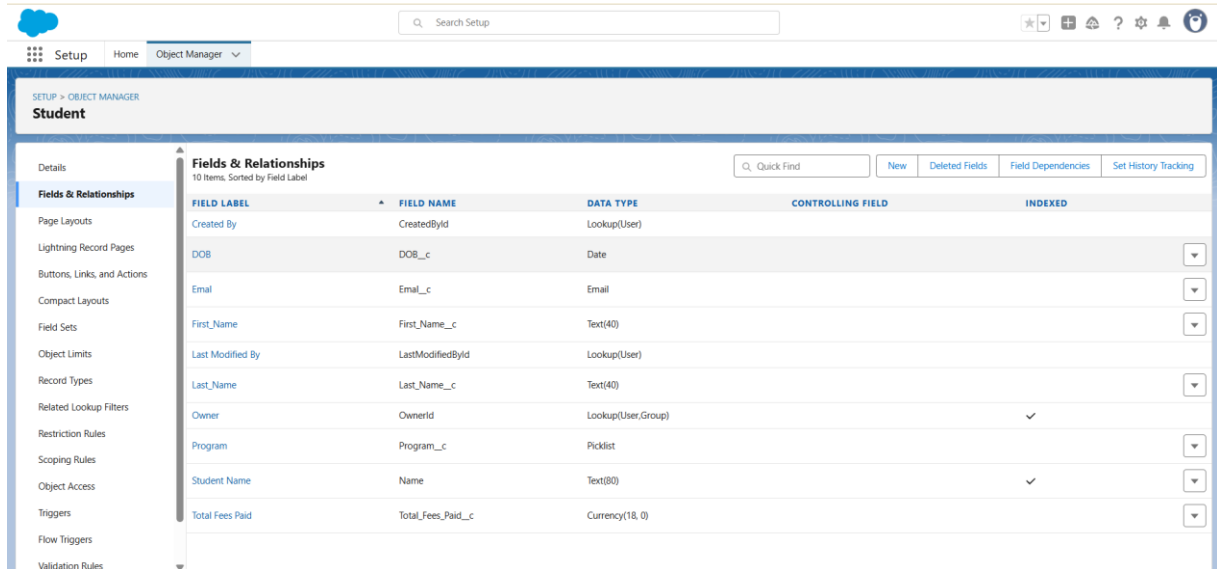


PHASE 3 – DATA MODELING & RELATIONSHIPS

1. Created Standard & Custom Object

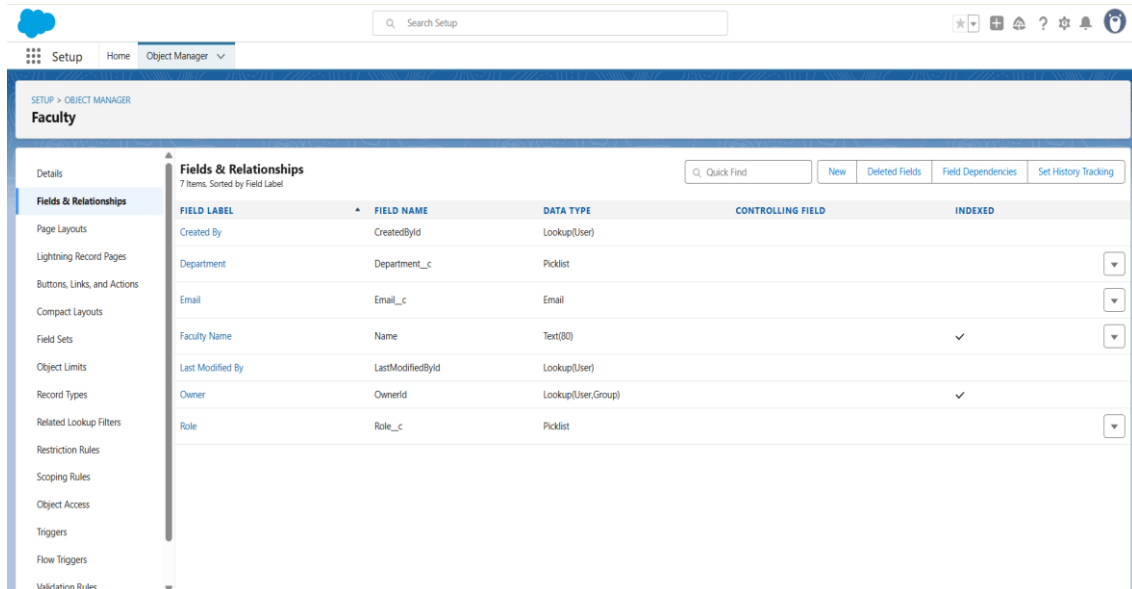
- Student_c



The screenshot shows the Salesforce Setup interface for the 'Student' object. The 'Fields & Relationships' tab is selected, displaying a table of 10 fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields are sorted by Field Label.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
DOB	DOB__c	Date		
Email	Email__c	Email		
First Name	First_Name__c	Text(40)		
Last Modified By	LastModifiedById	Lookup(User)		
Last Name	Last_Name__c	Text(40)		
Owner	OwnerId	Lookup(User,Group)		✓
Program	Program__c	Picklist		
Student Name	Name	Text(80)		✓
Total Fees Paid	Total_Fees_Paid__c	Currency(18, 0)		

- Faculty_c



The screenshot shows the Salesforce Setup interface for the 'Faculty' object. The 'Fields & Relationships' tab is selected, displaying a table of 7 fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields are sorted by Field Label.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Department	Department__c	Picklist		
Email	Email__c	Email		
Faculty Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Role	Role__c	Picklist		

- Library_c

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SETUP > OBJECT MANAGER

Library

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

