

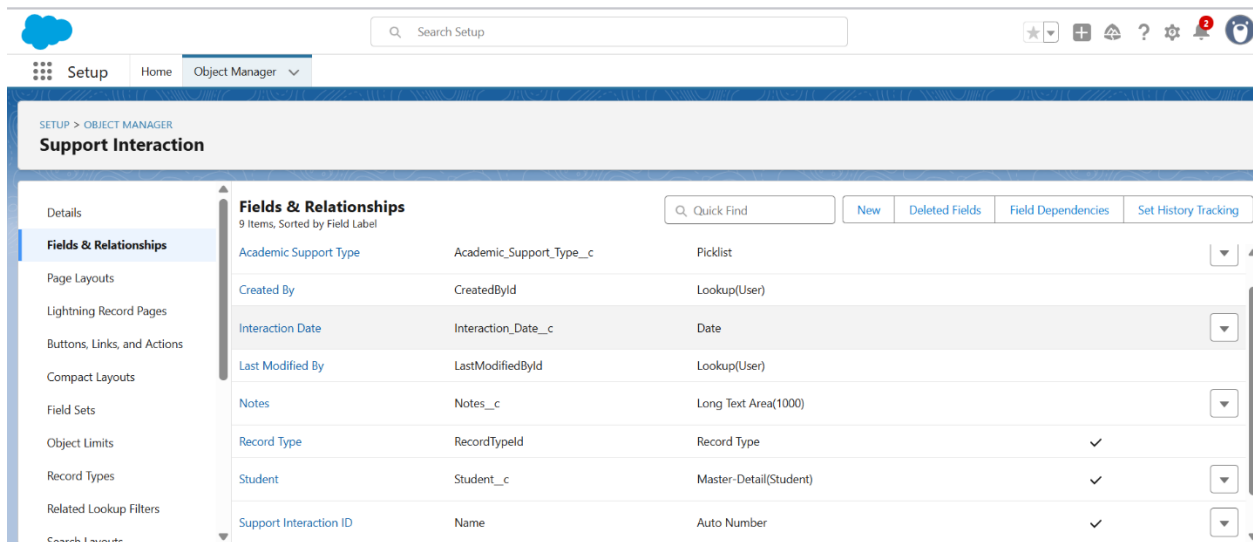
## Phase 3: Data Modeling & Relationships

In this phase we will create a data model which is base for our app.

### 3.1 Custom Objects Creation:

#### 3.1.1 Support Interaction:

- i. Here this object has information about the support that students seek from the faculty.
- ii. Below is the screenshot that has the custom fields and relationships of this object.

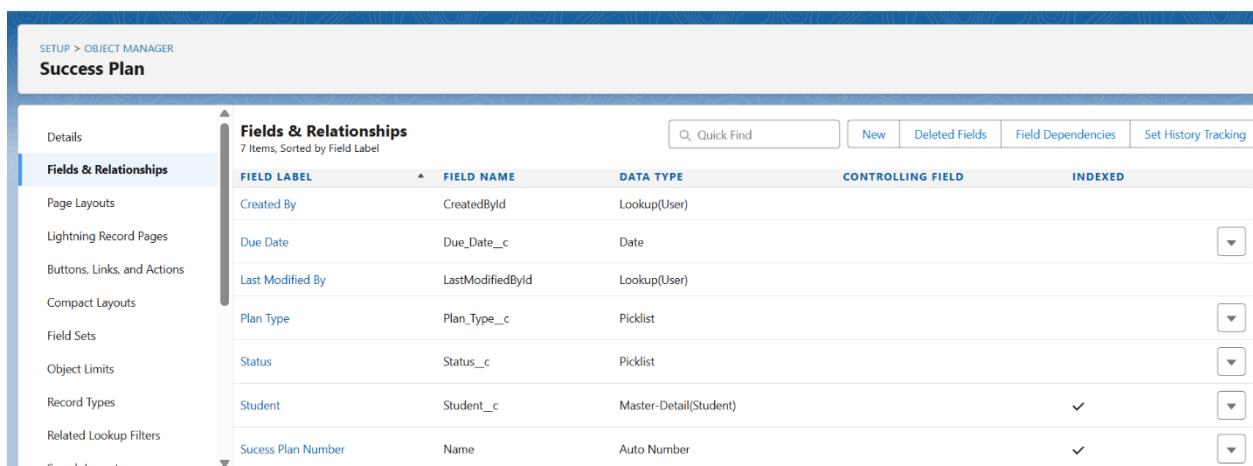


The screenshot shows the Salesforce Setup interface for the 'Support Interaction' object. The left sidebar contains navigation links: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Support Interaction' and 'Fields & Relationships'. It displays a table of 9 fields, sorted by Field Label. The fields are: Academic Support Type (Picklist), Created By (Lookup(User)), Interaction Date (Date), Last Modified By (Lookup(User)), Notes (Long Text Area(1000)), Record Type (Record Type), Student (Master-Detail(Student)), and Support Interaction ID (Auto Number). The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The 'Support Interaction ID' field is highlighted in blue.

