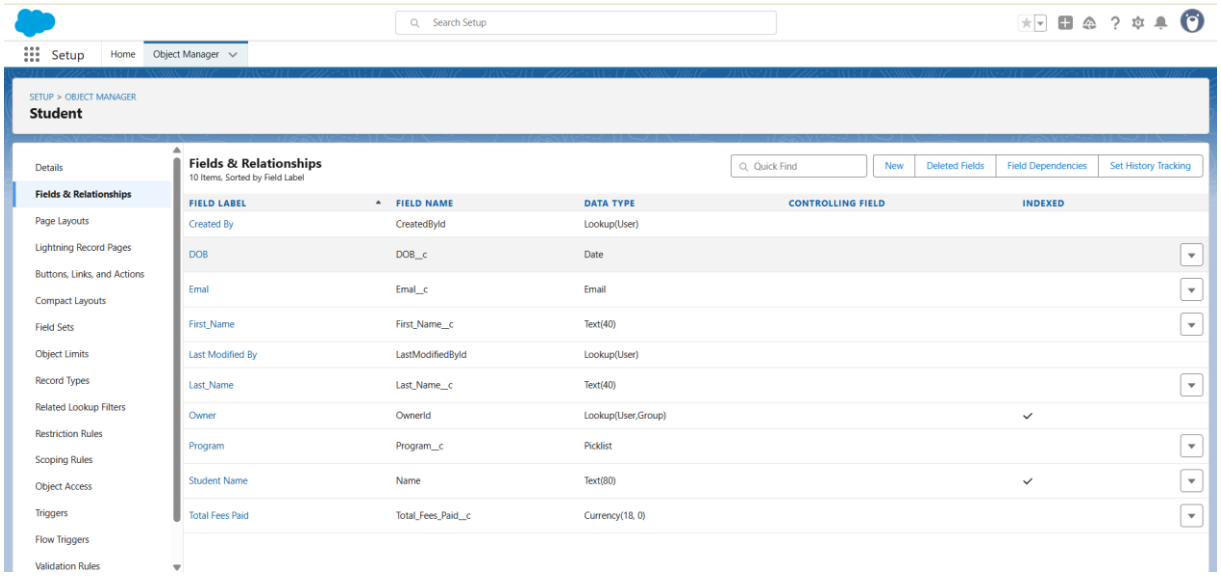
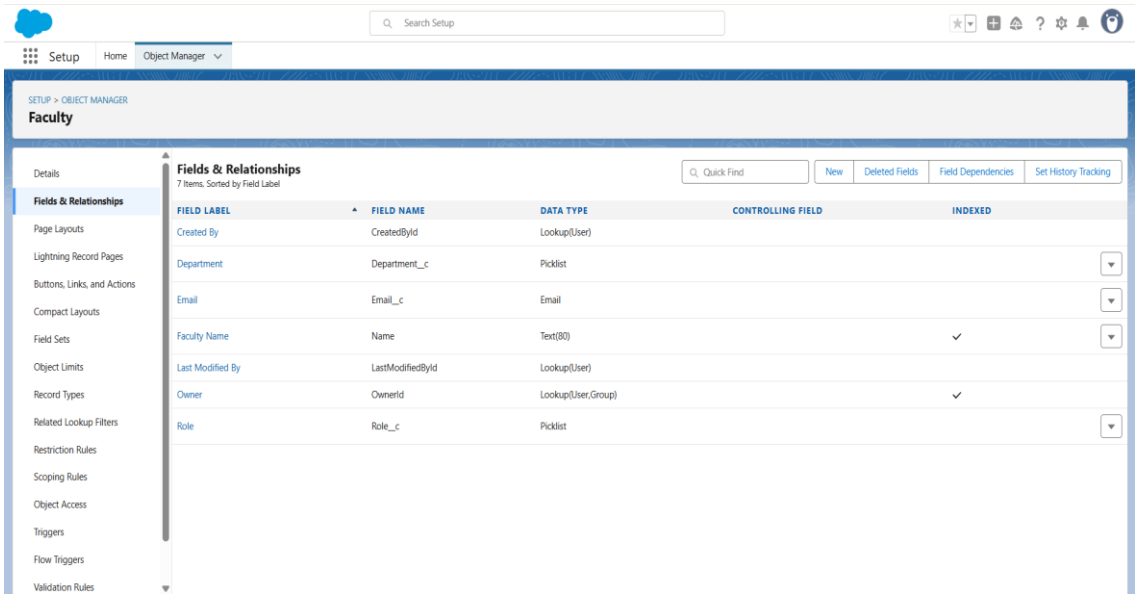
PHASE 3 – DATA MODELING & RELATIONSHIPS

