

Hospital Management System - Phase 3 (Data Modeling)

This phase of the Hospital Management System (HMS) focuses on Data Modeling. It involves creating custom objects, fields, relationships, and configuring layouts within Salesforce to properly structure hospital-related data for smooth management.

Setup → Object Manager → Create Custom Objects

Create the following custom objects to manage hospital operations effectively:

- Patient
- Doctor
- Department
- Appointment
- Admission
- Ward/Bed
- Billing
- LabTest
- Prescription

Create Fields

For each object, create necessary fields of type:

- Text
- Date
- Phone
- Picklist

Example: Patient object → Name (Text), DOB (Date), Contact (Phone), Gender (Picklist).

Add Lookup/Master-Detail Relationships

Establish relationships between objects to maintain data integrity:

- Patient → Appointment (Lookup)
- Doctor → Appointment (Lookup)
- Department → Doctor (Master-Detail)
- Admission → Patient (Lookup)
- Ward/Bed → Admission (Master-Detail)
- Billing → Admission (Lookup)
- LabTest → Patient (Lookup)
- Prescription → Appointment (Lookup).

Configure Page Layouts and Record Types

Define customized page layouts for each object based on hospital roles. Record types can be created for different scenarios like:

- Outpatient vs Inpatient Admission
- Regular Consultation vs Emergency Appointment
- General Billing vs Insurance Billing.