Field Label	Field Name	Data Type	Controlling Field	Indexed
Academic Support Type	Academic_Support_Type__c	Picklist		
Created By	CreatedById	Lookup(User)		
Interaction Date	Interaction_Date__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Notes	Notes__c	Long Text Area(1000)		
Record Type	RecordTypeId	Record Type		
Student	Student__c	Master-Detail(Student)		
Support Interaction ID	Name	Auto Number		

#### 3.1.2 Success Plan:

- i. This object has information about the plan created to help student



The screenshot shows the Salesforce Setup interface for the 'Success Plan' object. The left sidebar contains navigation links: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Success Plan' and 'Fields & Relationships'. It displays a table of 7 fields, sorted by Field Label. The fields are: Created By (Lookup(User)), Due Date (Date), Last Modified By (Lookup(User)), Plan Type (Picklist), Status (Picklist), Student (Master-Detail(Student)), and Success Plan Number (Auto Number). The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The 'Success Plan Number' field is highlighted in blue.

Field Label	Field Name	Data Type	Controlling Field	Indexed
Created By	CreatedById	Lookup(User)		
Due Date	Due_Date__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Plan Type	Plan_Type__c	Picklist		
Status	Status__c	Picklist		
Student	Student__c	Master-Detail(Student)		
Success Plan Number	Name	Auto Number		

### 3.1.3 Success Plan Task:

- i. These are the tasks assigned as a part of student plan

SETUP > OBJECT MANAGER

#### Success Plan Task

Details

**Fields & Relationships**  
7 Items, Sorted by Field Label

Q, Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Description	Description__c	Long Text Area(32768)		
Due Date	Due_Date__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Status	Status__c	Picklist		
Success Plan	Success_Plan__c	Master-Detail(Success Plan)		✓
Success Plan Task Number	Name	Auto Number		✓

Page Layouts  
Lightning Record Pages  
Buttons, Links, and Actions  
Compact Layouts  
Field Sets  
Object Limits  
Record Types  
Related Lookup Filters  
Search Layouts

### 3.1.4 Well-being Check-in:

- i. This object asks information about student well being

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#### Well-being Check-in

Details

**Fields & Relationships**  
8 Items, Sorted by Field Label

Q, Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Academic Stress	Academic_Stress__c	Picklist		
Check-in ID	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Date of check	Date_of_check__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Overall Mood	Overall_Mood__c	Picklist		
Owner	OwnerId	Lookup(User,Group)		✓
Student	Student__c	Lookup(Student)		✓

Page Layouts  
Lightning Record Pages  
Buttons, Links, and Actions  
Compact Layouts  
Field Sets  
Object Limits  
Record Types  
Related Lookup Filters  
Restriction Rules