1. Created Standard &Custom Object

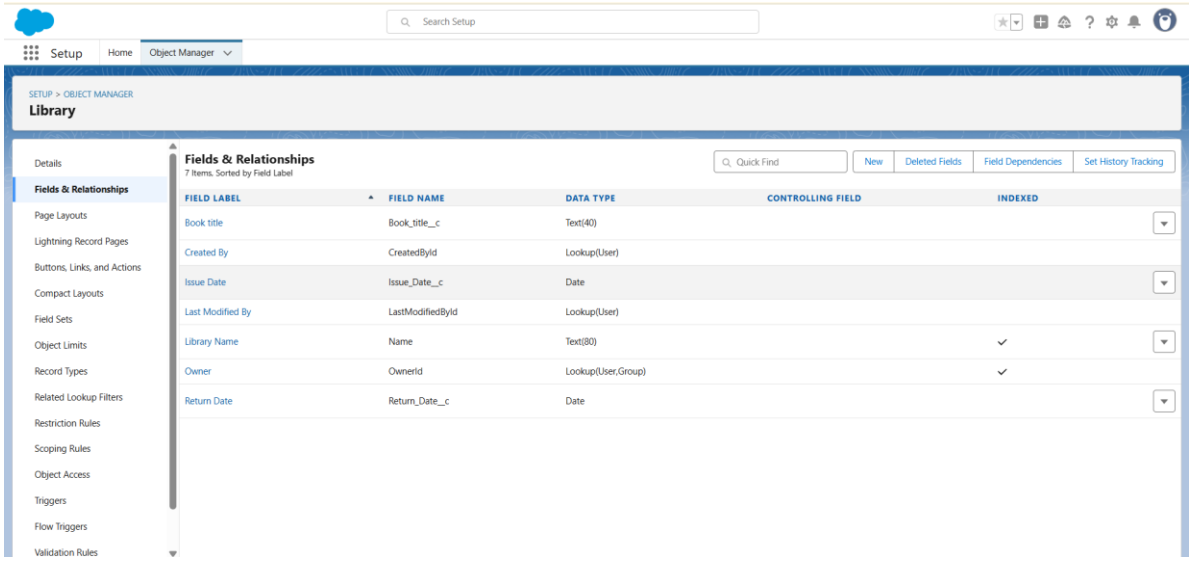
- Student_c



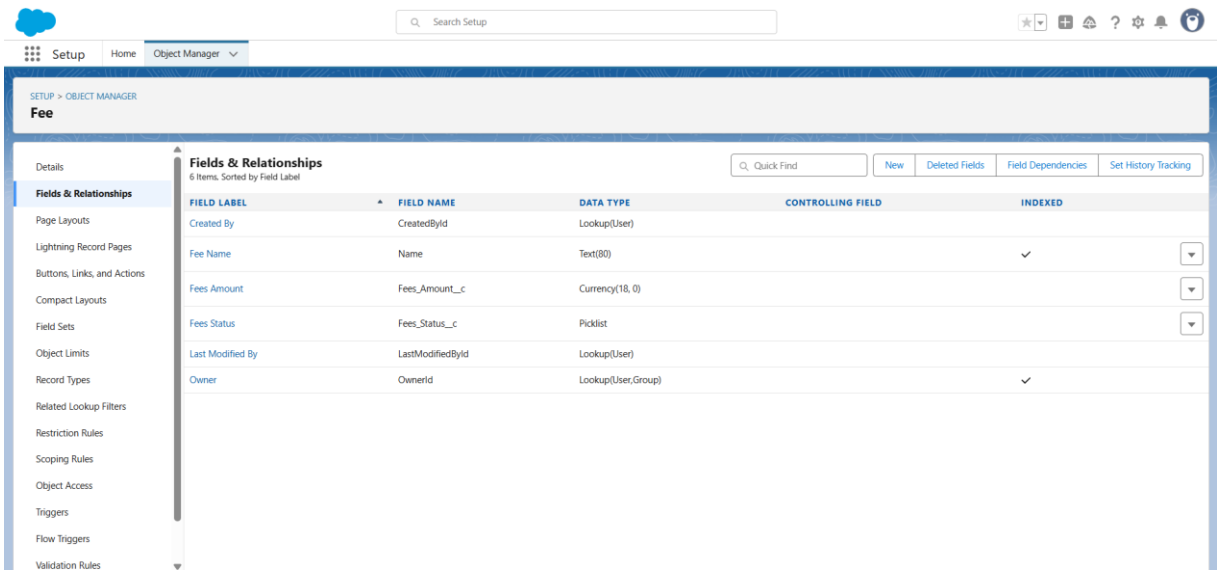
- Faculty_c



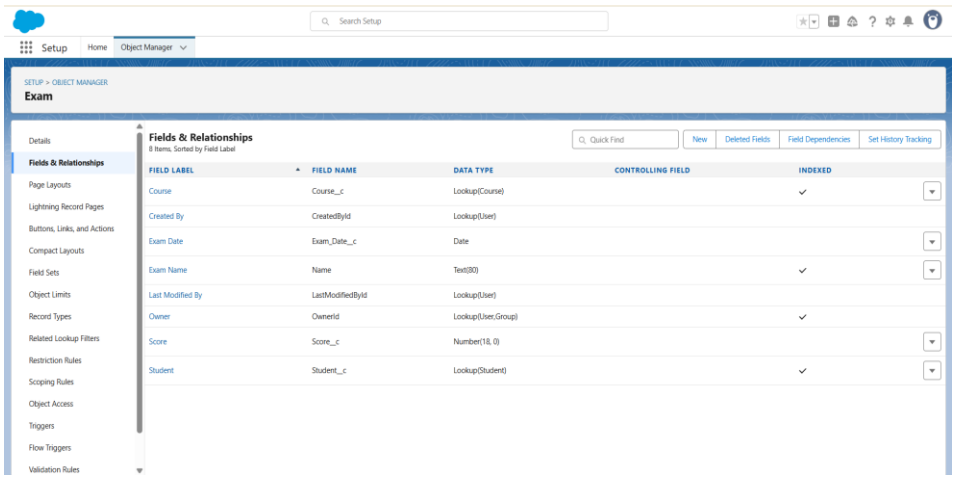
- Library_c


Search Setup
Setup
Home
Object Manager
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
