

InternLink Hub -“A Central Platform for Internships & Placements”

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 page. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager'. A search bar says 'Search Setup' with a placeholder 'plac'. Below the header, the title 'Object Manager' is displayed above a table. The table has columns: 'LABEL', 'API NAME', 'TYPE', 'DESCRIPTION', 'LAST MODIFIED', and 'DEPLOYED'. There is one row for the 'Placement' object, which is a 'Custom Object' last modified on 9/23/2025 and is currently deployed.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Placement	Placement_c	Custom Object		9/23/2025	✓

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.

SETUP > OBJECT MANAGER

Student

Fields & Relationships
15 Items, Sorted by Field Label

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.

SETUP > OBJECT MANAGER

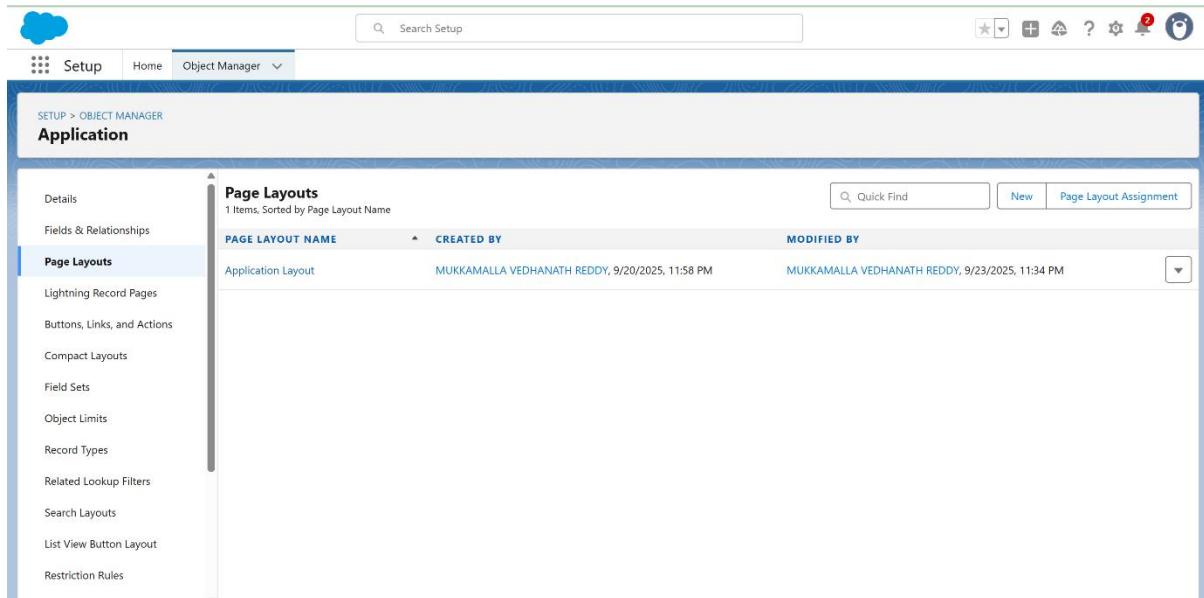
Application

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.



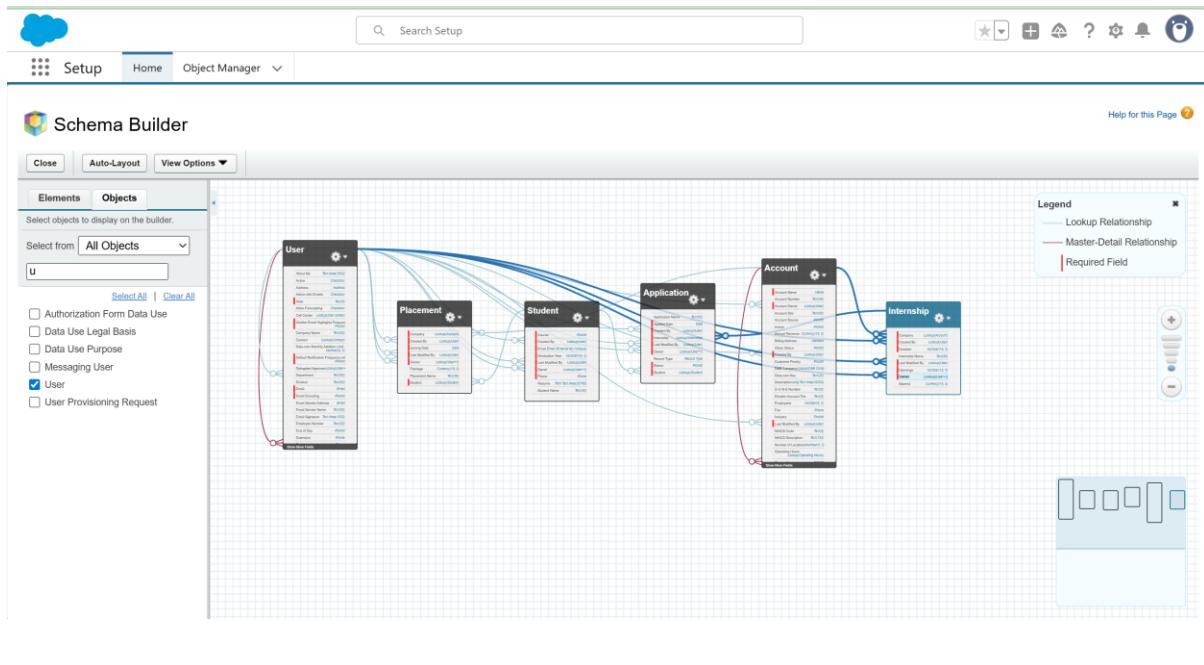
The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Includes a cloud icon, the word "Setup", "Home", "Object Manager", a search bar labeled "Search Setup", and various navigation icons.
- Breadcrumbs:** "SETUP > OBJECT MANAGER Application".
- Left Sidebar:** A vertical list of setup categories including "Page Layouts" (which is selected and highlighted in blue), "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 "Scoping Rules".
- Table:** The main content area displays a table titled "Page Layouts" with the following data:

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 Object Manager in Salesforce Setup, specifically for the 'Student' object. On the left, a sidebar lists various configuration options such as 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 Scoring Rules. The main area is titled 'Fields & Relationships' and contains a table with 15 items, sorted by Field Label. The table includes columns for Field Name, API Name, and Data Type/Description. Each row has a 'Quick Find' button, a 'New' button, a 'Deleted Fields' button, a 'Field Dependencies' button, and a 'Set History Tracking' button. The fields listed are: 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)), and Work Experience (Work_Experience__c, Long Text Area(32768)).