

# Phase 3: Data Modeling & Relationships

This phase covers creating custom objects, fields, relationships, layouts, and adding sample data.

## Step 1 : Create Custom Objects

### Navigation:

Setup → Object Manager → Create → Custom Object

### Objects to create:

Object Name	API Name	Purpose
Youth	Youth__c	Tracks youth registration info
Job	Job__c	Tracks job postings
Skill	Skill__c	Stores skill names like Java, Python
Interview	Interview__c	Stores interview details
YouthSkill	YouthSkill__c	Links Youth → Skill (Master-Detail on Youth, Lookup to Skill)
JobSkill	JobSkill__c	Links Job → Skill (Master-Detail on Job, Lookup to Skill)

The screenshot shows the Salesforce Object Manager interface. The search bar at the top contains 'youth'. The table below lists two custom objects: Youth and YouthSkill. Both are of type 'Custom Object' and were last modified on 9/13/2025. The YouthSkill object has a deployment status of '✓'.

Label	API Name	Type	Description	Last Modified	Deployed
Youth	Youth__c	Custom Object		9/13/2025	✓
YouthSkill	YouthSkill__c	Custom Object		9/13/2025	✓

The screenshot shows the Salesforce Object Manager interface. The search bar at the top contains 'job'. The table below lists two custom objects: Job and JobSkill. Both are of type 'Custom Object' and were last modified on 9/13/2025. The JobSkill object has a deployment status of '✓'.

Label	API Name	Type	Description	Last Modified	Deployed
Job	Job__c	Custom Object		9/13/2025	✓
JobSkill	JobSkill__c	Custom Object		9/13/2025	✓

The screenshot shows the Salesforce Setup page with the 'Object Manager' tab selected. A search bar at the top right contains the text 'Job'. Below it, a table lists two objects:

Label	API Name	Type	Description	Last Modified	Deployed
Job	Job_c	Custom Object		9/13/2025	✓
JobSkill	JobSkill_c	Custom Object		9/13/2025	✓

## Step 2 : Create Fields

Each object needs fields to capture record details.

### Youth\_\_c Fields

Field Name	Type	Notes
Email__c	Email	Email address of youth
Location__c	Text(255)	City/region
Qualification__c	Text	Education level
Preferred_Role__c	Picklist	Options: Developer, Designer, Sales

### Job\_\_c Fields

Field Name	Type	Notes
Location__c	Text(255)	City/region of job
Description__c	Long Text	Job description
Required_Experience__c	Number/Text	Experience in years
Status__c	Picklist	Options: Open, Closed

### Interview\_\_c Fields

Field Name	Type	Notes
Interview_Date__c	DateTime	Scheduled date/time
Status__c	Picklist	Scheduled, Completed, Cancelled, Feedback_Given

Field Name	Type	Notes
Candidate__c	Lookup → Youth__c	Links to the youth being interviewed
Job__c	Lookup → Job__c	Links to the job
Interviewer__c	Lookup → User	Recruiter/interviewer
Feedback__c	Long Text Area	Interview feedback

The screenshot shows the Salesforce Object Manager interface for the 'Youth' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main content area displays the 'Fields & Relationships' section with 8 items. The table shows the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Text(255)		
Owner	OwnerId	Lookup(User,Group)		✓
Preferred Role	Preferred_Role__c	Picklist		
Qualification	Qualification__c	Text(100)		
Youth ID	Name	Auto Number		✓

The screenshot shows the Salesforce Object Manager interface for the 'Job' object. The left sidebar lists various setup options. The main content area displays the 'Fields & Relationships' section with 8 items. The table shows the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Description	Description__c	Long Text Area(32768)		
Job Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Text(255)		
Owner	OwnerId	Lookup(User,Group)		✓
Required Experience	Required_Experience__c	Number(18, 0)		
Status	Status__c	Picklist		

Fields & Relationships					
	FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Page Layouts	Candidate	Candidate__c	Lookup(Youth)		✓
Lightning Record Pages	Candidate Name	Candidate_Name__c	Formula (Text)		✓
Buttons, Links, and Actions	Created By	CreatedById	Lookup(User)		✓
Compact Layouts	Feedback	Feedback__c	Long Text Area(32768)		✓
Field Sets	Interview Date	Interview_Date__c	Date/Time		✓
Object Limits	Interview ID	Name	Auto Number		✓
Record Types	Interviewer	Interviewer__c	Lookup(User)		✓
Related Lookup Filters	Job	Job__c	Lookup(Job)		✓
Search Layouts	Job Title	Job_Title__c	Formula (Text)		✓
List View Button Layout	Last Modified By	LastModifiedById	Lookup(User)		✓
Restriction Rules	Owner	OwnerId	Lookup(User/Group)		✓
Scoping Rules	Result	Result__c	Picklist		✓
Object Access	Status	Status__c	Picklist		✓
Triggers					
Flow Triggers					
Validation Rules					
Conditional Field Formatting					

## Step 3 : Create Relationships

### YouthSkill\_\_c

- Master-Detail → Youth\_\_c
- Lookup → Skill\_\_c

### JobSkill\_\_c

- Master-Detail → Job\_\_c
- Lookup → Skill\_\_c

## Step 4 : Configure Page Layouts

### Youth\_\_c Layout

- Fields: Email, Location, Qualification, Preferred Role
- Related Lists: YouthSkill\_\_c, Interview\_\_c

### Job\_\_c Layout

- Fields: Location, Description, Required Experience, Status
- Related Lists: JobSkill\_\_c, Interview\_\_c

### Interview\_\_c Layout

- Fields: Candidate, Job, Interview Date, Interviewer, Status, Feedback

## Step 5 : Add Sample Records

- **Skills:** Java, Python, HTML
- **Youth:** Test Youth → Email: test@y.com, Location: Hyderabad
- **Job:** Java Developer → Location: Hyderabad, Status: Open

### Link YouthSkill & JobSkill

- Test Youth → Java (YouthSkill)
- Java Developer Job → Java (JobSkill)

The image contains two screenshots of the CareerBridge software interface, both titled "Recently Viewed".

**Screenshot 1: JobSkills Module**

This screenshot shows the "JobSkills" module. The navigation bar includes "Jobs", "JobSkills", "Youths", "YouthSkills", "Skills", "Interviews", "Dashboards", "Reports", "Accounts", and "Contacts". The main area displays a list of recently viewed items under the heading "JobSkills Recently Viewed". The list shows 2 items updated a few seconds ago:

- 1 JobSkill Name: Designer-python
- 2 Developer-html

**Screenshot 2: YouthSkills Module**

This screenshot shows the "YouthSkills" module. The navigation bar is identical to the first screenshot. The main area displays a list of recently viewed items under the heading "YouthSkills Recently Viewed". The list shows 3 items updated a few seconds ago:

- 1 YouthSkill (junction) Name: Sales Engineer
- 2 Developer-python
- 3 Developer-html