Validation Rules

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
Book title	Book_title_c	Text(40)		
Created By	CreatedById	Lookup(User)		
Issue Date	Issue_Date_c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Library Name	Name	Text(80)		✓
Owner	OwnerId	Lookup(User,Group)		✓
Return Date	Return_Date_c	Date		

• Fees_c

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Buttons, Links, and Actions

Compact Layouts

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Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

Validation Rules

Fields & Relationships

6 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)		
Fee Name	Name	Text(80)		✓
Fees Amount	Fees_Amount_c	Currency(18, 0)		
Fees Status	Fees_Status_c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

• Exam_c

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SETUP > OBJECT MANAGER

Exam

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

Validation Rules

Fields & Relationships

8 Items. Sorted by Field Label

Q Quick Find

New

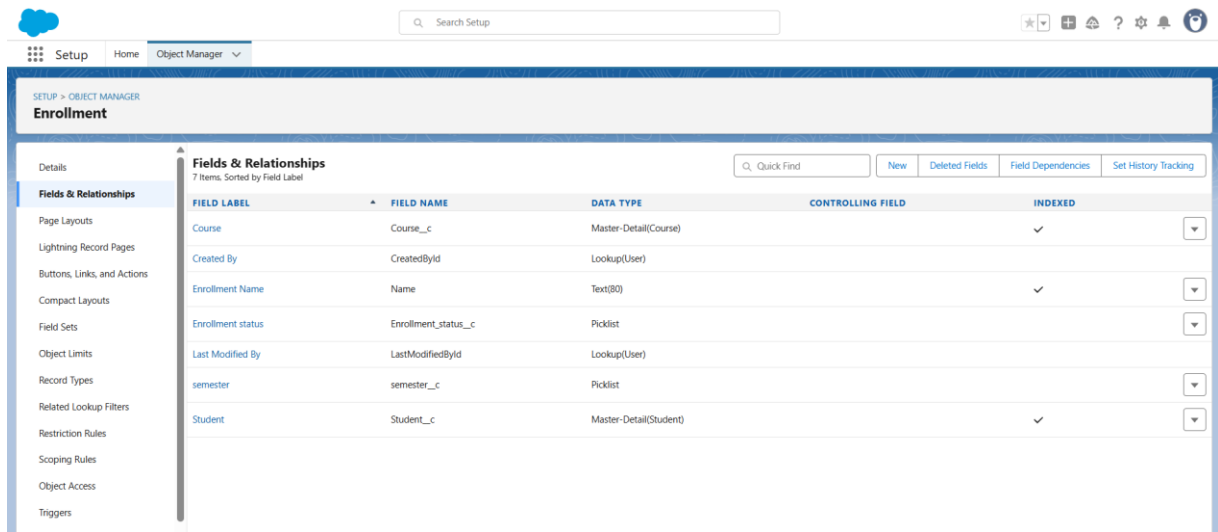
Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course	Course_c	Lookup(Course)		✓
Created By	CreatedById	Lookup(User)		
Exam Date	Exam_Date_c	Date		
Exam Name	Name	Text(30)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Score	Score_c	Number(18, 0)		
Student	Student_c	Lookup(Student)		✓