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

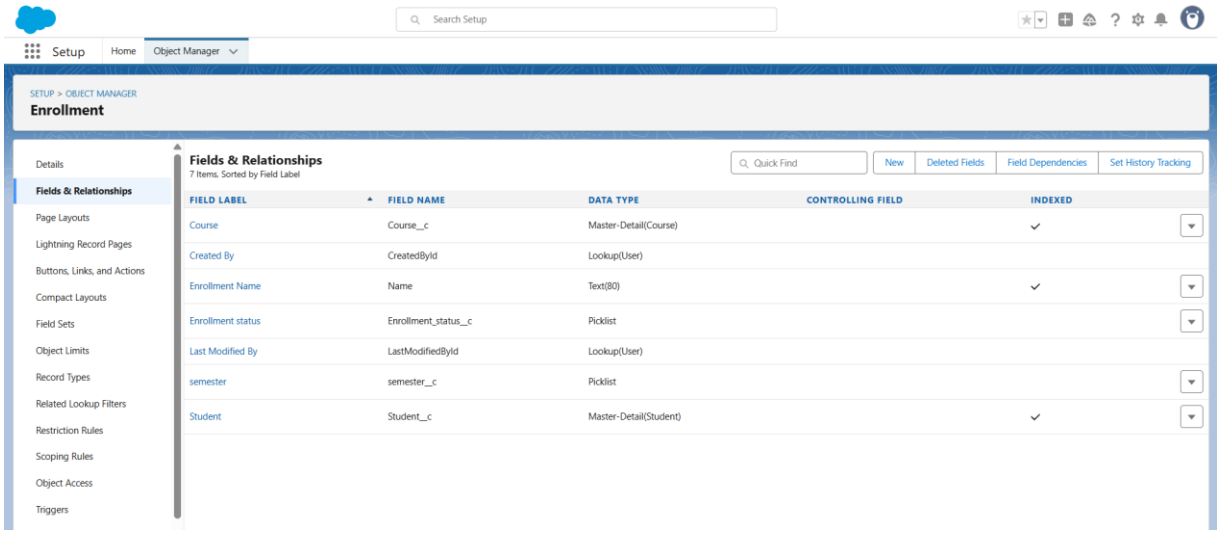
- Fees_c


Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Fee
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
6 Items, Sorted by Field Label
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)

