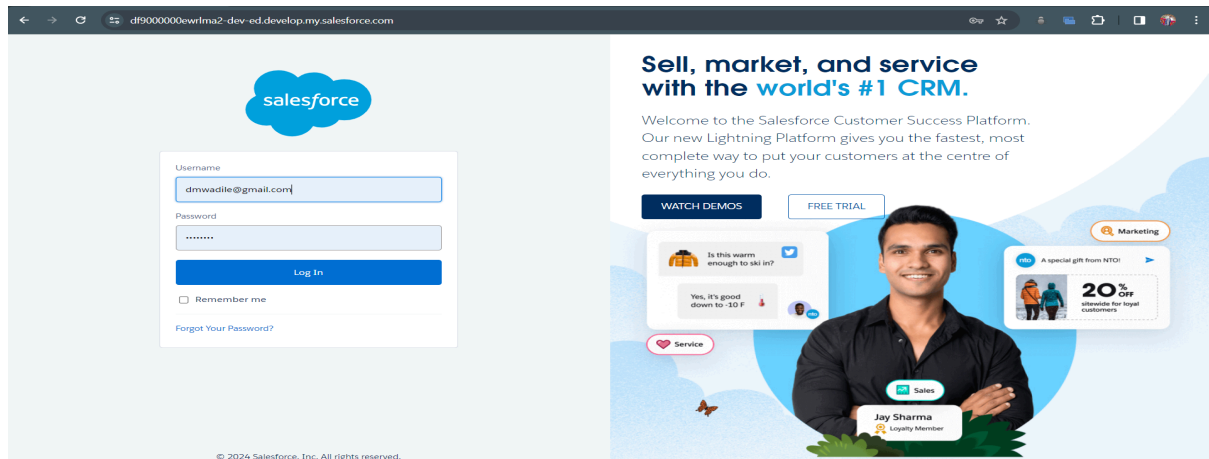


## ASSIGNMENT No. : 7

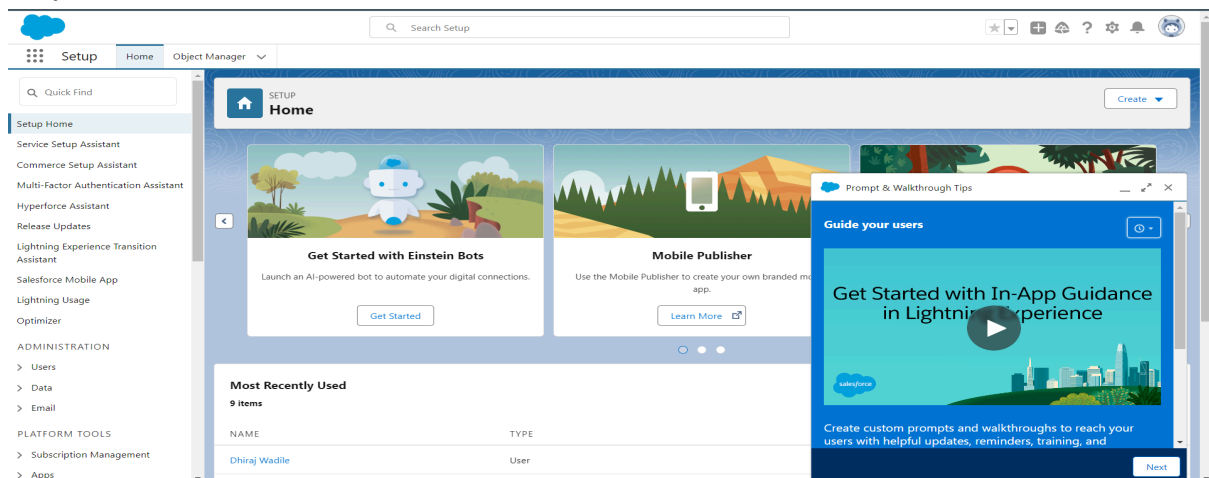
Design and develop LMS System (Mini Project) using Salesforce Cloud.

