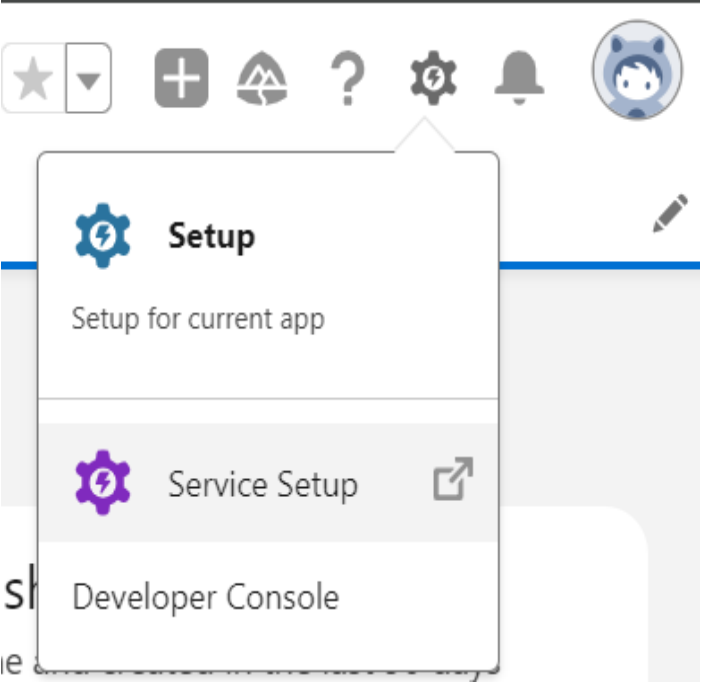


Cloud Computing (A-4)

Problem Statement :- Design and develop custom Application (Mini Project) using Salesforce Cloud.

Application :- Student Library Management System

Step 1 :-



Step 2:-

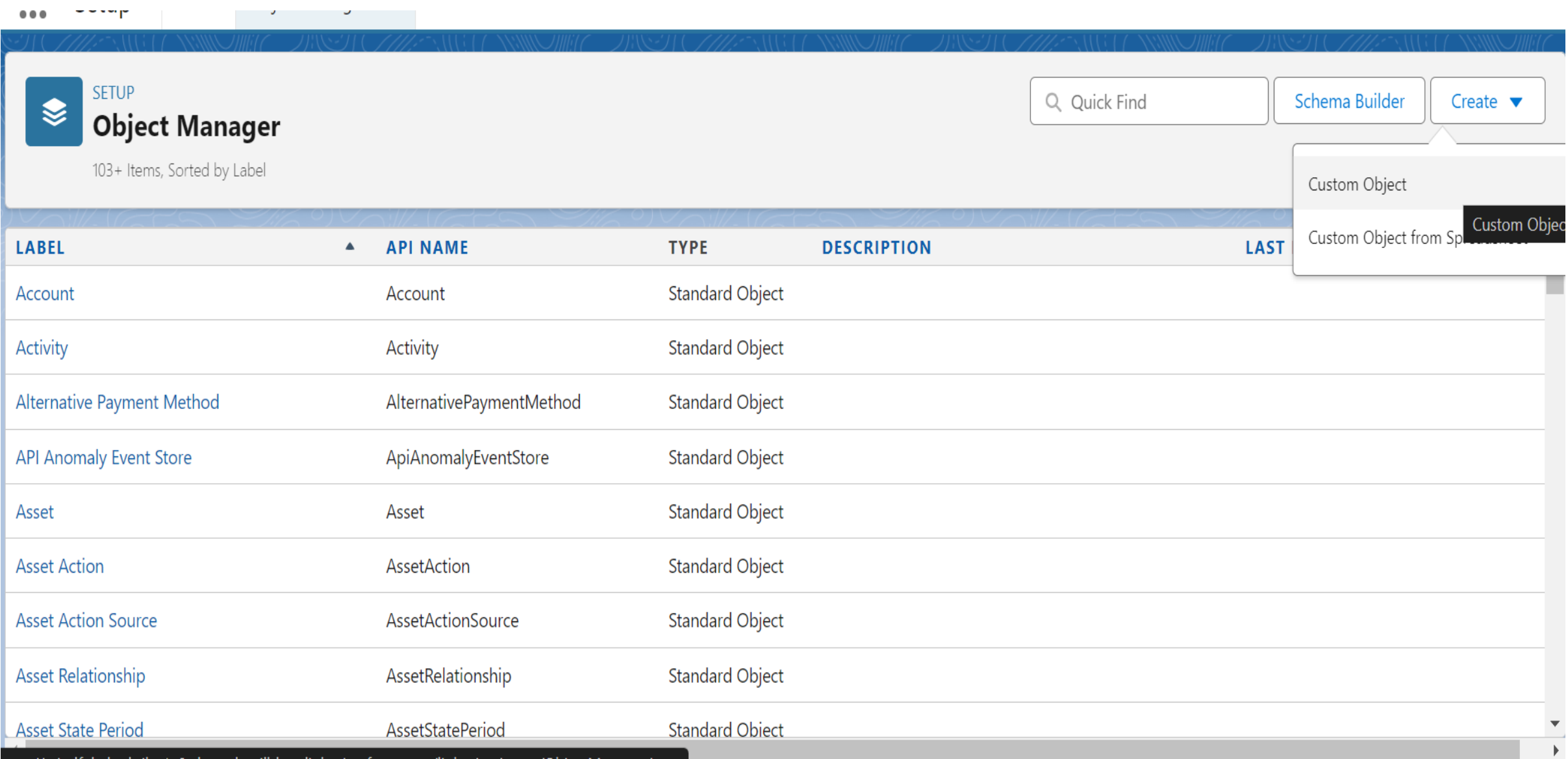
Create custom object.

