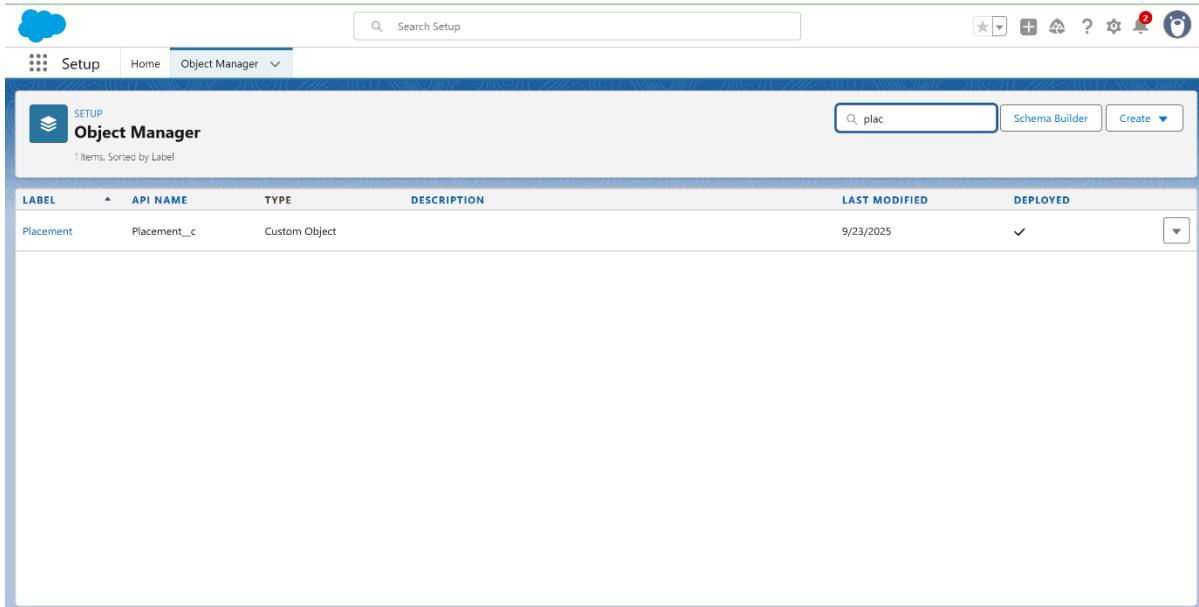


Got it! You want **concise, proper documentation-ready “matter”** for each side heading in **Phase 3: Data Modeling & Relationships**. I’ll rewrite them so you can directly use them in your project documentation.

Phase 3: Data Modeling & Relationships

1. Standard & Custom Objects

- **Standard Objects:**
 - *Account* → Stores company information.
 - *Contact* → Stores recruiter details.
- **Custom Objects:**
 - *Student__c* → Stores student details.
 - *Internship__c* → Stores internship postings and related info.
 - *Application__c* → Tracks applications submitted by students.
 - *Placement__c* → Stores final placement outcomes.



The screenshot shows the Salesforce Object Manager interface. At the top, there are navigation links for Setup, Home, and Object Manager. A search bar contains the text "Search Setup". Below the header, the title "Object Manager" is displayed, along with a note "1 Items. Sorted by Label". A search bar contains the text "plac". On the right, there are buttons for "Schema Builder" and "Create". The main area is a table listing objects. The table has columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. One row is visible, showing "Placement" as the Label, "Placement__c" as the API Name, "Custom Object" as the Type, and "9/23/2025" as the Last Modified date. The Deployed column shows a checkmark and a dropdown arrow.

2. Fields

- Each object contains specific fields to store relevant information.
- Standard fields capture basic details such as Name, Email, and Phone.

- Custom fields are designed to store project-specific data like Course, Graduation Year, Stipend, Resume, and Application Status.
- Proper field design ensures accurate data entry and consistency.
- Well-structured fields also support effective reporting and automation processes.

