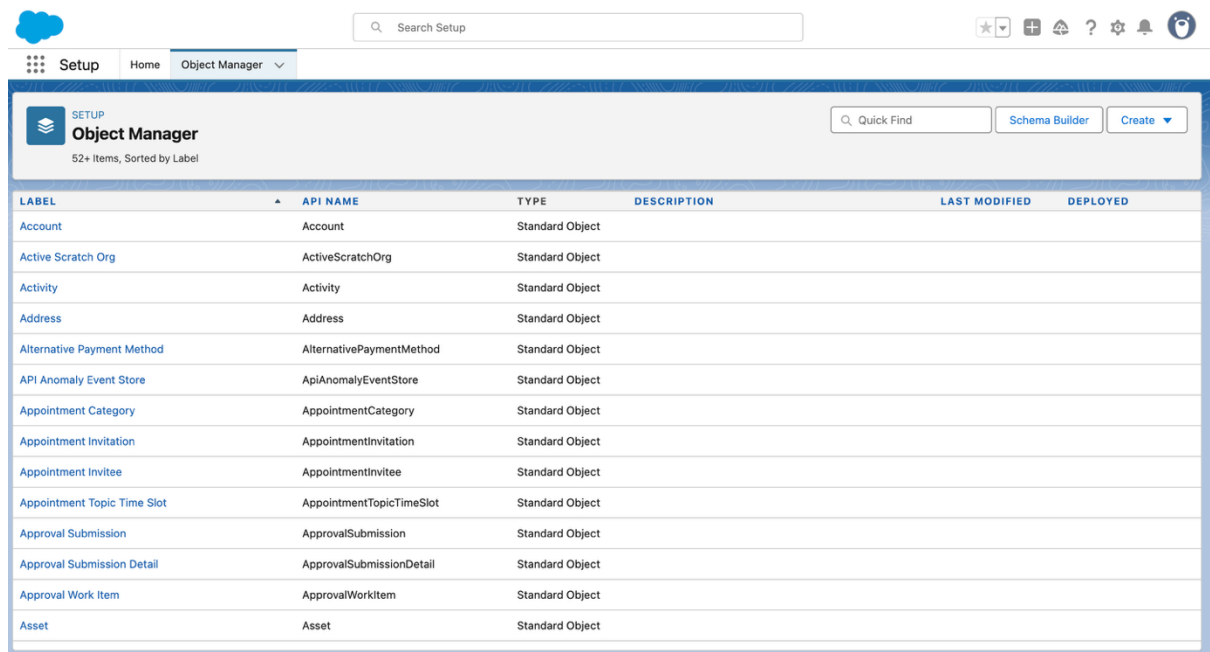


Phase 3 Report: Data Modeling & Relationships

1. Introduction

This phase focuses on **designing and implementing the data model** for the Event Registration App.

We create custom objects, define fields, establish relationships, and configure page layouts to ensure a structured and efficient database.



The screenshot displays the Salesforce Setup interface, specifically the Object Manager section. The top navigation bar includes the Setup icon, a search bar labeled "Search Setup", and various utility icons. Below the navigation bar, the "Object Manager" section is active, showing a list of 52+ items sorted by label. The table below represents the data shown in the screenshot.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Active Scratch Org	ActiveScratchOrg	Standard Object			
Activity	Activity	Standard Object			
Address	Address	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Approval Submission	ApprovalSubmission	Standard Object			
Approval Submission Detail	ApprovalSubmissionDetail	Standard Object			
Approval Work Item	ApprovalWorkItem	Standard Object			
Asset	Asset	Standard Object			

2. Custom Objects Creation

- **Event Object:**
 - Stores details of events organized.
 - Key Fields: Event Name, Event Date, Location, Capacity, Description
- **Attendee Object:**
 - Stores attendee information.
 - Key Fields: Name, Email, Contact Number, Registered Event


The screenshot shows the Salesforce Setup interface for the 'Event' object. The breadcrumb trail is 'SETUP > OBJECT MANAGER'. The left sidebar lists various configuration options under the 'Details' section, including Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Restriction Rules, Scoping Rules, Object Access, Triggers, and Flow Triggers. The main content area is titled 'Event' and contains a 'Details' section with the following fields: Description, API Name (Event__c), Custom (checked), Singular Label (Event), Plural Label (Events), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), and Help Settings (Standard salesforce.com Help Window). There are 'Edit' and 'Delete' buttons in the top right corner.

The screenshot shows the Salesforce Setup interface for the 'Attendee' object. The breadcrumb trail is 'SETUP > OBJECT MANAGER'. The left sidebar lists various configuration options under the 'Details' section, including Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Restriction Rules, Scoping Rules, Object Access, Triggers, and Flow Triggers. The main content area is titled 'Attendee' and contains a 'Details' section with the following fields: Description, API Name (A__c), Custom (checked), Singular Label (Attendee), Plural Label (Attendees), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), and Help Settings (Standard salesforce.com Help Window). There are 'Edit' and 'Delete' buttons in the top right corner.

3. Fields Creation & Data Types

Object	Field Name	Data Type	Description
Event	Event Name	Text	Name of the Event
Event	Event Date	Date	Date of the Event
Event	Location	Text	Venue of the Event
Event	Capacity	Number	Maximum number of attendees
Event	Description	Long Text Area	Event details

Object	Field Name	Data Type	Description
Attendee	Name	Text	Attendee Full Name
Attendee	Email	Email	Attendee Email Address
Attendee	Contact Number	Phone	Attendee Phone Number
Attendee	Registered Event	Lookup(Event)	Relation to Event object



Setup

Home

Object Manager

SETUP > OBJECT MANAGER

Attendee

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

Fields & Relationships

9 Items, Sorted by Field Label

Quick Find


New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
A Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Event	Event__c	Lookup(Event)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Registered Event	Registered_Event__c	Lookup(Event)		✓
Registration Date	Registration_Date__c	Date/Time		



Setup

Home

Object Manager

SETUP > OBJECT MANAGER

Event

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity	Capacity__c	Number(10, 0)		
Created By	CreatedById	Lookup(User)		
End Date	End_Date__c	Date		
Event Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Text Area(255)		
Owner	OwnerId	Lookup(User,Group)		✓
Start date	Start_date__c	Date		

4. Relationships Between Objects

- Created a **Lookup Relationship** from **Attendee** → **Event**.
 - This allows each attendee to be linked to an event while keeping data flexible.
 - Relationship rules:
 - Attendee cannot exist without an Event reference (optional for lookup, required for master-detail in future if needed).
-

5. Page Layouts & Related Lists

- **Event Page Layout:** Added **Related List for Attendees** to show all registered attendees per event.
 - **Attendee Page Layout:** Displays the **Event lookup field** and attendee details.
 - Configured **Quick Actions** for creating new attendees directly from Event page.
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6. Conclusion

The data model for the Event Registration App is now complete with:

- Two custom objects: Event and Attendee
- Proper fields with correct data types
- Lookup relationship to link attendees to events
- Configured page layouts for smooth navigation

This setup forms the foundation for **process automation (Flows & Email Alerts)** in Phase 4.