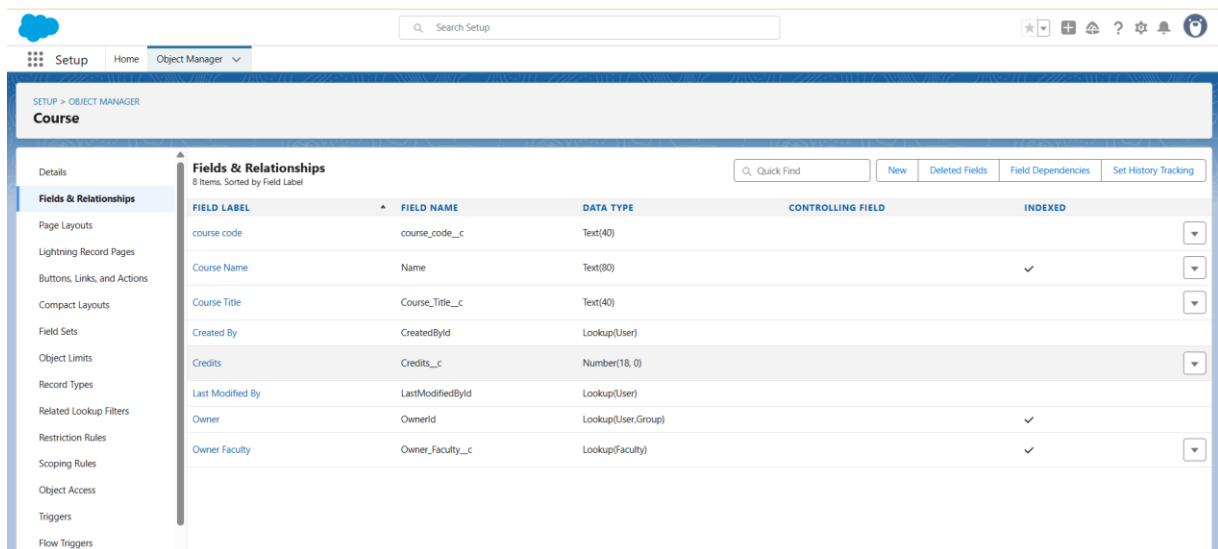
- Enrollment_c



The screenshot shows the 'Enrollment' object configuration in Salesforce Setup. The 'Fields & Relationships' tab is active, displaying a table of 7 fields. The left sidebar contains navigation links for various object configuration options.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course	Course_c	Master-Detail(Course)		✓
Created By	CreatedById	Lookup(User)		
Enrollment Name	Name	Text(80)		✓
Enrollment status	Enrollment_status_c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
semester	semester_c	Picklist		
Student	Student_c	Master-Detail(Student)		✓

- Course_c



The screenshot shows the 'Course' object configuration in Salesforce Setup. The 'Fields & Relationships' tab is active, displaying a table of 8 fields. The left sidebar contains navigation links for various object configuration options.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
course code	course_code_c	Text(40)		
Course Name	Name	Text(80)		✓
Course Title	Course_Title_c	Text(40)		
Created By	CreatedById	Lookup(User)		
Credits	Credits_c	Number(18, 0)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Owner Faculty	Owner_Faculty_c	Lookup(faculty)		✓

2. Page Layouts and Record Types

➤ Created Page Layouts:

- Student_c: Layout shows students info, fees, enrollments, exams.
- Fees_c: Layout shows tstudents fees details+related courses.
- Exam_c: Layout shows credits, semester schedule.