Procedure :

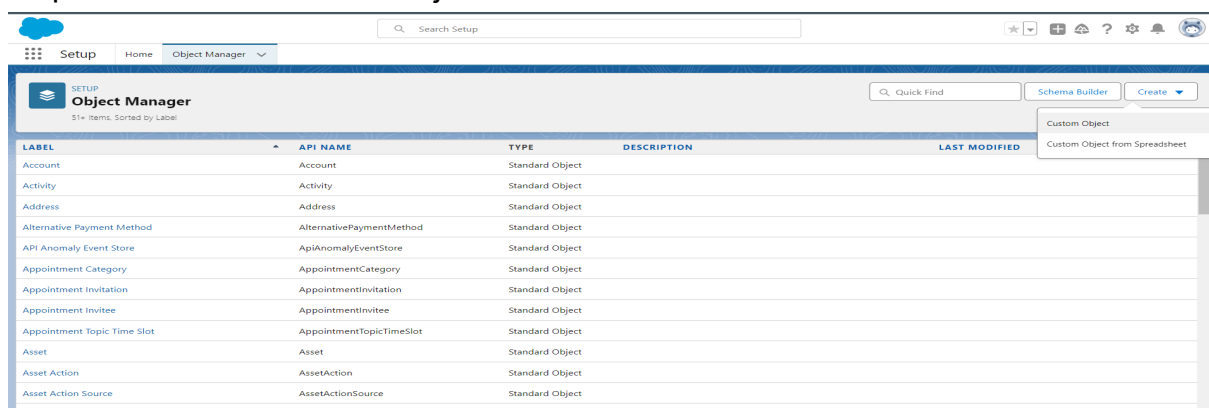
### Step 1: Login to the platform of the Salesforce Cloud.




### Step 2: View the dashboard of the Salesforce Cloud.










### Step 3: Create the Custom Objects.



# Student\_Name



Search Setup



SetupHomeObject Manager

SETUP

New Custom Object

Custom Object Definition Edit

SaveSave & NewCancel

Custom Object Information

= Required Information

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

Label  Example: Account

Plural Label  Example: Accounts

Starts with vowel sound ☐

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

Object Name  Example: Account

Description

Context-Sensitive Help Setting ☒ Open the standard Salesforce.com Help & Training window  
☐ Open a window using a Visualforce page

Content Name


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  Example: Account Name

Data Type

# Book



Search Setup



SetupHomeObject Manager

SETUP

Object Manager

Custom Object Definition Edit

SaveSave & NewCancel

Custom Object Information

= Required Information

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Record Name  Example: Account Name

Data Type

# Book\_Borrowed



Search Setup



SetupHomeObject Manager

SETUP

Object Manager

Custom Object Definition Edit

SaveSave & NewCancel

Custom Object Information

= Required Information

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

Label  Example: Account

Plural Label  Example: Accounts

Starts with vowel sound ☐

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

Object Name  Example: Account

Description

Context-Sensitive Help Setting ☒ Open the standard Salesforce.com Help & Training window  
☐ Open a window using a Visualforce page

Content Name

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  Example: Account Name

Data Type

## Total\_Books

The screenshot shows the 'Custom Object Definition Edit' page in Salesforce. The 'Custom Object Information' section includes fields for Label (Total\_Book), Plural Label (Total\_Books), and Object Name (Total\_Book). The Description field contains 'Total number are books are present in library.' The 'Enter Record Name Label and Format' section shows the Record Name as 'Total\_Book Name'.

Step 4: You can see the created objects in this dropdown list.

The screenshot shows the 'Total\_Book' page in the Object Manager. The dropdown menu is open, displaying a list of objects: Total\_Book, Book\_Borrowed, Book1, Student\_Name, and Book. The 'Details' tab is selected on the left sidebar.

Step 5: Create custom fields in the objects.

## Total\_Book

The screenshot shows the 'New Custom Field' page for 'Total\_Book'. The 'Field Label' is 'Author Name1', the 'Length' is 20, and the 'Field Name' is 'Author\_Name1'. The 'Description' is 'we can add the author name.' The 'Required' checkbox is checked, and the 'Unique' checkbox is also checked. The 'External ID' checkbox is unchecked.

Setup

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Object Manager

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Setup > OBJECT MANAGER

Student\_Name

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

Triggers

Flow Triggers

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	
Address	Address__c	Text(30)			
Class	Class__c	Text(10)			
Created By	CreatedBy	Lookup(User)			
Last Modified By	LastModifiedById	Lookup(User)			
Owner	OwnerId	Lookup(User,Group)		✓	
Students_Name Name	Name	Text(80)		✓	

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Setup > OBJECT MANAGER

Book Borrowed

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Buttons, Links, and Actions

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Scoping Rules

Triggers

Flow Triggers

Fields & Relationships

5 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_Borrow Name	Name	Text(80)		✓	
Borrowed_Books	Borrowed_Books__c	Number(18, 0)			
Created By	CreatedBy	Lookup(User)			
Last Modified By	LastModifiedById	Lookup(User)			
Owner	OwnerId	Lookup(User,Group)		✓	

