# **Phase 3: Data Modeling & Relationships**

## 1. Standard & Custom Objects

### **Configuration:**

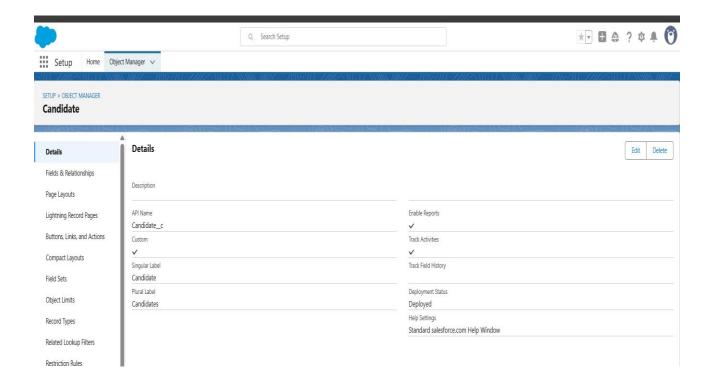
- Custom objects: Job Position, Candidate, Interview, Offer Letter.
- Standard objects: User (standard) for interviewer reference.

#### **Procedure:**

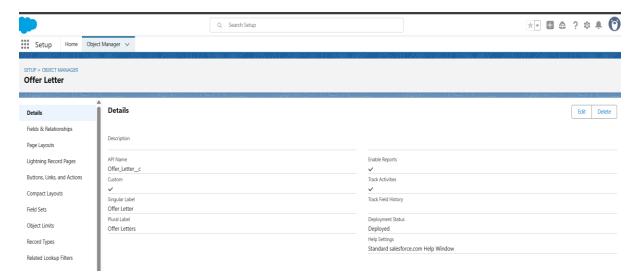
- Setup → Object Manager → New Custom Object → Add Label, Plural Label, API Name.
- Added custom objects with appropriate tab visibility.

#### **Screenshot:**

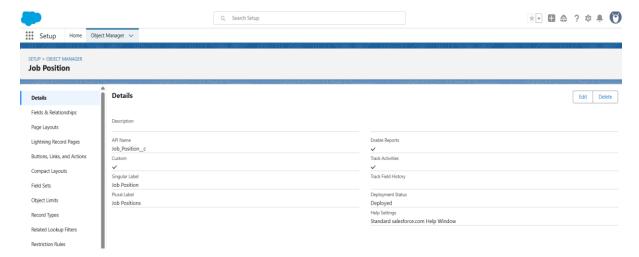
Candidate object's Details page (API name, features enabled)



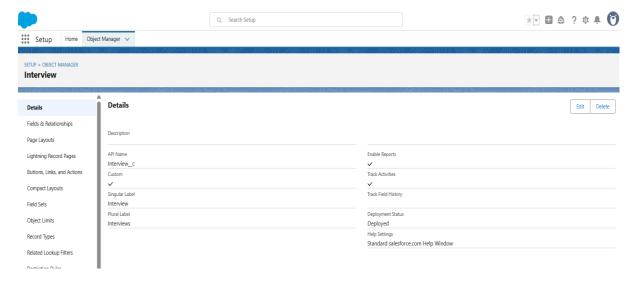
## Offer Letter Details page (API name, features enabled)



## Job Position Details page (API name, features enabled)



## Interview Details page (API name, features enabled)



## 2. Fields

## **Configuration:**

Added required custom fields to each object (Job Position, Candidate, Interview, Offer Letter)

### **Procedure:**

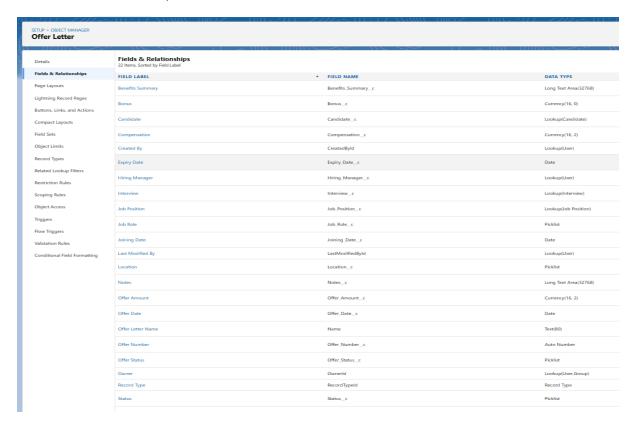
- Setup → Object Manager → [Select Object] → Fields & Relationships →
   New Field.
- Example: Created Min Salary (Currency) under Job Position.
- Repeated for Candidate, Interview, Offer Letter objects.