Setup

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Object Manager

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SETUP > OBJECT MANAGER

Exam

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Page Layouts

1 Items. Sorted by Page Layout Name

Q, Quick Find

New

Page Layout Assignment

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Exam Layout	Rasika Bharsakle, 9/29/2025, 4:26 AM	Rasika Bharsakle, 9/29/2025, 5:39 AM

Setup

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SETUP > OBJECT MANAGER

Fee

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Page Layouts

1 Items. Sorted by Page Layout Name

Q, Quick Find

New

Page Layout Assignment

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Fee Layout	Rasika Bharsakle, 9/29/2025, 4:26 AM	Rasika Bharsakle, 9/29/2025, 5:44 AM

Setup

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Student

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

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Field Sets

Object Limits

Record Types

Related Lookup Filters

Page Layouts

1 Items. Sorted by Page Layout Name

Q, Quick Find

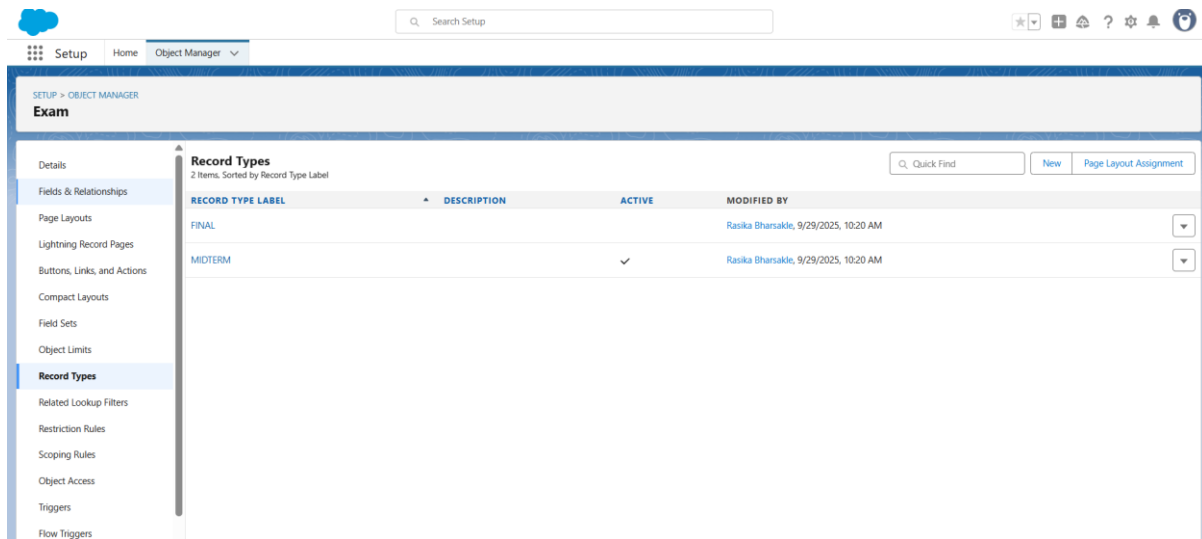
New

Page Layout Assignment

PAGE LAYOUT NAME	CREATED BY	MODIFIED BY
Student Layout	Rasika Bharsakle, 9/29/2025, 4:24 AM	Rasika Bharsakle, 9/29/2025, 5:36 AM