### 3.1.5 Skill: This object describes the skill.

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#### Skill

Details

**Fields & Relationships**  
4 Items, Sorted by Field Label

Q, Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking

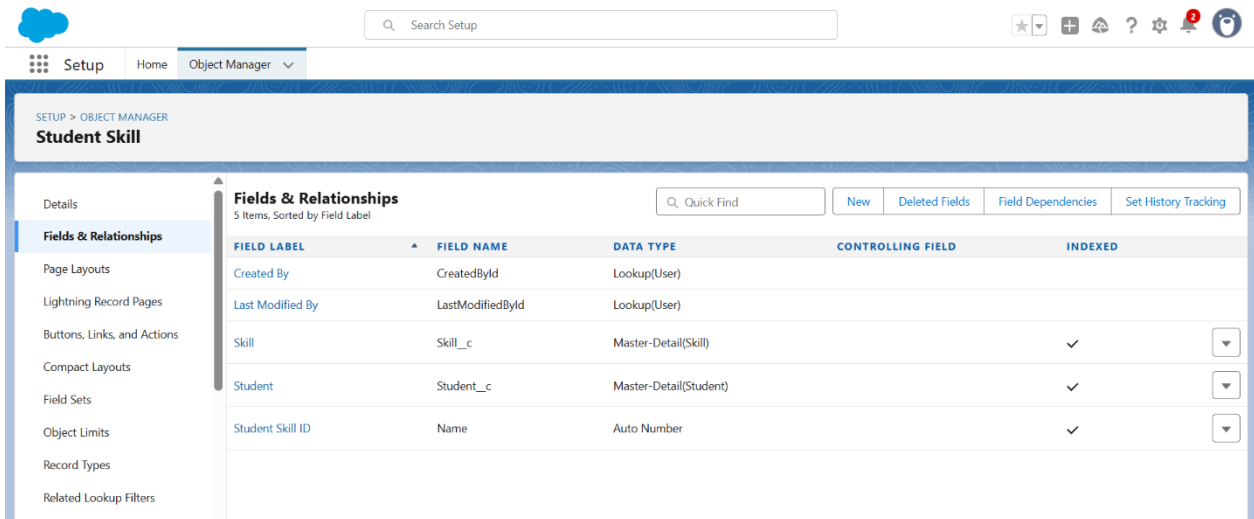
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Skill Name	Name	Text(80)		✓

Page Layouts  
Lightning Record Pages  
Buttons, Links, and Actions  
Compact Layouts  
Field Sets  
Object Limits  
Record Types  
Related Lookup Filters

### 3.2 Junction Objects Creation: this are the objects which act as a mediator between two objects that have many to many relationships

#### 3.2.1 Student Skill:

- i. This object determined the specific skill student has



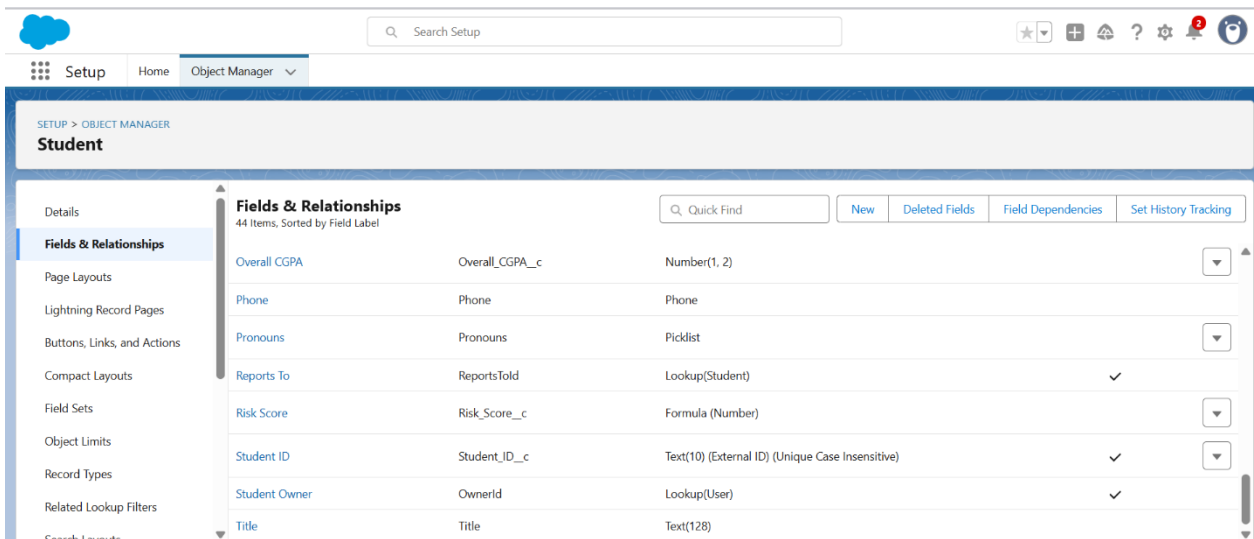
The screenshot shows the Salesforce Setup interface for the 'Student Skill' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Student Skill' and shows 'Fields & Relationships' with 5 items, sorted by Field Label. The table lists fields with their labels, names, data types, controlling fields, and indexed status.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Skill	Skill__c	Master-Detail(Skill)		✓
Student	Student__c	Master-Detail(Student)		✓
Student Skill ID	Name	Auto Number		✓

### 3.3 Standard Object Creation

#### 3.3.1 Student(Contact):

- i. This standard object refers to the student related to southern university



The screenshot shows the Salesforce Setup interface for the 'Student' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Student' and shows 'Fields & Relationships' with 44 items, sorted by Field Label. The table lists fields with their labels, names, data types, and indexed status.