#### **Screenshot:**

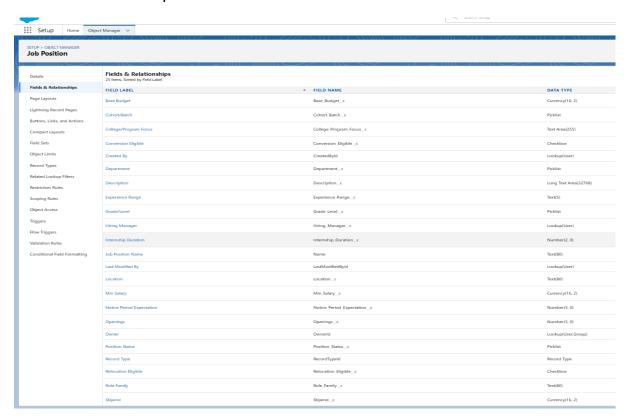
Fields & Relationships list of Candidate object

21 Items, So Fields & Relationships Fields As Relationships Field LaB Page Layouts Candidate I Lightning Record Pages Buttons, Links, and Actions Compact Layouts Field Sets Candidate I C	e Email	FIELD NAME Candidate Email_c	DATA TYPE  Email
Fields & Relationships  Page Layouts  Candidate I  Lightning Record Pages  Buttons, Links, and Actions  Compact Layouts  Candidate I  C	ABEL • I		
Lightning Record Pages  Buttons, Links, and Actions  Compact Layouts  Candidate /		Candidate_Emailc	Email
Buttons, Links, and Actions  Candidate I  Compact Layouts  Candidate I  Candidate I	e Name		E-11MH
Compact Layouts Candidate If Field Sets Candidate If Object Limits Created By Record Types Current CTC Related Lookup Filters Restriction Rules Degree Expected C Object Access Graduation		Name	Text(80)
Object Limits Created By Record Types Current CTC Related Lookup Filters Degree Restriction Rules Scoping Rules Expected C Object Access Graduation	e Phone	Candidate_Phonec	Phone
Record Types  Current CTG  Current CTG  Degree  Restriction Rules  Expected C  Dejree  Expected C  Graduation  Frincers	e Stage	Candidate_Stage_c	Picklist
Related Lookup Filters Degree Restriction Rules Expected Co Coping Rules Expected C Chipert Access Graduation	By	CreatedByld	Lookup(User)
Restriction Rules  Scoping Rules  Expected C  Object Access  Graduation	тс	Current_CTC_c	Currency(8, 2)
Object Access Graduation		Degree_c	Picklist
Triggers	стс	Expected_CTC_c	Currency(10, 2)
friggers	on Year	Graduation, Year_c	Number(18, 0)
Internship F	p Preference	Internship_Preference_c	Picklist
low Triggers  Job Position  Addidation Rules	ion .	Job_Pasition_c	Lookup(Jab Pasitian)
Conditional Field Formatting Last Modifie	ified By	LastModifiedByld	Lookup(User)
Notice Perio	eriod I	Notice_Period_c	Picklist
Owner		Ownerld	Lookup(User,Group)
Prior Emplo	player	Prior_Employerc	Text Area(255)
Record Type	ype	RecordTypeld	Record Type
Skills		Skilb_c	Long Text Area(32768)
Skills Summ	nmary	Skills, Summaryc	Text Area(255)
Status		Status_c	Picklist
University	у	Universityc	Text Area(255)
Years of Exp		Years, of Experience c	Number(2, 1)