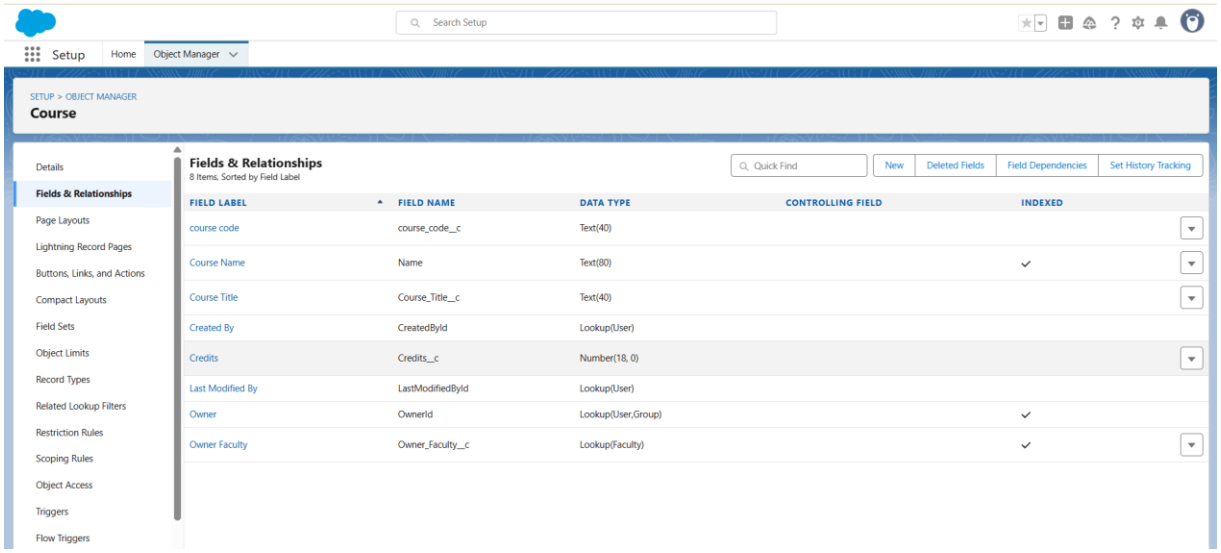
- Exam_c


Search Setup
Setup
Home
Object Manager
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
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(80)
Last Modified By
LastModifiedById
Lookup(User)
Owner
OwnerId
Lookup(User,Group)
Score
Score__c
Number(18, 0)
Student
Student__c
Lookup(Student)