➤ Created Record Types

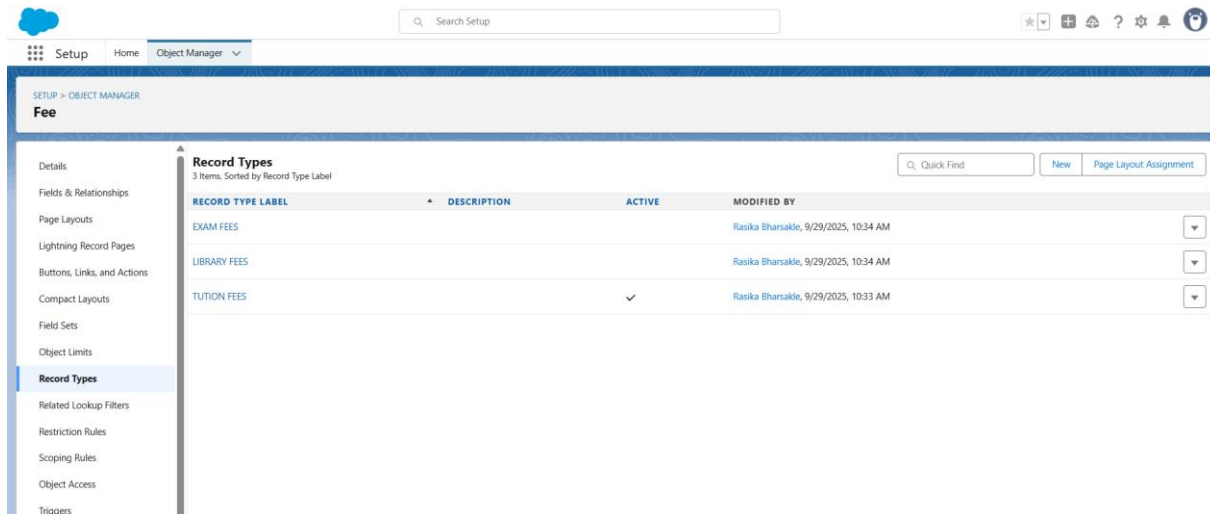
- Exam_c



The screenshot shows the Salesforce Setup interface for the 'Exam' 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 (selected), Related Lookup Filters, Restriction Rules, Scoping Rules, Object Access, Triggers, and Flow Triggers. The main content area is titled 'Record Types' and shows 2 items sorted by Record Type Label. The table has columns for Record Type Label, Description, Active, and Modified By.

RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
FINAL			Rasika Bharsakle, 9/29/2025, 10:20 AM
MIDTERM		✓	Rasika Bharsakle, 9/29/2025, 10:20 AM

- Fees_c



The screenshot shows the Salesforce Setup interface for the 'Fee' 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 (selected), Related Lookup Filters, Restriction Rules, Scoping Rules, Object Access, Triggers, and Flow Triggers. The main content area is titled 'Record Types' and shows 3 items sorted by Record Type Label. The table has columns for Record Type Label, Description, Active, and Modified By.

RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
EXAM FEES			Rasika Bharsakle, 9/29/2025, 10:34 AM
LIBRARY FEES			Rasika Bharsakle, 9/29/2025, 10:34 AM
TUTION FEES		✓	Rasika Bharsakle, 9/29/2025, 10:33 AM

4. Compact Layouts

- **Student_c Compact Layout:** Student name, Roll no, Course, fee status.
- **Faculty_c Compact Layout:** Faculty name, Department, courses assigned.
- **Course_c Compact Layout:** Course name, Credits, Faculty assigned.

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Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Student Compact Layout

Student

Back to Student

Help for this Page

Compact Layout Detail

Label Student

API Name Student

Included Fields Student Name, DOB, Total Fees Paid, Program

Created By Basika Bharsakle 9/29/2025, 10:44 AM

Modified By Basika Bharsakle 9/29/2025, 10:44 AM

Object Name Student

Edit Clone Delete Compact Layout Assignment

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Faculty

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Faculty Compact Layout

Faculty

Back to Faculty

Help for this Page

Compact Layout Detail

Label Faculty

API Name Faculty

Included Fields Faculty Name, Email, Role

Created By Basika Bharsakle 9/29/2025, 10:46 AM

Modified By Basika Bharsakle 9/29/2025, 10:46 AM

Object Name Faculty

Edit Clone Delete Compact Layout Assignment

Setup

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SETUP > OBJECT MANAGER

Course

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Course Compact Layout

Course

Back to Course

Help for this Page

Compact Layout Detail

Label Course

API Name Course

Included Fields course code, Course Title, Owner Faculty

Created By Basika Bharsakle 9/29/2025, 11:03 AM

Modified By Basika Bharsakle 9/29/2025, 11:03 AM

Object Name Course

Edit Clone Delete Compact Layout Assignment

Course Compact Layout: Course - Salesforce - Developer Edition

5.Schema Builder Visualization:

A drag and drop diagram to visualize & create objects, fields and relationships.