Setup

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Setup > OBJECT MANAGER

Book1

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

Triggers

Flow Triggers

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	
Author Name1	Author_Name1__c	Text(30)			
Book Name	Name	Text(80)		✓	
Book_Price	Book_Price__c	Number(18, 0)			
Created By	CreatedBy	Lookup(User)			
Last Modified By	LastModifiedById	Lookup(User)			
Owner	OwnerId	Lookup(User,Group)		✓	
Publisher1	Publisher1__c	Text(20)			

The screenshot shows the Salesforce Setup interface. The left sidebar contains a navigation menu with options like Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Restriction Rules, Scoping Rules, Triggers, and Flow Triggers. The main content area is titled 'Fields & Relationships' and shows a table of fields for the 'Total\_Book' object. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Created By, Last Modified By, Owner, Total\_Book Name, and Total\_BookL.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Total_Book Name	Name	Text(80)		✓
Total_BookL	Total_BookL__c	Number(18, 0)		

## Step 6: Create the tabs for the objects.

The screenshot shows the Salesforce Setup interface for the 'Tabs' section. The left sidebar has a search bar with 'tabs' entered and a list of options including User Interface, Rename Tabs and Labels, and Tabs (selected). The main content area is titled 'Custom Tabs' and provides instructions on how to create new custom tabs. It includes three sections: Custom Object Tabs, Web Tabs, and Visualforce Tabs. The Custom Object Tabs section shows a table of existing tabs with columns for Action, Label, Tab Style, and Description.

Action	Label	Tab Style	Description
Edit   Del	books	Bottle	
Edit   Del	Books	Mail	
Edit   Del	Books_Borrowed	Hexagon	
Edit   Del	students_A	Computer	
Edit   Del	Students_Name	Form	
Edit   Del	Total_Books	Building	

## Step 7: Click on the App Manager and create a new lightning app as LMS.

The screenshot shows the 'New Lightning App' dialog box in Salesforce. The dialog is titled 'App Details & Branding' and prompts the user to give their Lightning app a name and description. It includes fields for App Name, Developer Name, and Description. The App Branding section shows a preview of the app's navigation bar with a bookshelf image and a primary color hex value of #0070D2. There is also a checkbox for 'Org Theme Options'.

App Details

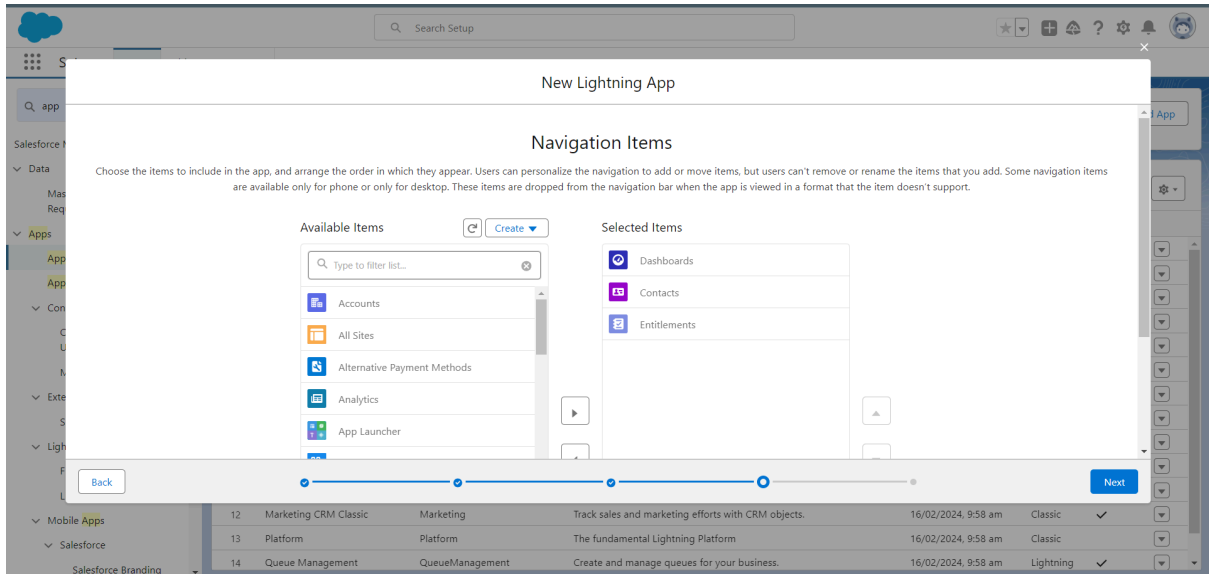
- App Name: Library Management System(LMS)
- Developer Name: Library\_Management\_SystemLMS
- Description: LMS pvt