The screenshot shows the Salesforce Setup interface under 'Object Manager'. The 'Student' object is selected. On the left, a sidebar lists various configuration options: Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scrolling Rules. The main content area is titled 'Fields & Relationships' and displays 15 items, sorted by Field Label. The table includes columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. Key fields shown include Certifications, CGPA/Percentage, Course, Created By, Department, Email, Graduation Year, Last Modified By, Owner, and Phone. The 'Email' field is marked as indexed.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Certifications	Certifications__c	Long Text Area(32768)		
CGPA/Percentage	CGPA_Percentage__c	Number(3, 2)		
Course	Course__c	Picklist		
Created By	CreatedById	Lookup(User)		
Department	Department__c	Picklist		
Email	Email__c	Email (External ID) (Unique)	✓	✓
Graduation Year	Graduation_Year__c	Number(18, 0)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)	✓	
Phone	Phone__c	Phone		

3. Record Types

- Record Types allow differentiation of workflows within the same object.
- In InternLink, they separate **internal and external applications**.
- They also help distinguish between **technical and non-technical internships**.
- Record Types enable customization of **page layouts, picklist values, and processes**.
- They ensure different user roles (e.g., Placement Officer vs Recruiter) see data relevant to them.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search Setup, Home, Object Manager
- Breadcrumb:** SETUP > OBJECT MANAGER
- Section:** Application
- Left sidebar:** Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, **Record Types** (selected), Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules.
- Table:** Record Types (2 items, Sorted by Record Type Label)

RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
External Application	Used by Recruiters to manage external internship applications	✓	MUKKAMALLA VEDHANATH REDDY, 9/21/2025, 3:43 AM
Internal Application	Used for Placement Officers to track internal internship applications	✓	MUKKAMALLA VEDHANATH REDDY, 9/21/2025, 3:39 AM

4. Page Layouts

- Page Layouts define the **structure and order** of fields, sections, and related lists.
- In InternLink, each profile has its **own dedicated layout** (Student, Recruiter, Placement Officer).
- **Students** see academic details and resume information.
- **Recruiters** see internship-related fields (stipend, duration, status, etc.).
- **Placement Officers** see placement and application-related fields.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search Setup, Home, Object Manager
- Breadcrumb:** SETUP > OBJECT MANAGER
- Section:** Application
- Left sidebar:** Details, Fields & Relationships, **Page Layouts** (selected), Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules.
- Table:** Page Layouts (1 items, Sorted by Page Layout Name)

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Application Layout	MUKKAMALLA VEDHANATH REDDY, 9/20/2025, 11:58 PM	MUKKAMALLA VEDHANATH REDDY, 9/23/2025, 11:34 PM

5. Schema Builder

- Schema Builder provides a **visual representation** of the data model.
 - It shows **objects and their relationships** clearly.
 - In InternLink, it helps admins and developers understand how **Student, Company, Internship, Application, and Placement** objects connect.
 - Supports **quick creation of new fields** through drag-and-drop.
 - Allows easy **validation of relationships** within the system.
-

6. Lookup Relationship

- Creates a link between two objects.
- Allows one object to reference another object's record.
- Can be **optional** or **required**.
- Does **not** affect ownership or security of the linked record.
- Example: Application__c → Student__c to link an application to a student.

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. Under the 'Student' object, the 'Fields & Relationships' tab is active. The table lists various fields with their labels, field types, and descriptions:

Field Label	Type	Description	Actions
Email	Email_c	Email (External ID) (Unique)	✓
Graduation Year	Graduation_Year_c	Number(18, 0)	▼
Last Modified By	LastModifiedById	Lookup(User)	▼
Owner	OwnerId	Lookup(User,Group)	✓
Phone	Phone_c	Phone	▼
Preferred Location	Preferred_Location_c	Picklist	▼
Resume	Resume_c	URL(255)	▼
Skills	Skills_c	Text Area(255)	▼
Student Name	Name	Text(80)	✓
Work Experience	Work_Experience_c	Long Text Area(32768)	▼