- Enrollment_c

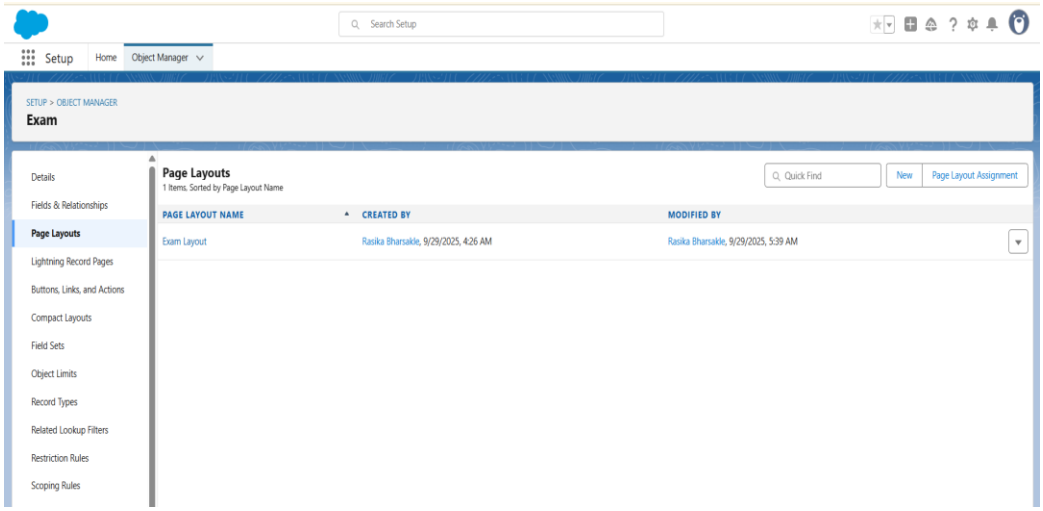


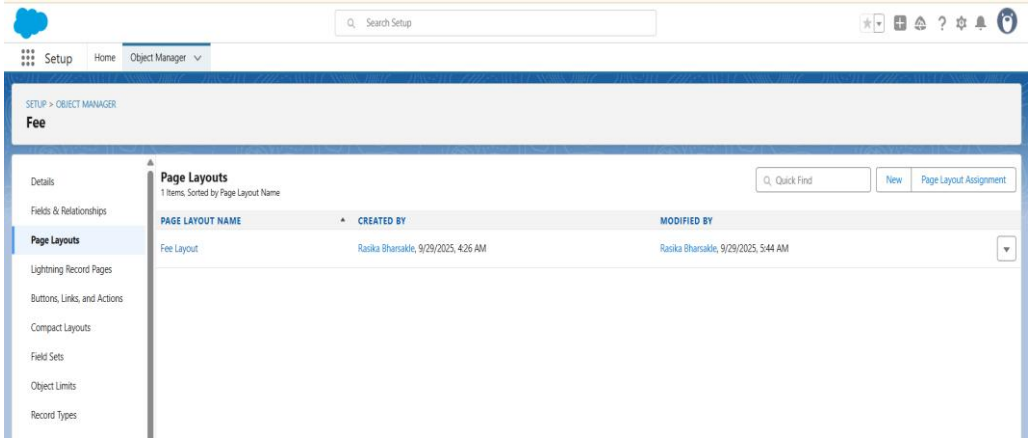
- Course_c



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.


Search Setup
Setup
Home
Object Manager
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
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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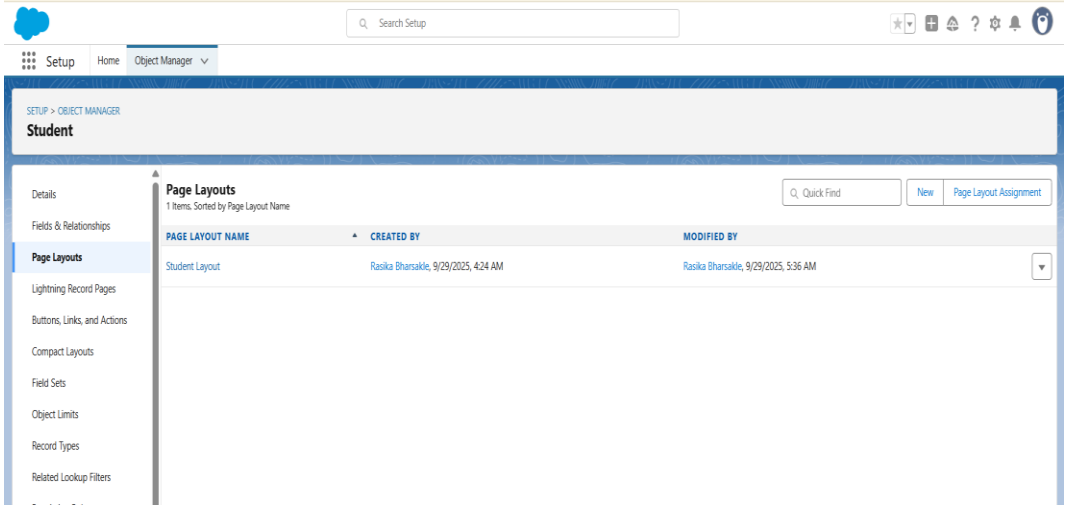
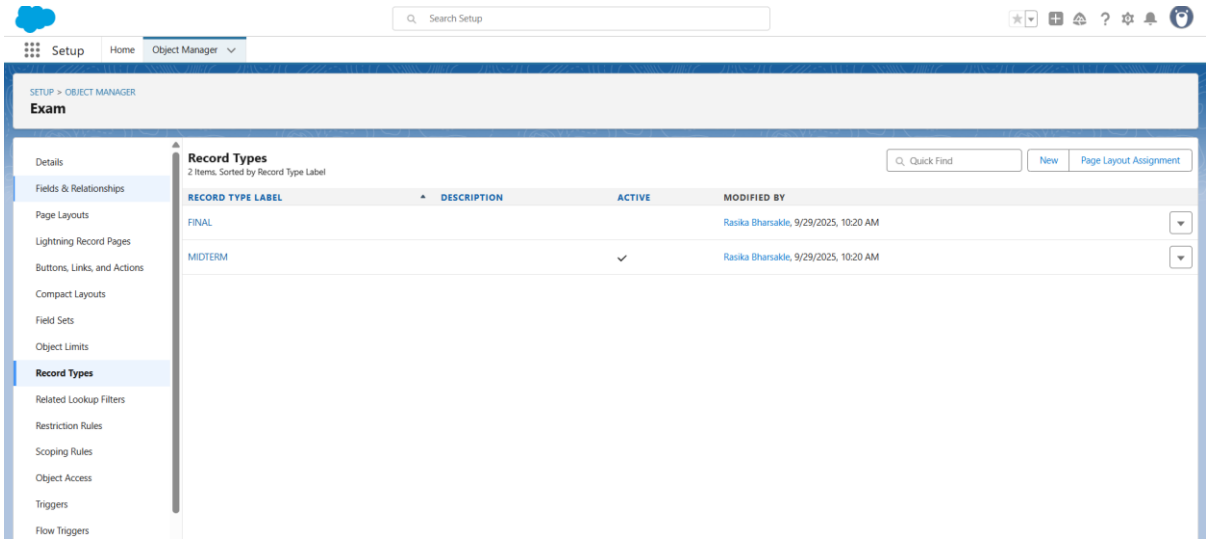
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Fee
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Page Layouts
1 Items, Sorted by Page Layout Name
Quick Find
New
Page Layout Assignment
PAGE LAYOUT NAME
CREATED BY
MODIFIED BY
Fee Layout
Rasika Bharsakle, 9/29/2025, 4:26 AM
Rasika Bharsakle, 9/29/2025, 5:44 AM