App Branding

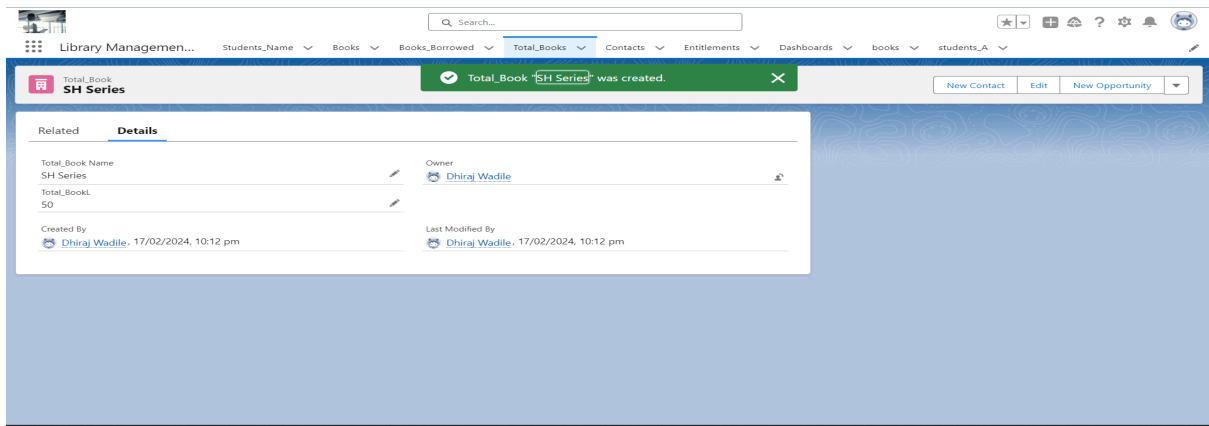
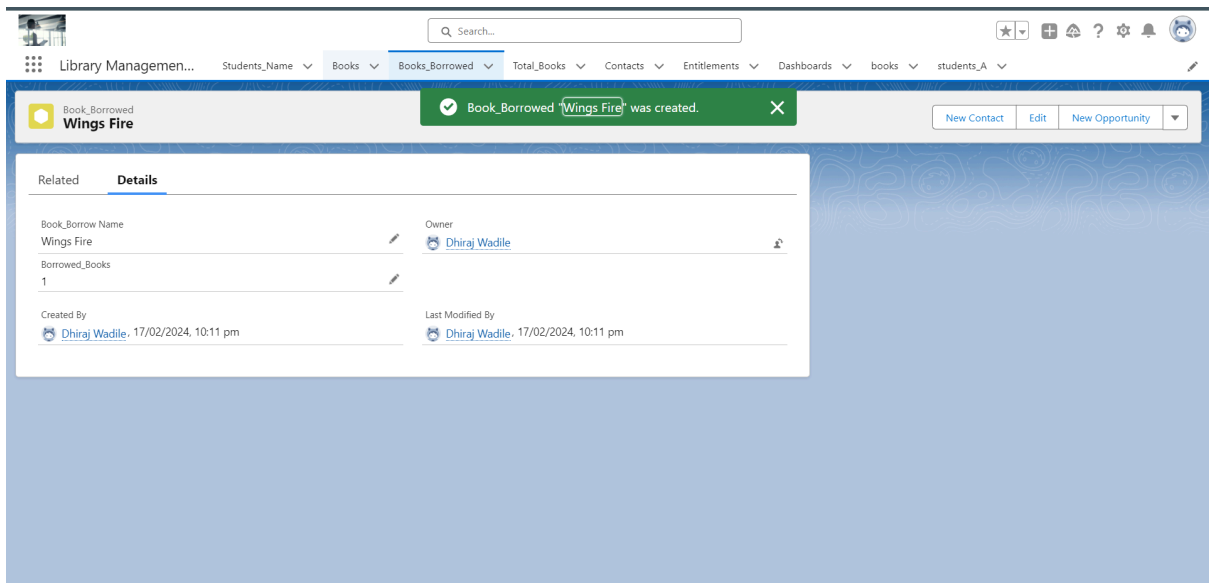
- Image: [Bookshelf Image]
- Primary Color Hex Value: #0070D2
- Org Theme Options: ☐ Use the app's image and color instead of the org's

Next

Add built in tabs in LMS System.



Step 8: Enter the data in the all Objects fields.





Conclusion :

Thus, this assignment completes the design and development of a Library Management System (LMS) application using Salesforce Cloud.