Phase 3: Data Modeling & Relationships

3.1 Standard & Custom Objects

Standard Objects Used:

- User: Represents students, landlords, and administrators.

- Account: Landlord details and organization-level data.

- Contact: Student details (linked to user and accommodation booking).

Custom Objects Created:

Object Key Fields

Student Name, Email, Phone, Student City, Student College, Gender,

Course

Landlord Name, Email, Phone, Address, Owner

Accommodation Name, Location, Rent, Type, Status, Landlord Lookup, Furnished,

Meals Included, Mess Facility, Number of Beds

Booking Date, Status, Student Lookup, Accommodation Lookup,

Amount

Payment Amount, Payment Date, Mode, Booking Master-Detail, Payment

Name

3.2 Fields

Student Fields: Name, Email, Phone, Student City, Student College, Gender, Course

Landlord Fields: Name, Email, Phone, Address, Owner

Accommodation Fields: Name, Location, Rent, Type, Status, Landlord Lookup, Furnished, Meals Included,

Mess Facility, Number of Beds

Booking Fields: Booking Date, Status, Student Lookup, Accommodation Lookup, Amount

Payment Fields: Amount, Payment Date, Mode, Booking Master-Detail, Payment Name

3.3 Record Types

Purpose: Different processes or picklist values for same object.

Accommodation Record Types

• Hostel → Fields: Mess Facility, Curfew Time, Number of Beds

• PG → Fields: Meals Included, Room Sharing Option

- Apartment → Fields: Furnished (Yes/No)
- Flat → Fields: Status (Available/Booked)
- Single Room \rightarrow Fields: Type, Status

Booking_c Record Types

- Student-Initiated Booking → Status: Pending, Cancelled
- Admin-Assigned Booking → Status: Pending, Confirmed, Cancelled, Assigned

3.4 Page Layouts

Purpose: Control fields, sections, related lists visible to different roles

Accommodation Layouts

Layout Name	Record Type	Profile	Fields Visible
Hostel Layout	Hostel	Landlord	Name, Location, Rent, Mess Facility, Number of Beds, Status
PG Layout	PG	Landlord	Name, Location, Rent, Meals Included, Room Sharing, Status
Apartment Layout	Apartment	Landlord	Name, Location, Rent, Furnished, Status

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Accommodation Layout	Aakarsh verma, 9/20/2025, 10:47 PM	Aakarsh verma, 9/23/2025, 9:02 AM
Apartment layout	Aakarsh verma, 9/23/2025, 3:55 AM	Aakarsh verma, 9/23/2025, 9:02 AM
Hostel Layout	Aakarsh verma, 9/23/2025, 3:28 AM	Aakarsh verma, 9/23/2025, 9:02 AM
PG Specific layout	Aakarsh verma, 9/23/2025, 3:54 AM	Aakarsh verma, 9/23/2025, 9:02 AM

Booking Layouts

Layout Name Record Type Profile Fields Visible

Student Booking Layout Student-Initiated Student Property, Booking Date, Status

Admin Booking Layout Admin-Assigned Admin Property, Student, Booking Date,

Status, Notes

PAGE LAYOUT NAME	A	CREATED BY	MODIFIED BY
Admin-Assigned Layout		Aakarsh verma, 9/23/2025, 4:07 AM	Aakarsh verma, 9/23/2025, 4:08 AM
Booking Layout		Aakarsh verma, 9/20/2025, 11:19 PM	Aakarsh verma, 9/23/2025, 2:30 AM
Student-Initiated Layout		Aakarsh verma, 9/23/2025, 4:06 AM	Aakarsh verma, 9/23/2025, 4:07 AM

Payment Layout

• Fields: Booking, Amount, Payment Date, Mode

• Assign to Admin/Landlord

PAGE LAYOUT NAME	•	CREATED BY	MODIFIED BY
Payment Layout		Aakarsh verma, 9/23/2025, 2:26 AM	Aakarsh verma, 9/23/2025, 4:12 AM

