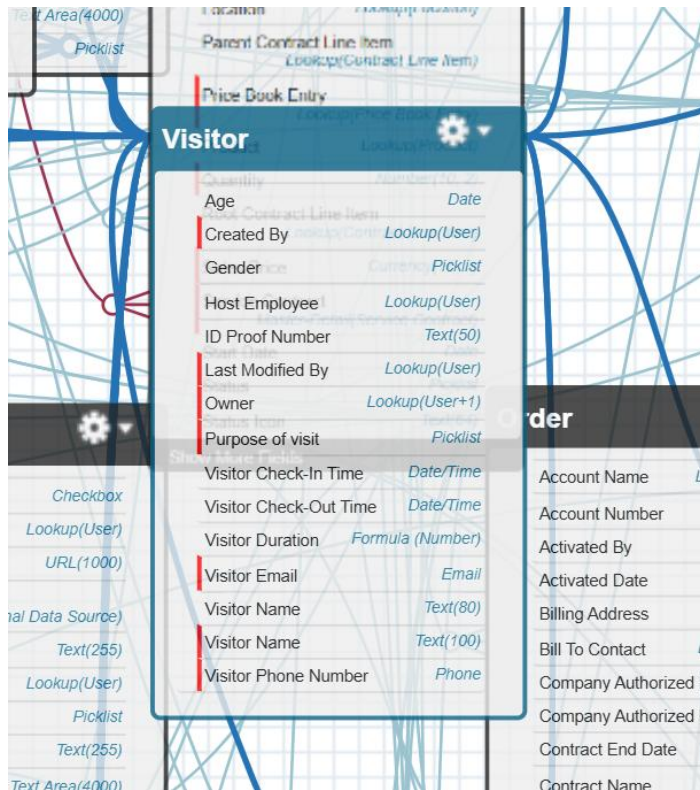
Compact Layouts

4 Items, Sorted by Label

LABEL	API NAME	PRIMARY	MODIFIED BY
Host Employee	Host_Employee		HARATHI ASWARTHAGARI
Purpose of Visit	Purpose_of_Visit	✓	HARATHI ASWARTHAGARI
System Default	SYSTEM		
Visitor Name	Visitor_Name		HARATHI ASWARTHAGARI

## 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.