Means create a table.

Two tables are required

1) Student table

2) Book table



1) Student table

New Custom Object

Permissions for this object are disabled for all profiles by default. You can enable object permissions in permission sets or by editing custom profiles. [Tell me more!](#) [Don't show this message again](#)

Custom Object Definition Edit

Save

Save & New

Cancel

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports.

Label

student

Example: Account

Plural Label

students

Example: Accounts

Starts with vowel sound

☐

The Object Name is used when referencing the object via the API.

Object Name

student

Example: Account

Description

students are issues books

Context-Sensitive Help Setting

☒ Open the standard Salesforce.com Help & Training window

☐ Open a window using a Visualforce page

Content Name

--None--

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name

student Name

Example: Account Name

Data Type

Text

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name

student Name

Example: Account Name

Data Type

Text

Optional Features

☐ Allow Reports

☐ Allow Activities

☐ Track Field History

☐ Allow in Chatter Groups

☐ Enable Licensing [i](#)

Object Classification

When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more.](#)

☒ Allow Sharing

☒ Allow Bulk API Access

☒ Allow Streaming API Access

Deployment Status

☐ In Development

☒ Deployed

Search Status

When this setting is enabled, your users can find records of this object type when they search. [Learn more.](#)

☐ Allow Search

Object Creation Options (Available only when custom object is first created)

☐ Add Notes and Attachments related list to default page layout

☐ Launch New Custom Tab Wizard after saving this custom object

Save

Save & New

Cancel

Details	
Description	
students are issues books	
API Name	student__c
Custom	✓
Singular Label	student
Plural Label	students
Enable Reports	
Track Activities	
Track Field History	
Deployment Status	
Deployed	
Help Settings	
Standard salesforce.com Help Window	

2) Book table

New Custom Object

Permissions for this object are disabled for all profiles by default. You can enable object permissions in permission sets or by editing custom profiles. [Tell me more!](#) [Don't show this message again](#)

Custom Object Definition Edit

Save

Save & New

Cancel

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports.

Label

Book

Example: Account

Plural Label

Books

Example: Accounts

Starts with vowel sound

☐

The Object Name is used when referencing the object via the API.

Object Name

Book

Example: Account

Description

Add Book name

Context-Sensitive Help Setting

☒ Open the standard Salesforce.com Help & Training window

☐ Open a window using a Visualforce page

Content Name

--None--

Description

Add Book name

API Name

Book__c

Custom

✓

Singular Label

Book

Plural Label

Books

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Step 3 :-

Add field to the table

Student

i) Field name :- Class

Field Label

Class

Please enter the maximum length for a text field below.

Length

10

Field Name

Class

Description

Add year of student

Help Text

Required

☐ Always require a value in this field in order to save a record

Unique

☐ Do not allow duplicate values

☒ Treat "ABC" and "abc" as duplicate values (case insensitive)

☐ Treat "ABC" and "abc" as different values (case sensitive)

External ID

☐ Set this field as the unique record identifier from an external system

Auto add to custom report type

☒ Add this field to existing custom report types that contain this entity

Field Label	Class
Data Type	Text
Field Name	Class
Description	Add year of student

Book

i) Field name :- Author name

Step 2. Enter the details

Field Label

Author name

Please enter the maximum length for a text field below.