Fields & Relationships list of Offer Letter



Fields & Relationships list of Job Position



# Fields & Relationships list of Interview

		Vi, Johnson			
Setup Home Object Manager V					
SETUP > OBJECT MANAGER  Interview					
Details	Fields & Relationships 31 Items, Sorted by Field Label				
Fields & Relationships	FIELD LABEL	FIELD NAME	DATA TYPE		
Page Layouts Lightning Record Pages Buttons, Links, and Actions	Assignment Result	Assignment Result_c	Picklist		
	Candidate	Candidate_c	Lookup(Candidate)		
Compact Layouts	Coding Score	Coding Score_c	Number(2, 0)		
Field Sets Object Limits	Communication	Communication_c	Picklist		
	Created By	CreatedByld	Lookup(User)		
Record Types	Culture Fit	Culture_Fit_c	Picklist		
Restriction Rules Scoping Rules Chiject Access Triggers Flow Triggers Validation Rules Conditional Field Formatting	Decision	Decision_c	Picklist		
	Hiring Manager	Hiring Manager_c	Lookup(User)		
	HR Notes:	HR_Notes_c	Long Text Area(32768)		
	HR Reviewer	HR Reviewer_c	Lookup(User)		
	Interview Date	Interview Date_c	Date		
	Interview Name	Name	Text(80)		
	Interviewer	Interviewer_c	Lookup(User)		
	Job Position	Job Position_c	Lookup(Job Position)		
	Last Modified By	LastModifiedByld	Lookup(User)		
	Leadership	Leadership_c	Picklist		
	Location	Location _c	Text(20)		
	Manager Comments	Manager_Comments_c	Long Text Area(32768)		
	Meeting Link	Meeting ,Link_c	URL(255)		
	Notes	Notes_c	Long Text Area(32768)		
	Owner	Ownerld	Lookup(User,Group)		
	Primary Stack	Primary_Stack_c	Picklist		
	Proposed Level	Proposed_Level_c	Text(80)		
	Record Type	Record Typeld	Record Type		
	Salary Expectation	Salary Expectation_c	Currency(16, 2)		
	Score	Score_c	Number(3, 0)		
	Stakeholder Fit	Stakeholder Fit_c	Picklist		
	Status	Status_c	Picklist		
	System Design Score	System Design Score_c	Number(2, 0)		
	Tech Comments	Tech_Commentsc	Long Text Area(32768)		
	Tech Interviewer	Tech_Interviewer_c	Lookup(User)		

#### 3. Record Types

## **Configuration:**

Created Record Types for Candidate (Experienced, Fresher)

Created Record Types for Offer Letter (Experienced Offer, Fresher Offer)

Created Record Types for Job Position (Full-time, Internship)

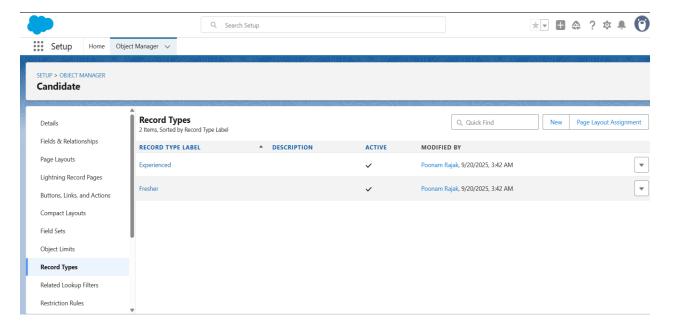
Created Record Types for Interview (HR, Managerial, Technical)

#### **Procedure:**

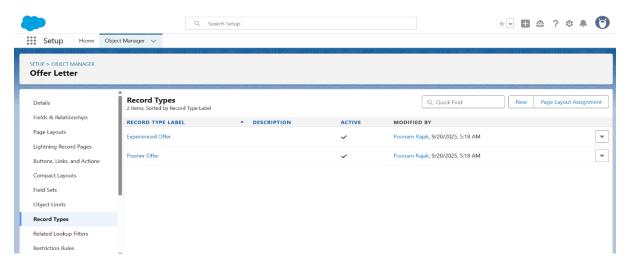
- Setup  $\rightarrow$  Object Manager  $\rightarrow$  [Object]  $\rightarrow$  Record Types  $\rightarrow$  New.
- Assigned record types to HR/Recruiter profiles.

