

# Phase 3: Data Modeling & Relationships

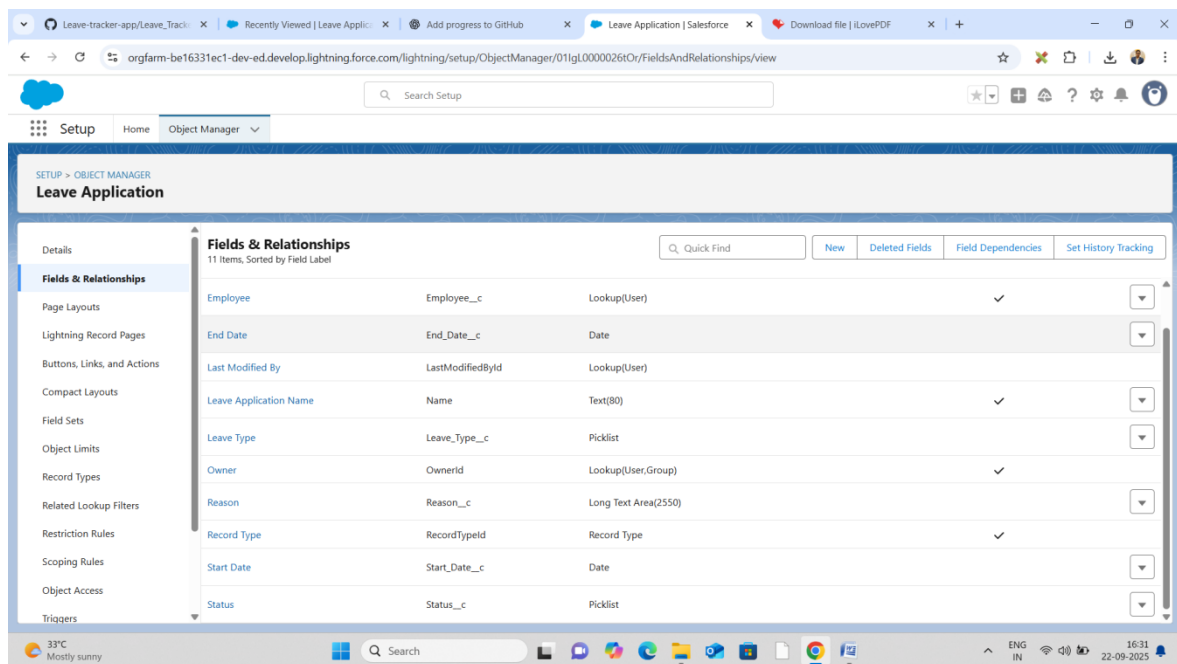
Goal: Build the data structure for managing employee leave requests.

## 1. Standard & Custom Objects

- Standard Objects:
  - User → represents employees and managers.
  - Profile → defines access and permissions.
- Custom Objects:
  - Leave\_Application → stores leave applications and approval status.

## 2. Fields

- Leave\_Application fields:
  - Employee (Lookup to User)
  - Leave Type (Annual, Sick, Casual)
  - Start Date
  - End Date
  - Total Days
  - Status (Pending, Approved, Rejected)
  - Comments



## 3. Record Types

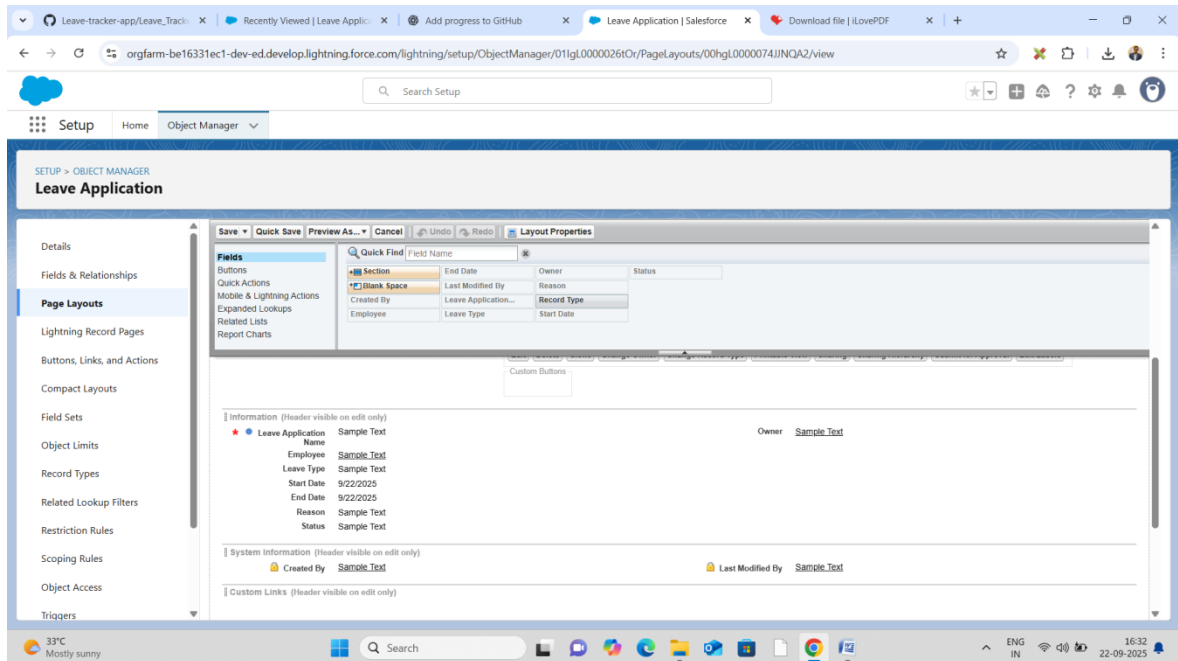
- Leave\_Application → optional if you want different leave processes for Planned Leave vs Sick Leave.

