

# CAMPUS EVENT MANAGEMENT SYSTEM

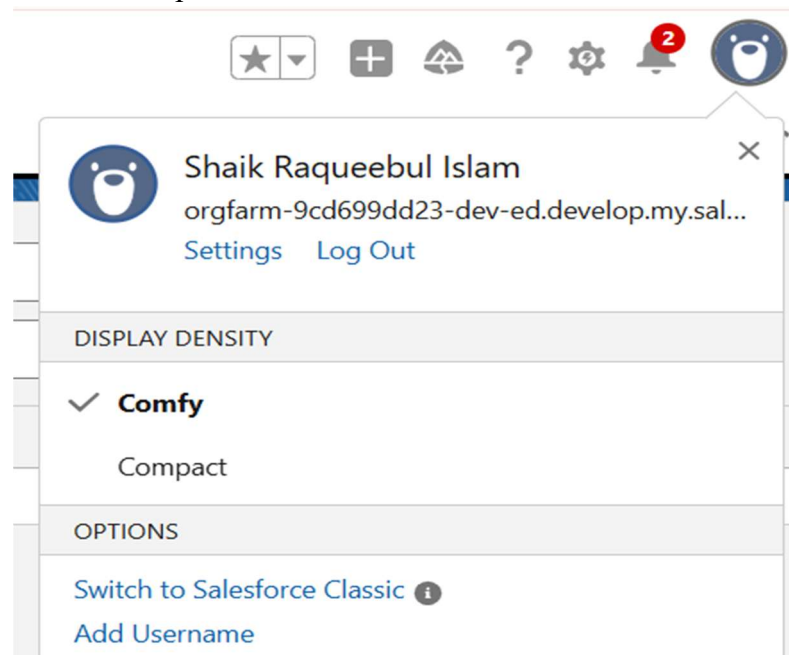
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## Phase 3: Data Modeling & Relationships

### Stage 1: Dashboard after Login

- After logging into Salesforce Developer Edition, the dashboard provides access to the App Launcher, setup, and other Salesforce tools.



### Stage 2: App Creation

- Created a new Lightning App named Campus Event Management App with branding color #0070D2. Navigation items were added for easy access.

## App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.


### App Details


\* App Name ⓘ  
Campus Event Management App

\* Developer Name ⓘ  
Campus\_Event\_Management\_App

Description ⓘ  
Manage campus events, participants, and feedback efficiently

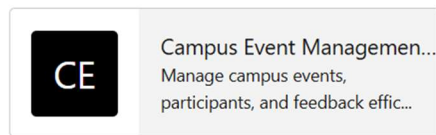
### App Branding

Image ⓘ  


Primary Color Hex Value ⓘ  
 #000000

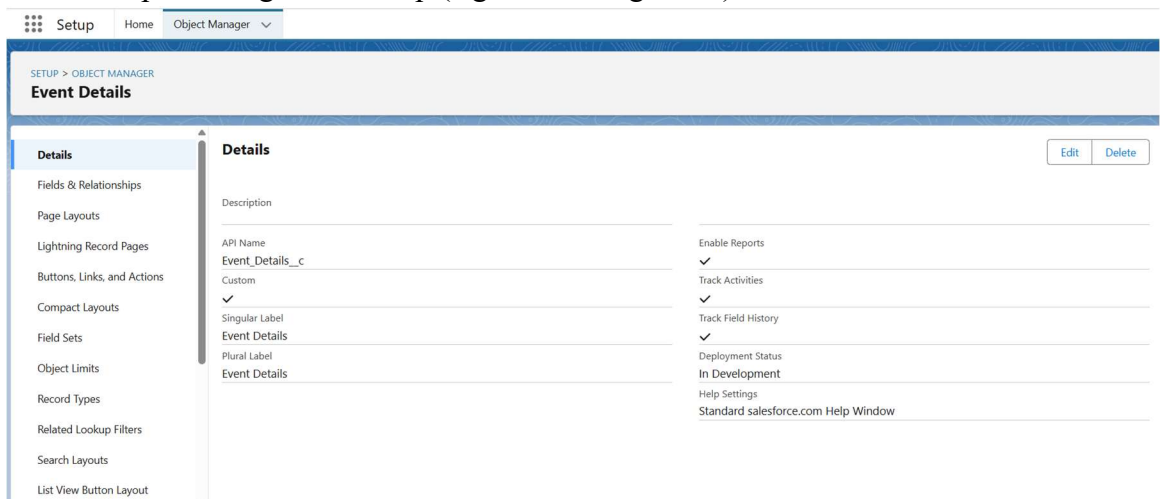
Org Theme Options  
☐ Use the app's image and color instead of the org's custom theme

