SALESFORCE PROJECT IMPLEMENTATION PHASES

MediSmart CRM — AI-Powered Healthcare Appointment & Patient Follow-up CRM

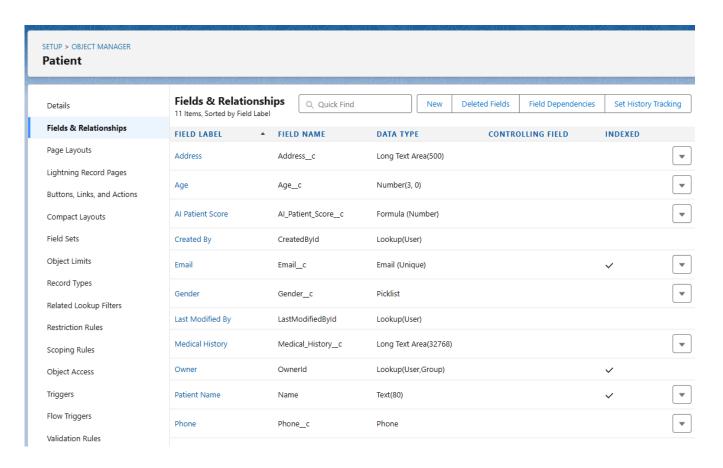
Phase 3: Data Modeling & Relationships

Motive of Phase 3:- lay the foundation for how your data will be stored, structured, and connected

Create Custom Objects

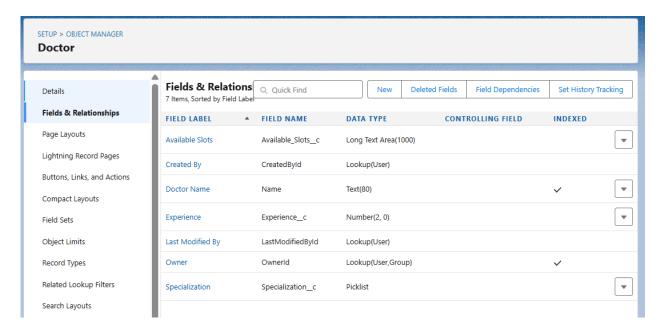
1. Patient

• Fields: Name, Age, Gender, Phone, Email, Address, Medical_History_c (Long Text), AI_Patient_Score_c (Formula).



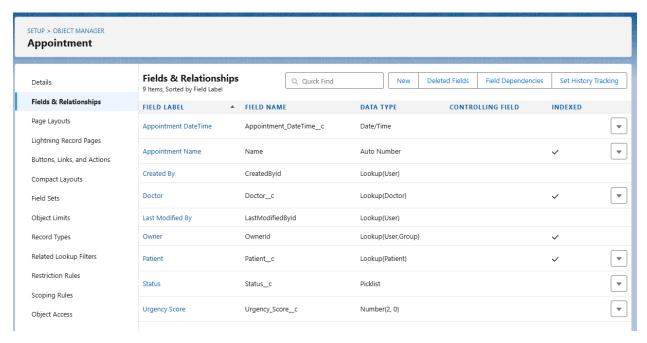
2. Doctor

• Fields: Name, Specialization, Available_Slots__c (Text/JSON), Experience_Years__c,



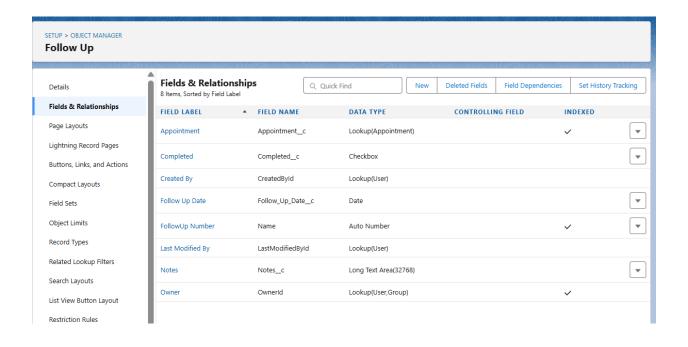
3.Appointment

 Fields: DateTime, Status (Picklist: Scheduled, Completed, Cancelled, No-Show), Patient (Lookup to Patient_c), Doctor (Lookup to Doctor_c), Urgency_Score_c (Number).



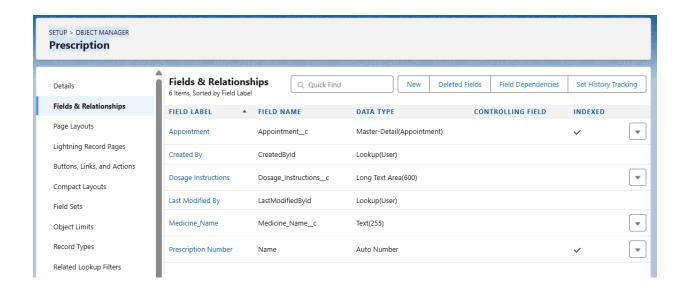
4. FollowUp_c

• Fields: Appointment (Lookup), Follow_Up_Date__c, Notes__c, Completed__c (Checkbox).