#### **Screenshot:**

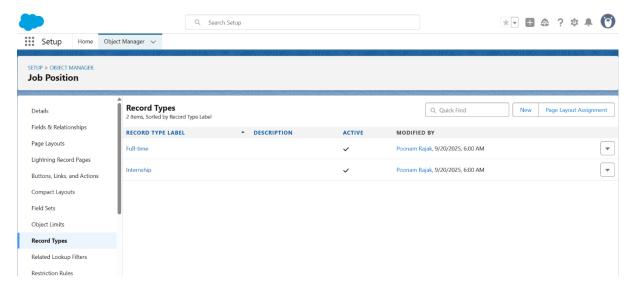
## **Record Types of Candidate**



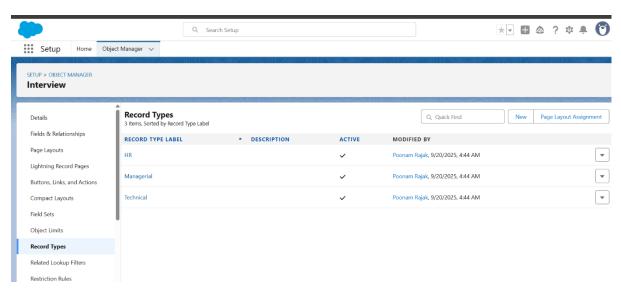
## **Record Types of Offer Letter**



## **Record Types of Job Position**



# Record Types of Interview



#### 4. Page Layouts

## **Configuration:**

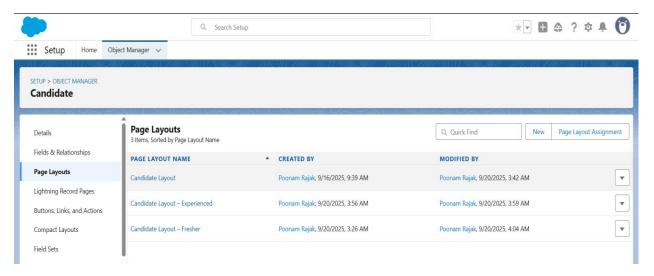
Designed layouts to display relevant fields and related lists.

#### **Procedure:**

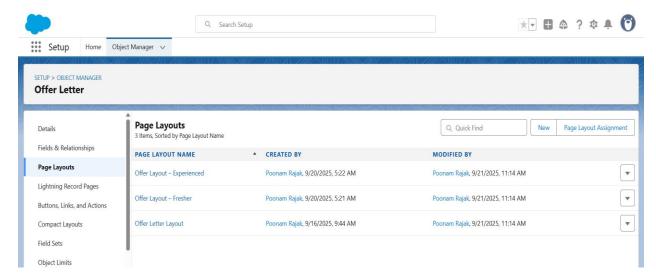
• Setup  $\rightarrow$  Object Manager  $\rightarrow$  [Object]  $\rightarrow$  Page Layouts  $\rightarrow$  New (or Edit).

#### **Screenshot:**

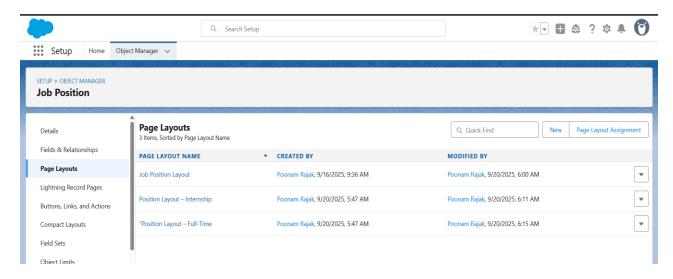
## Page layout of Candidate



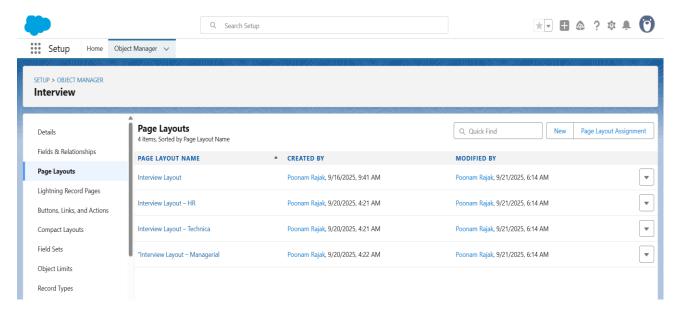
## Page layout of Offer Letter



## Page layout of Job Position



## Page layout of Interview



## 5. Compact Layouts

### **Configuration:**

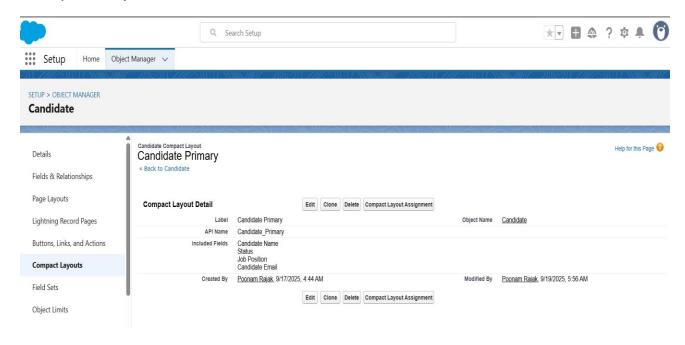
Defined compact layouts to show key fields in Highlights Panel.