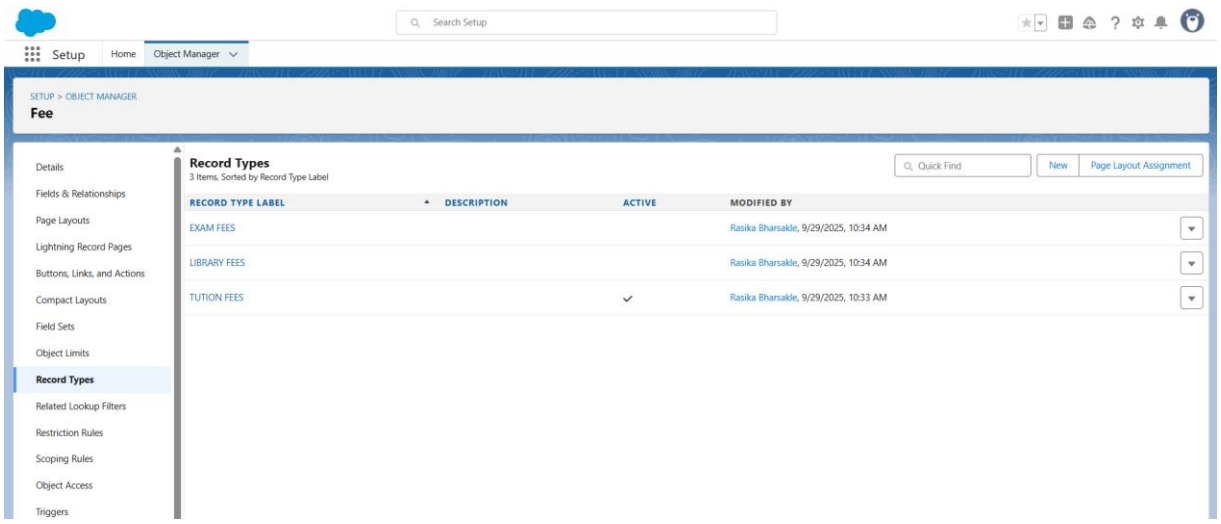

Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Student
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Page Layouts
1 Items, Sorted by Page Layout Name
Quick Find
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