Length

20

Field Name

Author_name

Description

we can add author name

Help Text

Required

☒ Always require a value in this field in order to save a record

Unique

☐ Do not allow duplicate values

☒ Treat "ABC" and "abc" as duplicate values (case insensitive)

☐ Treat "ABC" and "abc" as different values (case sensitive)

External ID

☐ Set this field as the unique record identifier from an external system

Auto add to custom report type

☒ Add this field to existing custom report types that contain this entity

Step 4. Add to page layouts

Previous

Field Label Author name
Data Type Text
Field Name Author_name
Description we can add author name

Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout.

To change the location of this field on the page, you will need to customize the page layout.

Add Field	Page Layout Name
<input checked="" type="checkbox"/>	student Layout

When finished, click Save & New to create more custom fields, or click Save if you are done.

ii) Field name :- Publisher

Field Label ⓘ

Please enter the maximum length for a text field below.

Length

Field Name ⓘ

Description

Help Text ⓘ

Required ☐ Always require a value in this field in order to save a record

Unique ☐ Do not allow duplicate values

☒ Treat "ABC" and "abc" as duplicate values (case insensitive)
☐ Treat "ABC" and "abc" as different values (case sensitive)

External ID ☐ Set this field as the unique record identifier from an external system

Auto add to custom report type ☒ Add this field to existing custom report types that contain this entity ⓘ

Field Label Publisher
Data Type Text
Field Name Publisher
Description

Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout.

To change the location of this field on the page, you will need to customize the page layout.

<input checked="" type="checkbox"/> Add Field	Page Layout Name
<input checked="" type="checkbox"/>	student Layout

When finished, click Save & New to create more custom fields, or click Save if you are done.

Step 4 :-

Create tab

Go to setup and select tabs

Student

New Custom Object Tab

Step 1. Enter the Details


Choose the custom object for this new custom tab. Fill in other details.


Select an existing custom object or [create a new custom object now.](#)

Object

student

Tab Style

Pencil



(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.

Splash Page Custom Link

--None--

Enter a short description.

Description

Book

New Custom Object Tab

Step 1. Enter the Details


Choose the custom object for this new custom tab. Fill in other details.


Select an existing custom object or [create a new custom object now.](#)

Object

Book

Tab Style

Books





(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.

Splash Page Custom Link

--None--

Enter a short description.

Description

Custom Object Tabs			New	What Is This?
Action	Label	Tab Style		
Edit Del	<u>Books</u>	 Books		
Edit Del	<u>students</u>	 Pencil		

Step 5 :-

- Create app
- Go to setup and select app manager
- Create new lightning app

New Lightning App

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.


App Details

* App Name ⓘ
Library Management System


* Developer Name ⓘ
Library_Management_System

Description ⓘ
Enter a description...

App Branding

Image ⓘ

Clear

Primary Color Hex Value ⓘ

 ▼ #0070D2

Org Theme Options
☐ Use the app's image and color instead of the org's

New Lightning App

Type to filter list...

Consumption Schedules

Contact Point Consent

Contact Point Type Consent

Contact Requests

Content

Contract Line Items

Contracts

Credit Memos

Customers

Data Use Legal Basis

▶

◀

students

Books

Dashboards

Contacts

✓

✓

✓

○

New Lightning App

User Profiles

Choose the user profiles that can access this app.

Available Profiles

Selected Profiles

systeme

▶

◀

System Administrator

✓

✓


✓

✓

○

Step 6:-

Add records

 student


Sakshi

Related

Details


student Name

Sakshi




Author name

Sudha Murthy




Publisher





Class

TE




Owner


 [Sakshi Amrutkar](#)




Created By

 [Sakshi Amrutkar](#), 04/04/2024, 11:19 pm

Last Modified By

 [Sakshi Amrutkar](#), 04/04/2024, 11:19 pm

 Book


It ends with us

Related


Details


Book Name

It ends with us




Owner


 [Sakshi Amrutkar](#)



Created By

 [Sakshi Amrutkar](#), 04/04/2024, 11:20 pm

Last Modified By

 [Sakshi Amrutkar](#), 04/04/2024, 11:20 pm