#### **Procedure:**

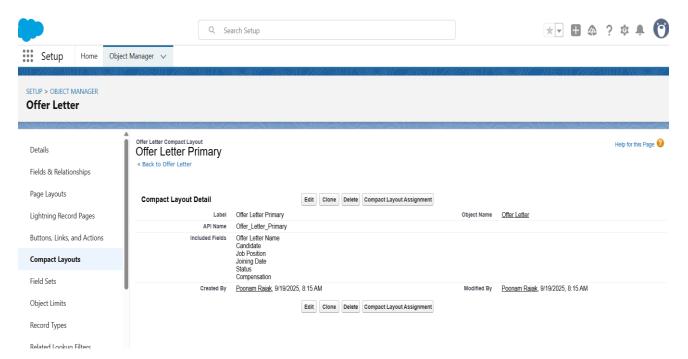
• Setup  $\rightarrow$  Object Manager  $\rightarrow$  [Object]  $\rightarrow$  Compact Layouts  $\rightarrow$  New.

#### **Screenshot:**

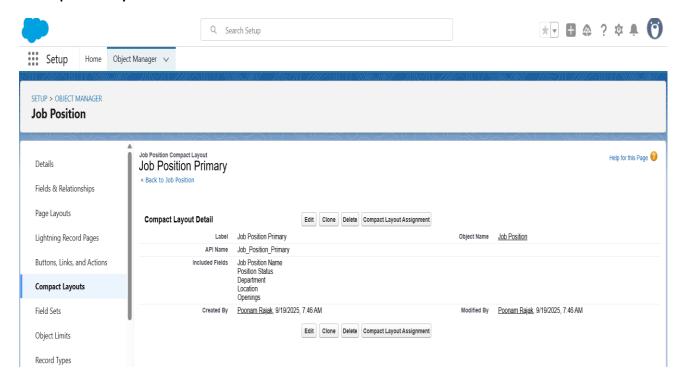
## **Compact Layouts of Candidate**



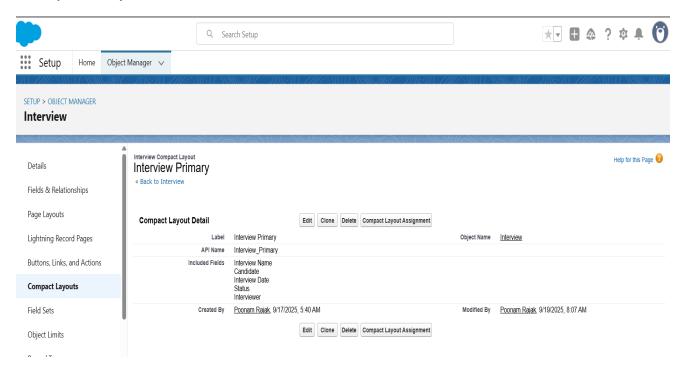
# Compact Layouts of Offer Letter



## **Compact Layouts of Job Position**



## **Compact Layouts of Interview**



#### 6. Schema Builder

### Configuration

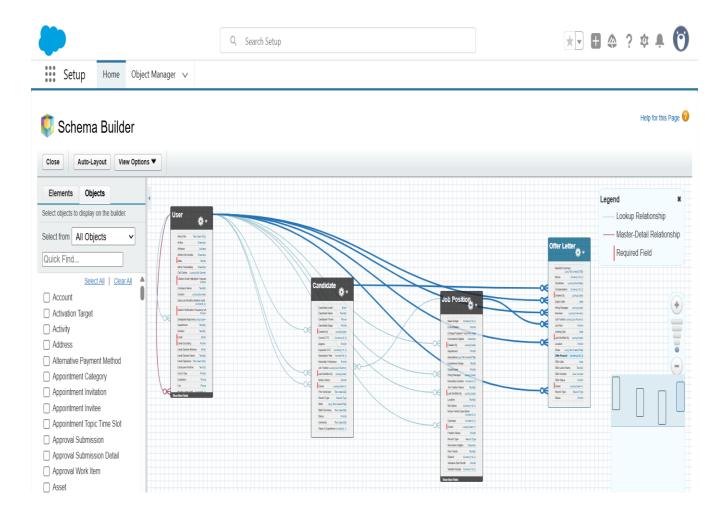
- Objects on canvas: User, Candidate\_\_c, Job\_Position\_\_c,
   Offer\_Letter\_\_c; ensure all are selected in the Objects list for visibility and auto-layout enabled for clean relationship lines.
- Relationships: Lookup links originate from User to the custom objects for owner/lookup fields; Candidate\_\_c links to Job\_Position\_\_c; Offer\_Letter\_\_c links back to Candidate\_\_c and optionally to Job\_Position\_\_c if added for reporting; required fields are flagged in red as per legend for data enforcement.
- Display options: Enable field-level visibility and legend; keep "Lookup Relationship" (blue), "Master-Detail" (none used here), and "Required Field" indicators visible to document the design accurately.

#### Procedure

- Navigate: Setup > Schema Builder → in the left "Objects" tab, check User, Candidate\_\_c, Job\_Position\_\_c, Offer\_Letter\_\_c; click Auto-Layout to arrange entities and reveal all relationship lines clearly.