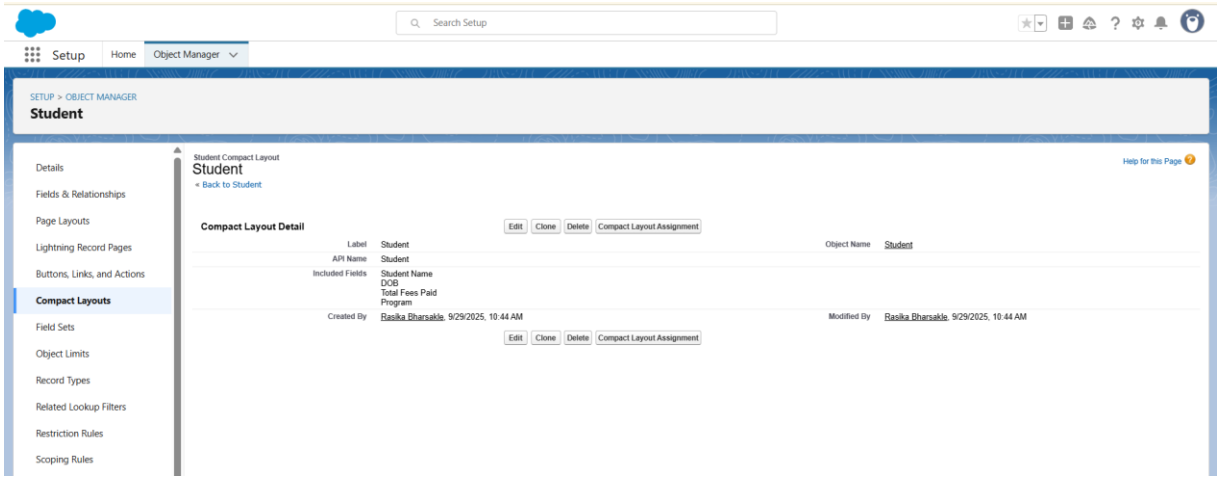


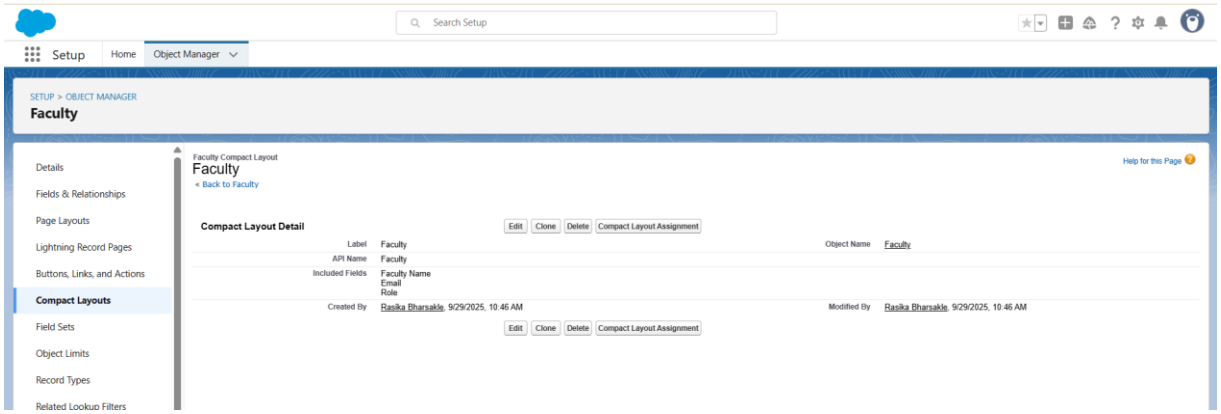
- Fees_c

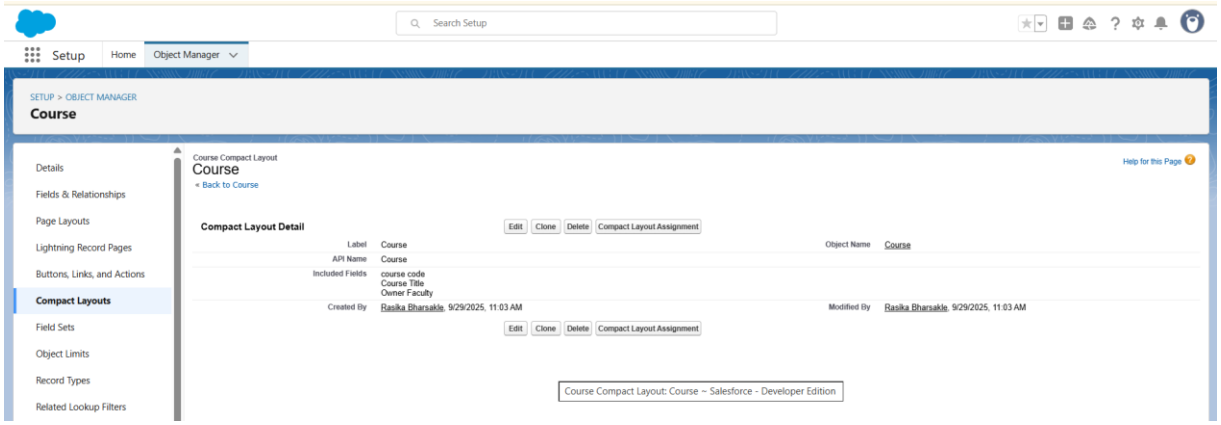


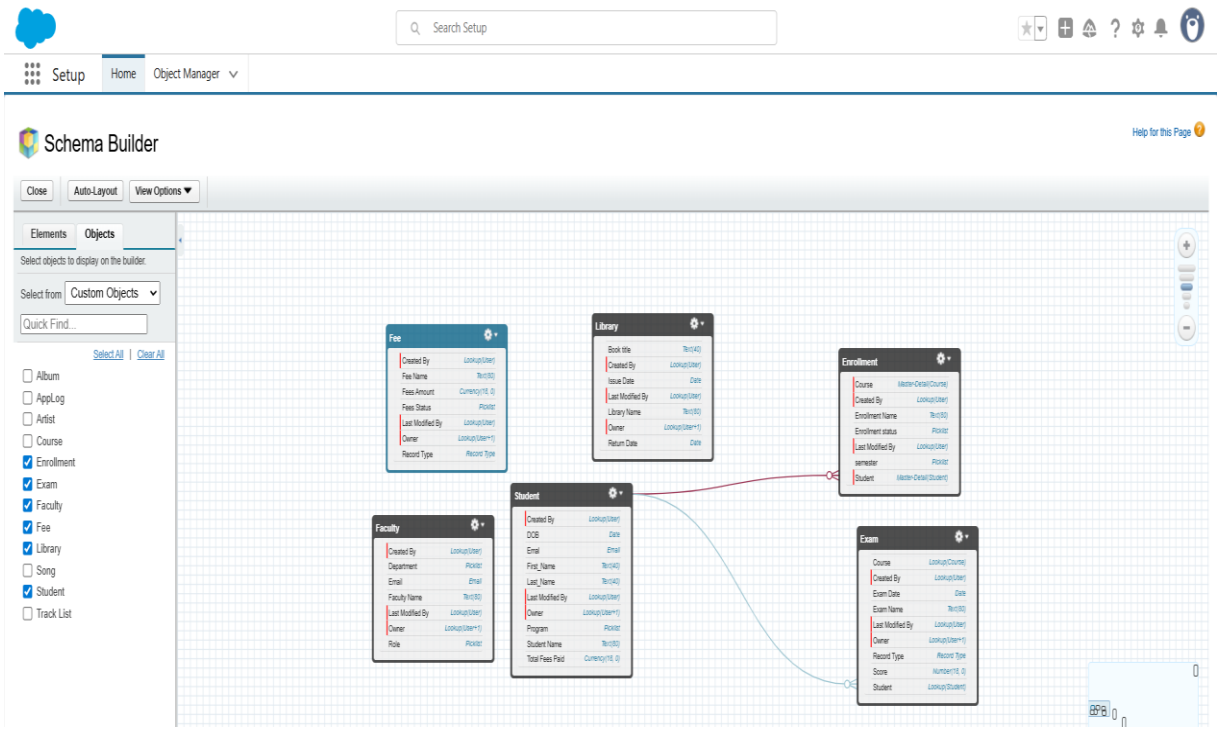
4. Compact Layouts

- **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.


Search Setup
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 Lookup Filters
Restriction Rules
Scoping Rules
Student Compact Layout
Student
« Back to Student
Help for this Page
Compact Layout Detail
Edit
Clone
Delete
Compact Layout Assignment
Label
Student
Object Name
Student
API Name
Student
Included Fields
Student Name
DOB
Total Fees Paid
Program
Created By
Rasika Bharsakle, 9/29/2025, 10:44 AM
Modified By
Rasika Bharsakle, 9/29/2025, 10:44 AM


Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Faculty
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
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
Edit
Clone
Delete
Compact Layout Assignment
Label
Faculty
Object Name
Faculty
API Name
Faculty
Included Fields
Faculty Name
Email
Role
Created By
Rasika Bharsakle, 9/29/2025, 10:46 AM
Modified By
Rasika Bharsakle, 9/29/2025, 10:46 AM


Search Setup
Setup
Home
Object Manager
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
Edit
Clone
Delete
Compact Layout Assignment
Label
Course
Object Name
Course
API Name
Course
Included Fields
course code
Course Title
Owner Faculty
Created By
Rasika Bharsakle, 9/29/2025, 11:03 AM
Modified By
Rasika Bharsakle, 9/29/2025, 11:03 AM
Course Compact Layout: Course ~ Salesforce - Developer Edition

5.Schema Builder Visualization:

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