### App Launcher Preview



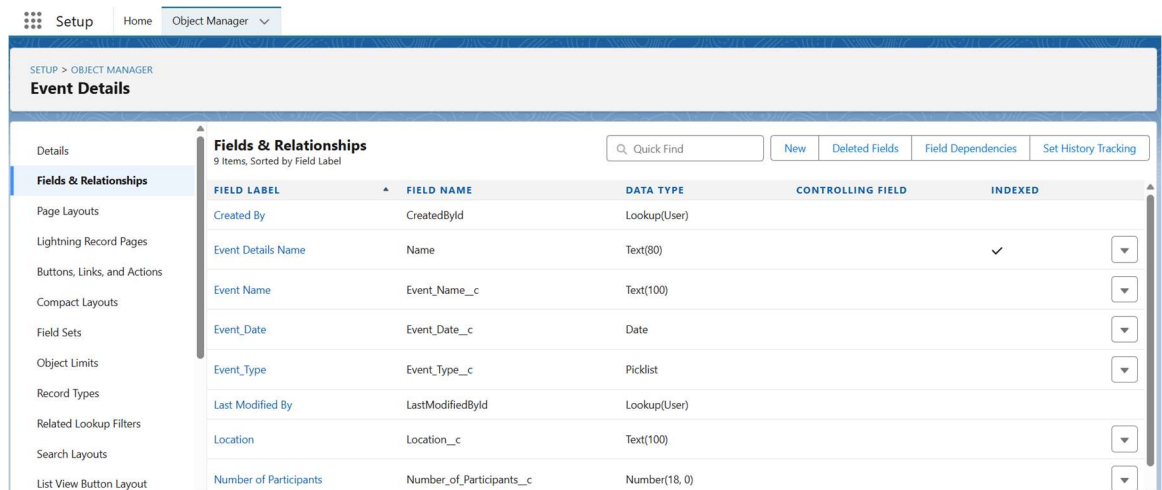
## Stage 3: Standard & Custom Objects

- Custom objects were created to store data for different entities:
  - Event Details: Event\_Details\_\_c: Stores event details.
  - Participants: Participant\_\_c: Tracks registered participants.
  - Feedback (optional): Feedback\_\_c: Captures participant feedback.
  - Sponsors (optional): Sponsor\_\_c: Stores sponsor details.
- **Standard Objects:** Used the standard *User* object by creating lookup relationships to assign ownership (e.g., Event Organizer).



## Stage 4: Custom Fields

- Custom fields were added to each object for capturing event details, participant information, feedback, and sponsor details. Lookup relationships were configured for linking.
- Event\_Date\_\_c (Date) on Event\_Details\_\_c
- Event\_Type\_\_c (Picklist) on Event\_Details\_\_c
- Participant\_Email\_\_c (Email, Unique) on Participant\_\_c
- Sponsor\_Name\_\_c (Text) on Sponsor\_\_c
- Feedback\_Rating\_\_c (Number, 1–5 scale) on Feedback\_\_c
- Event\_\_c (Lookup to Event\_Details\_\_c) on Participant\_\_c
- Participant\_\_c (Lookup to Participant\_\_c) on Feedback\_\_c



The screenshot shows the Salesforce Setup interface for the 'Event Details' object. The 'Fields & Relationships' tab is selected, displaying a list of 9 fields. The fields are sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Each row has a dropdown arrow on the right for field actions.