5. Prescription

Fields: Appointment (Master-Detail), Medicine_Name__c,
Dosage__c, Duration__c.



3. Relationships

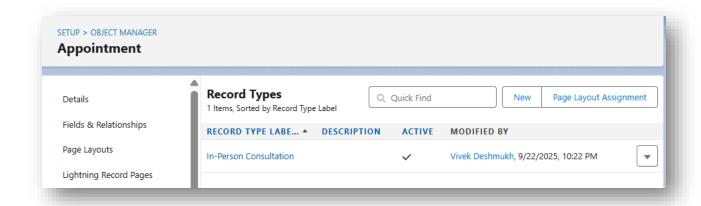
Properly defining relationships ensures data integrity, enables automation, reporting, and analytics.

- Patient → Appointment: One patient can have multiple appointments.
- Doctor → Appointment: One doctor can see many patients.
- Appointment → FollowUp: Each appointment may have multiple follow-ups.
- Appointment → Prescription: Master-Detail ensures prescriptions are deleted if an appointment is removed.

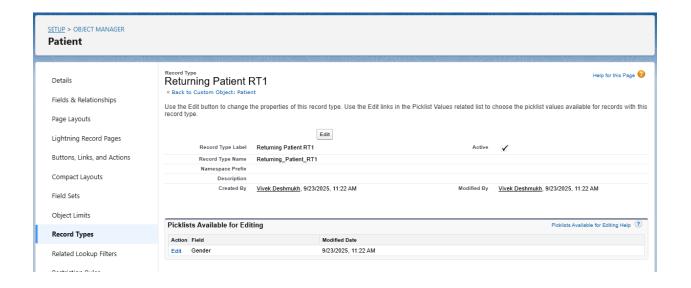
4. Record Types

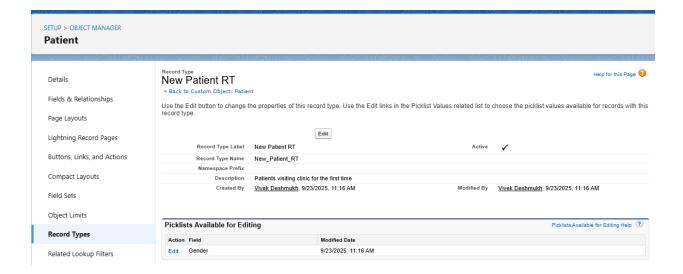
Record Types allow customization of page layouts, picklist values, and business processes for different types of records.

Appointment: one record types In-Person Consultation



Patient: Two record type for New Patient and Returning Patient



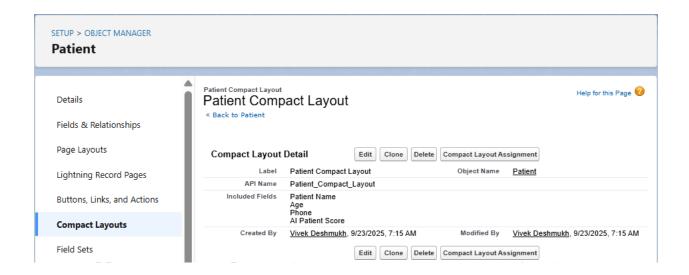


5. Page Layouts

- Patient Layout: Quick view → demographics + recent appointments.
- Doctor Layout: Specialization + appointments list
- Appointment Layout: Appointment details + predicted no-show + prescription + follow-up section.

6. Compact Layouts

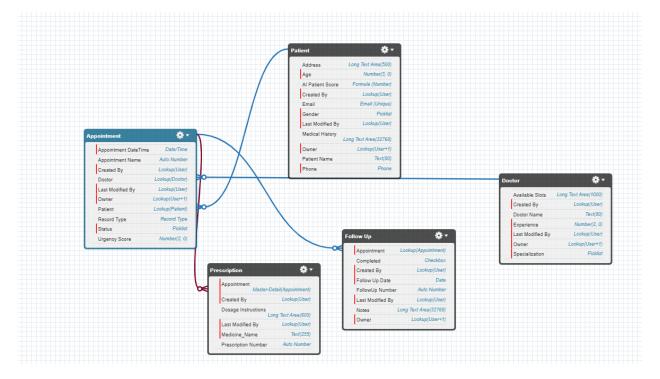
• Patient Compact Layout: Name, Age, Phone, Engagement Score.





7. Schema Builder

• Setup → Schema Builder to visually connect objects.



8. Lookup vs Master-Detail

- Lookup:
 - \circ Appointment \rightarrow Patient
 - \circ Appointment \rightarrow Doctor
 - \circ Follow_Up \rightarrow Appointment
- Master-Detail:
 - \circ Prescription \rightarrow Appointment

9. Juction Objects

Appointment acts as a junction between Patient and Doctor.

10. External Objects

• If we want AI/ML integration later (like predictive models running outside Salesforce in AWS/Heroku), we can create an External Object linked via Salesforce Connect to store AI predictions.