3.5 Compact Layouts

Purpose: Show key fields at the top of record for quick glance in Lightning & Mobile

Object Key Fields Displayed

Accommodation Name, Type, Rent, Status, Location, Landlord

Booking Date, Accommodation, Student, Status

Payment Booking, Amount, Payment Date, Mode

Student Name, Email, Phone, Preferred Location

Accommodation compact layout

LABEL	A	API NAME	PRIMARY	MODIFIED BY	LAST MODIFIED
Property Highlights		Property_Highlights		Aakarsh verma	9/23/2025, 4:38 AM
System Default		SYSTEM	~		

Booking Compact Layout

LABEL	•	API NAME	PRIMARY	MODIFIED BY	LAST MODIFIED
Booking Highlights		Booking_Highlights		Aakarsh verma	9/23/2025, 4:39 AM
System Default		SYSTEM	~		

Payment Compact Layout

LABEL	A	API NAME	PRIMARY	MODIFIED BY	LAST MODIFIED
Payment Highlights		Payment_Highlights		Aakarsh verma	9/23/2025, 4:40 AM
System Default		SYSTEM	✓		

Student Compact layout

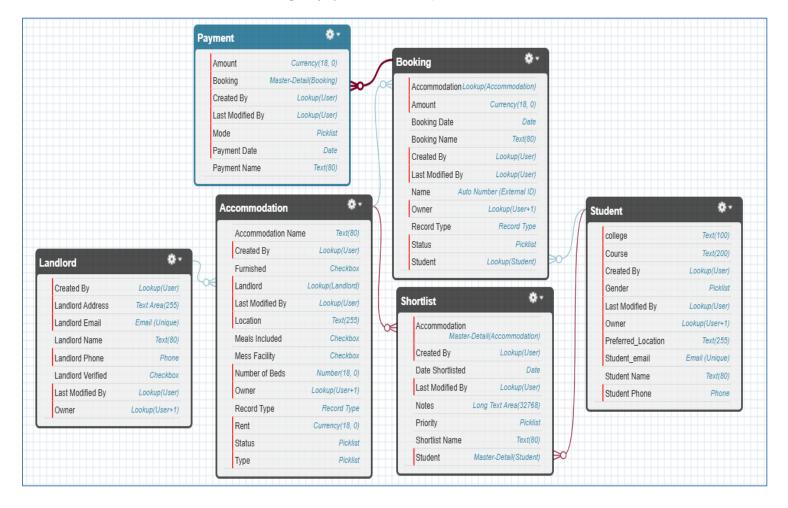
LABEL	A	API NAME	PRIMARY	MODIFIED BY	LAST MODIFIED
Student Highlights		Student_Highlights		Aakarsh verma	9/23/2025, 4:41 AM
System Default		SYSTEM	~		

Landlord Compact Layout

LABEL	•	API NAME	PRIMARY	MODIFIED BY	LAST MODIFIED
Landlord Highlights		Landlord_Highlights		Aakarsh verma	9/23/2025, 4:45 AM
System Default		SYSTEM	~		

3.6 Schema Builder

- Visual representation of objects, fields, and relationships.
 - Property → Landlord (Lookup)
 - Booking → Property, Student (Lookup)
 - Payment → Booking (Master-Detail)
 - o Shortlist → Student + Property (Master-Detail junction



3.7 Lookup vs Master-Detail vs Hierarchical Relationships

Child Object	Parent Object	Relationship Type	Notes
Property	Landlord	Lookup	Property can exist independently
Booking	Property	Lookup	Booking linked to Property
Booking	Student	Lookup	Booking belongs to Student
Payment	Booking	Master-Detail	Payment depends on Booking; inherits sharing
Shortlist	Student	Master-Detail	Junction object for many- to-many
Shortlist	Property	Master-Detail	Junction object for many- to-many

3.8 Junction Object:

Shortlist enables Student ↔ Property many-to-many relationship.