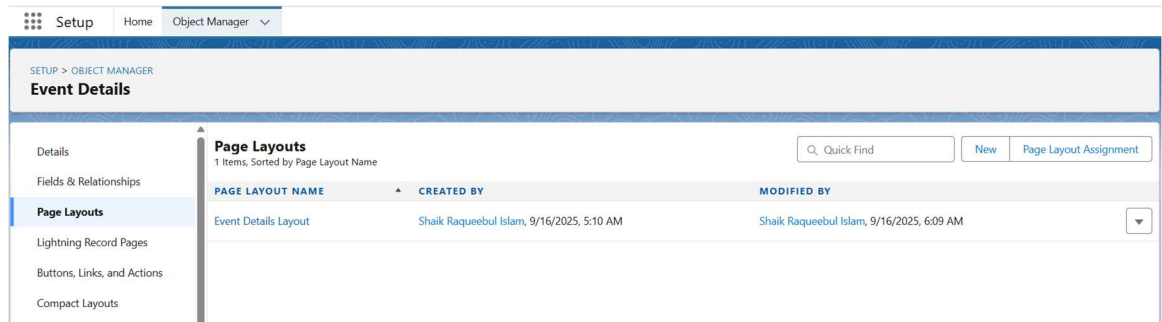
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Event Details Name	Name	Text(80)		✓
Event Name	Event_Name__c	Text(100)		
Event_Date	Event_Date__c	Date		
Event_Type	Event_Type__c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Text(100)		
Number of Participants	Number_of_Participants__c	Number(18, 0)		

## Record Types

Not used in this project. While record types can separate Seminars vs. Workshops, we kept a **single streamlined process**.

## Page Layouts

- **Event\_Details\_\_c**: Related lists for Participants and Sponsors.
- **Participant\_\_c**: Related list for Feedback.
- **Sponsor\_\_c**: Lookup to Event\_Details\_\_c.
- **Feedback\_\_c**: Lookup to Participant\_\_c.



## Lookup vs Master-Detail vs Hierarchical

- **Lookup:** Feedback → Participant (feedback can exist independently).
- **Master-Detail:** Participant → Event Details (participants must belong to an event).
- **Hierarchical:** Not used (only applies to User object).

## Junction Objects

- *Participant\_\_c* acts as a semi-junction object, linking *Event\_Details\_\_c* and *Feedback\_\_c*.
- This allows multiple participants per event and multiple feedback entries per participant.

## Stage 5: Tabs Creation

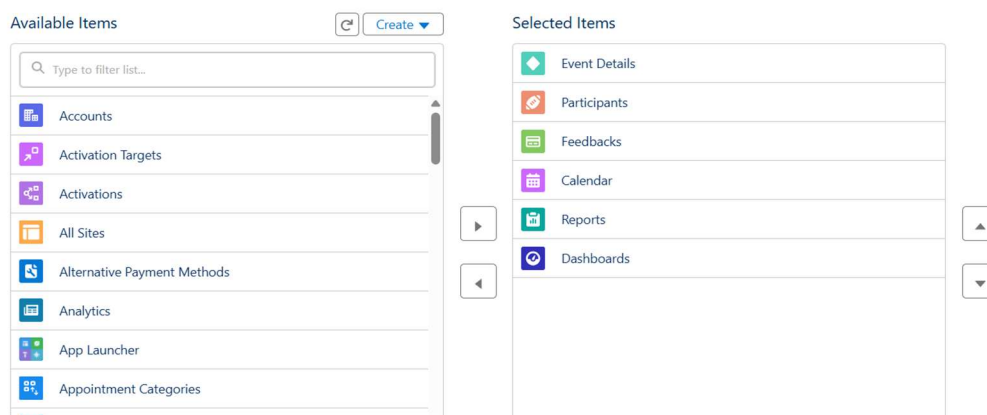
- Tabs were created for all custom objects, enabling users to access them from the app's navigation bar.

## Stage 6: Navigation Items

- Navigation items such as Event Details, Participants, Feedback, Sponsors, Reports, and Dashboards were added to the Campus Event Management App.