FIELD LABEL	FIELD NAME	DATA TYPE	INDEXED
Overall CGPA	Overall_CGPA__c	Number(1, 2)	
Phone	Phone	Phone	
Pronouns	Pronouns	Picklist	
Reports To	ReportsToId	Lookup(Student)	✓
Risk Score	Risk_Score__c	Formula (Number)	
Student ID	Student_ID__c	Text(10) (External ID) (Unique Case Insensitive)	✓
Student Owner	OwnerId	Lookup(User)	✓
Title	Title	Text(128)	

### 3.4 Page layouts:

- i. The support Interaction object have two type of page layouts one for Well Being and other for Academics.

The screenshot shows the Salesforce Page Layouts configuration for the 'Support Interaction' object. The left sidebar lists various configuration options, with 'Page Layouts' selected. The main area displays a table of three page layouts: 'Academic Support', 'Support Interaction', and 'Well Being Support'. Each row shows the layout name, the creator (Sreenidhi Muthyala), the creation time, and the modification time. A 'Created By' tooltip is visible over the creator name in the first row. The table has columns for 'PAGE LAYOUT NAME', 'CREATED BY', and 'MODIFIED BY'. The 'Support Interaction' layout is highlighted in blue.

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Academic Support	Sreenidhi Muthyala, 9/24/2025, 3:00 PM	Sreenidhi Muthyala, 9/24/2025, 3:35 PM
Support Interaction	Sreenidhi Muthyala, 9/24/2025, 3:08 PM	Sreenidhi Muthyala, 9/24/2025, 3:35 PM
Well Being Support	Sreenidhi Muthyala, 9/24/2025, 3:01 PM	Sreenidhi Muthyala, 9/24/2025, 5:16 PM

- ii. The success Plan has two page layouts based on success plan type

The screenshot shows the Salesforce Page Layouts configuration for the 'Success Plan' object. The left sidebar lists various configuration options, with 'Page Layouts' selected. The main area displays a table of three page layouts: 'Backlog Clearance Plan Layout', 'Placement Preparation', and 'Success Plan Layout'. Each row shows the layout name, the creator (Sreenidhi Muthyala), the creation time, and the modification time. The table has columns for 'PAGE LAYOUT NAME', 'CREATED BY', and 'MODIFIED BY'. The 'Success Plan Layout' is highlighted in blue.

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Backlog Clearance Plan Layout	Sreenidhi Muthyala, 9/23/2025, 1:04 PM	Sreenidhi Muthyala, 9/24/2025, 3:13 PM
Placement Preparation	Sreenidhi Muthyala, 9/23/2025, 12:20 PM	Sreenidhi Muthyala, 9/24/2025, 3:13 PM
Success Plan Layout	Sreenidhi Muthyala, 9/23/2025, 12:55 PM	Sreenidhi Muthyala, 9/24/2025, 3:13 PM

### 3.5 Record Types

Based on the type of records in a object the record types varies

- i. The Success Plan and Support Interaction Objects has two different record types each.

SETUP > OBJECT MANAGER

## Support Interaction

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits

**Record Types**  
2 Items, Sorted by Record Type Label

Q, Quick Find [New](#) [Page Layout Assignment](#)

RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
Academic Support		✓	Sreenidhi Muthyala, 9/24/2025, 3:35 PM
Well-Being Support		✓	Sreenidhi Muthyala, 9/24/2025, 3:35 PM

SETUP > OBJECT MANAGER

## Success Plan

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types**

**Record Types**  
2 Items, Sorted by Record Type Label

Q, Quick Find [New](#) [Page Layout Assignment](#)

RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
Academic Success Plan		✓	Sreenidhi Muthyala, 9/24/2025, 2:48 PM
Placement Success Plan		✓	Sreenidhi Muthyala, 9/24/2025, 2:48 PM

### 3.5 Compact layouts

Setup Home Object Manager

SETUP > OBJECT MANAGER

## Student

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts**
- Field Sets
- Object Limits
- Record Types
- Related Links and Filters

**Compact Layouts**  
2 Items, Sorted by Label

Q, Quick Find [New](#) [Compact Layout Assignment](#)

LABEL	API NAME	PRIMARY	MODIFIED BY	LAST MODIFIED
Student Highlights	Student_Highlights	✓	Sreenidhi Muthyala	9/24/2025, 5:39 PM
System Default	SYSTEM			

### 3.6 Schema Builder