## 4. Page Layouts

- LeaveApplicationPageLayout: Show employee info, leave dates, type, status, and manager

comments.

- Employee Page Layout: Displays submitted leave applications.

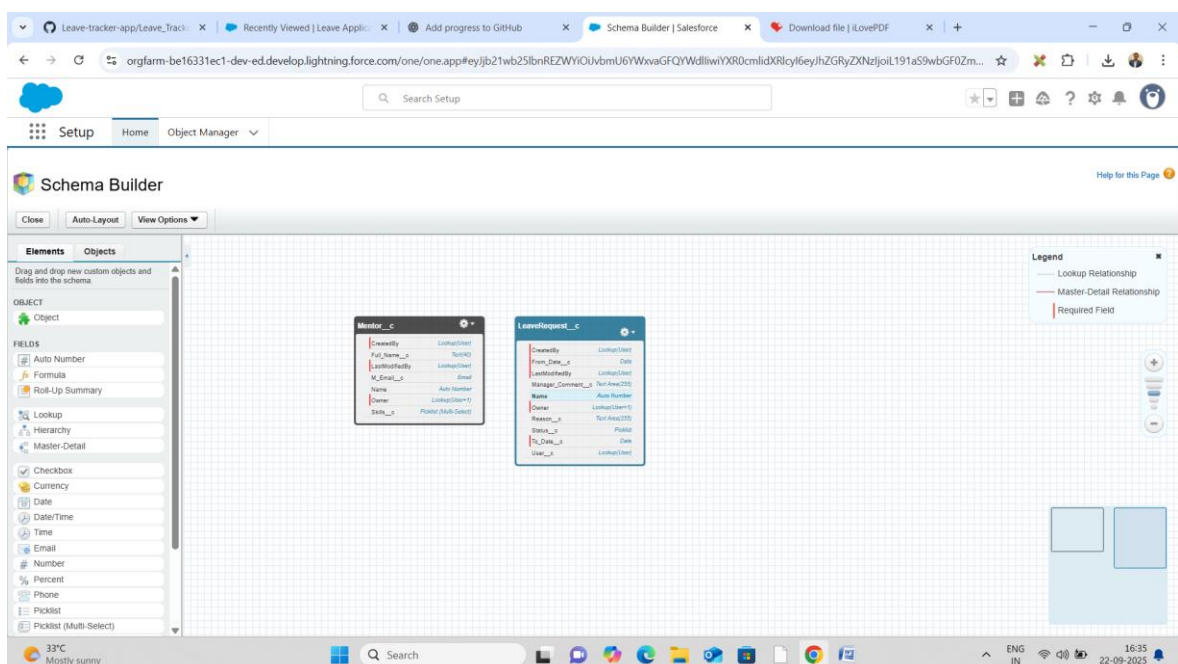


## 5. Compact Layouts

- For mobile view: show Leave Type, Start Date, End Date, Status.

## 6. Schema Builder

- Use Schema Builder to visualize relationships between User and Leave\_Applications.



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

- Employee→Leave\_Applicationc:Lookup(employeescanhavemultipleleaveapplications, applications don't own employees).
- Leave\_Applicationc→Manager (User): Lookup to identify who approves.

## **8. Junction Objects**

- Not required for this project because one leave application belongs to one employee only.

## **9. External Objects**

- Could be used if leave data comes from external HR systems, but not used here.