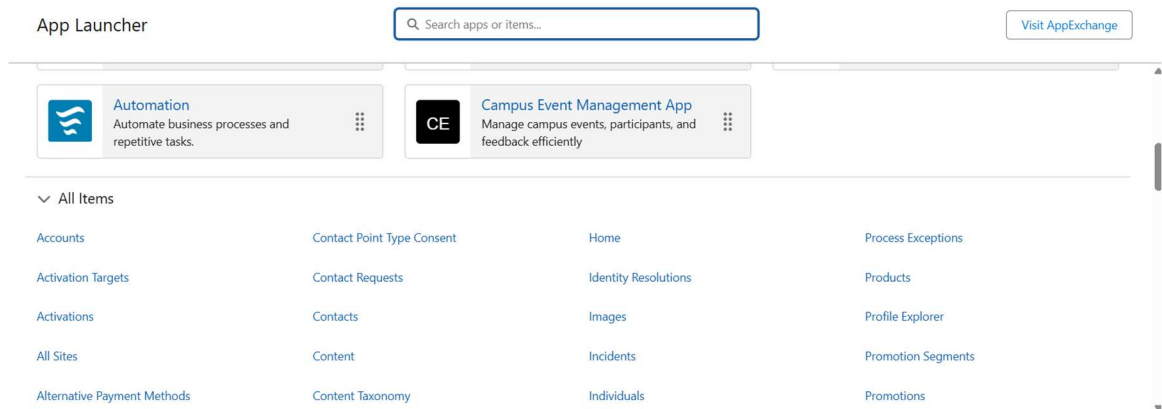
### Navigation Items

Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.



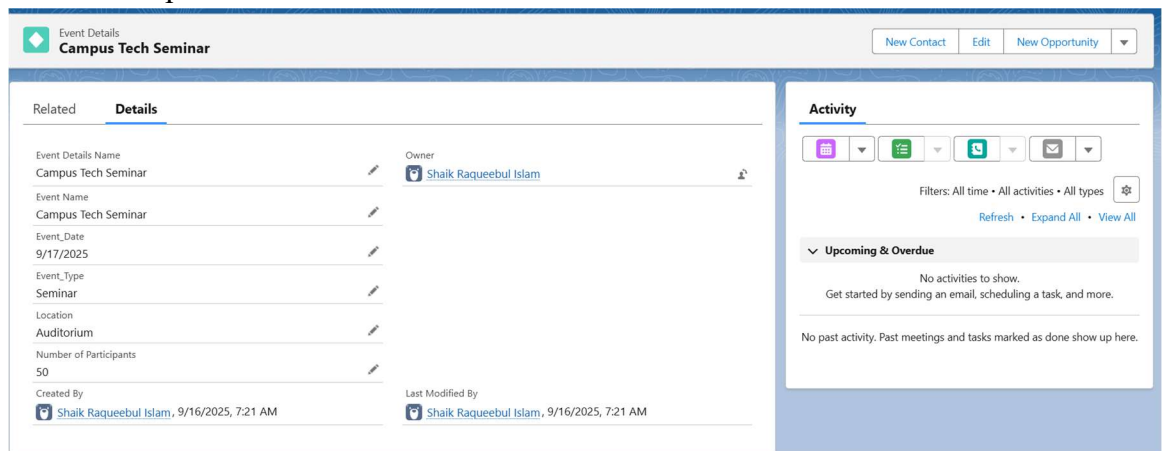
## Stage 7: Accessing the App

- The app was accessed via the App Launcher (grid icon). All custom objects and navigation items appeared as configured.




## Stage 8: Testing Custom Objects

- Created sample records to verify functionality:
  - Added a new Event (e.g., Campus Tech Seminar)
  - Registered a Participant linked to the event
  - Added Feedback for the participant and event
  - Linked a Sponsor to the event




## Stage 9: Verification of Functionality

- Verified that:
  - Tabs open correctly
  - Records can be searched
  - Related lists display linked records
  - Picklists, text, date, and number fields work as expected

Event Details

**Campus Tech Seminar**


Participants (1)

New

Participants Name

Shaik Raqueebul Islam

View All


Feedbacks (1)

New

Feedback Name

Feedback – Campus Tech Seminar – Raqueebul

View All

Sponsors (1)

New

Sponsors Name

Tech Corp

## Conclusion

The Campus Event Management App was successfully created in Salesforce Lightning. All custom objects, fields, tabs, navigation items, and relationships were tested and verified. The app is functional and ready for demonstration.