- Verify relationships: Confirm Candidate\_\_c has a Lookup to Job\_Position\_\_c; Offer\_Letter\_\_c has a Lookup to Candidate\_\_c; confirm any User lookups like Hiring\_Manager\_\_c on Job\_Position\_\_c and Interviewer or Owner where applicable; ensure no Master-Detail is used to preserve independent record ownership and prevent cascade deletes.
- Annotate requireds: Click each object's fields on the canvas to verify required flags match design (e.g., Candidate\_\_c.Status\_\_c required, Offer\_Letter\_\_c.Compensation\_\_c/Joining\_Date\_\_c required when status transitions handled by validation in later phases) and adjust in Object Manager if discrepancies are found.

# Screenshot

Schema Builder canvas with the four objects and relationship lines.



## 7. Lookup vs Master-Detail vs Hierarchical Relationships

### **Configuration:**

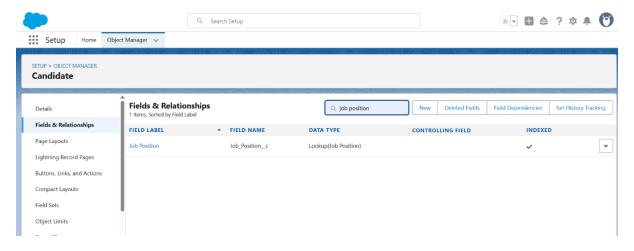
Implemented Lookups for flexibility. No Master-Detail or Hierarchical used.

#### **Procedure:**

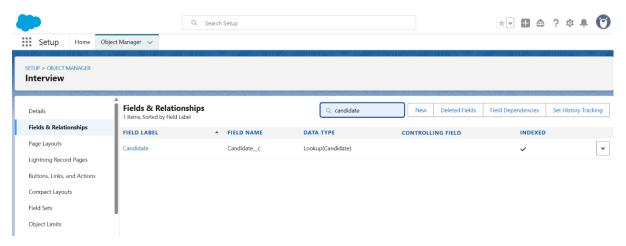
- Setup  $\rightarrow$  Object Manager  $\rightarrow$  Field  $\rightarrow$  New  $\rightarrow$  Lookup Relationship.
- Candidate → Job Position (Lookup).
- Interview → Candidate (Lookup).
- Offer Letter→ Candidate (Lookup).

#### **Screenshot:**

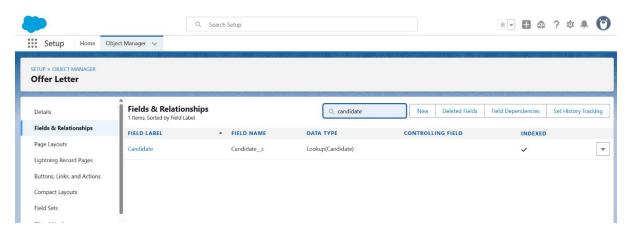
Candidate → Job Position (Lookup).



Interview → Candidate (Lookup).



Offer → Candidate (Lookup).



# 8. Junction Objects

Configuration

Not required

## 9. External Objects

Not configured