

Title : Design and develop custom Application (Mini Project) using Salesforce Cloud.

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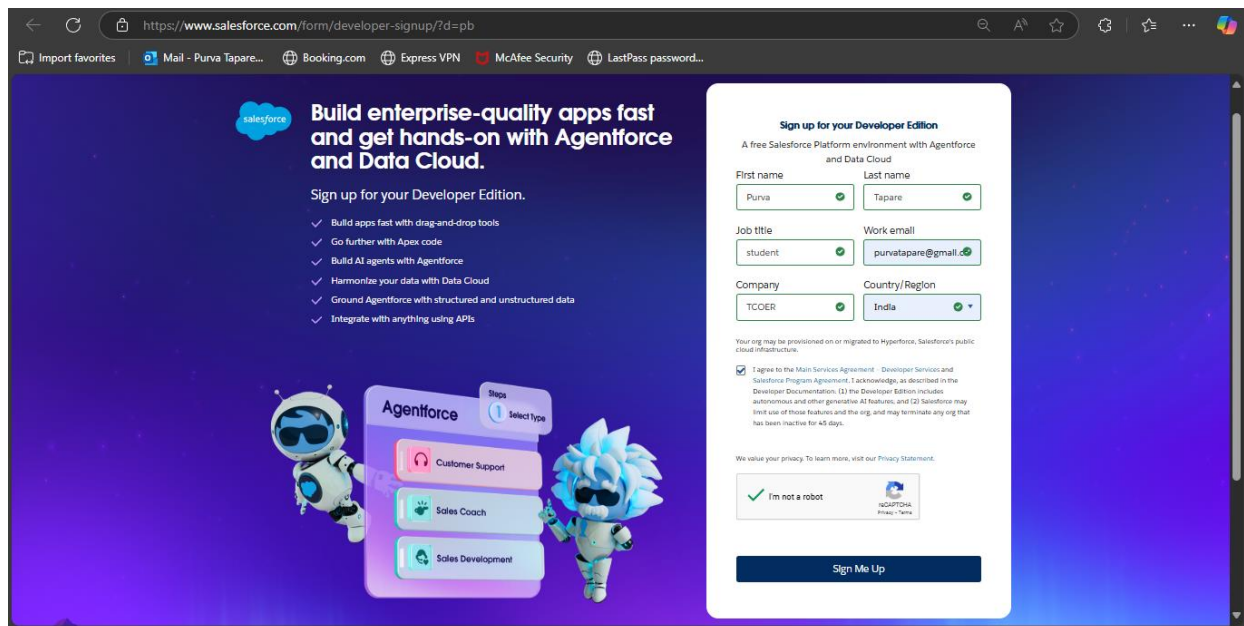
Class : - TE Computer

Subject : - Cloud Computing

Date : -

Step 1 : Create new org:

<https://developer.salesforce.com/signup>



Step 2 : After signup, logging using following URL

<https://login.salesforce.com/>

Step 3 : Login Page (Enter your credential to login)

Import favorites | Mail - Purva Tapare... | Booking.com | Express VPN | McAfee Security | LastPass password...

salesforce

Log in to Salesforce

Email

☒ Remember Me

[Continue](#)

or

[Log in with Username](#)

[Sign Up](#)

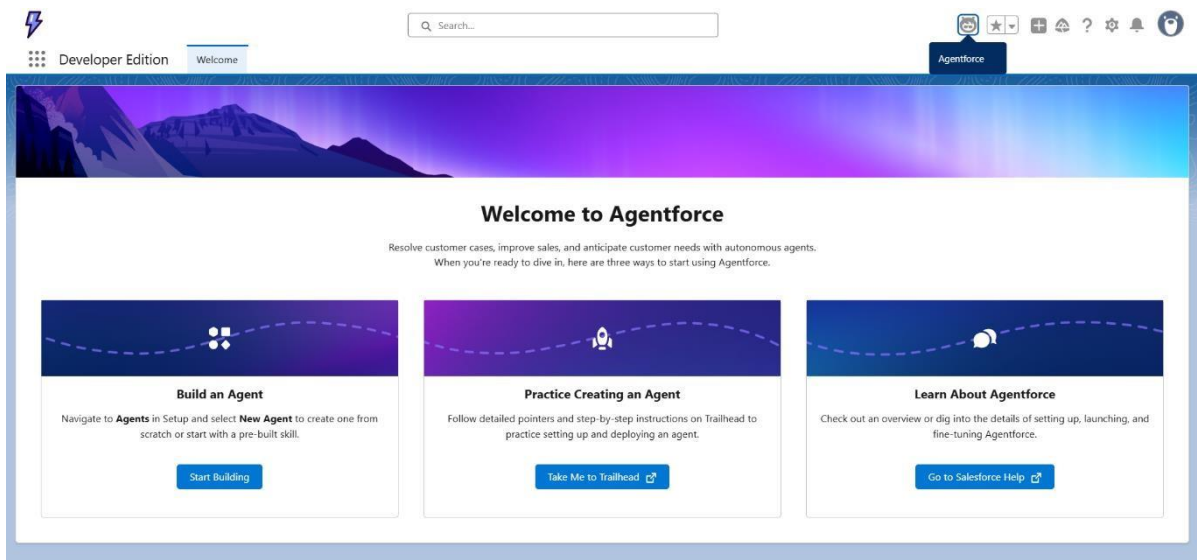
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Step 3a : Open salesforce in Lightning Experience

The screenshot shows the Salesforce Lightning Usage App interface. The browser address bar displays the URL: `orgfarm-a9d2af67f8-dev-ed.develop.lightning.force.com/lightning/page/usage`. The page header includes the Salesforce logo, a search bar, and various utility icons. The left sidebar, titled "Lightning Usage App", contains a navigation menu with categories: ACTIVITY (Lightning Experience, Salesforce Mobile), USAGE (Switches To Classic, Browser, Page, Active Licenses), and SECURITY (Login Metrics). The main content area is titled "Lightning Usage Lightning Experience" and contains the following sections:

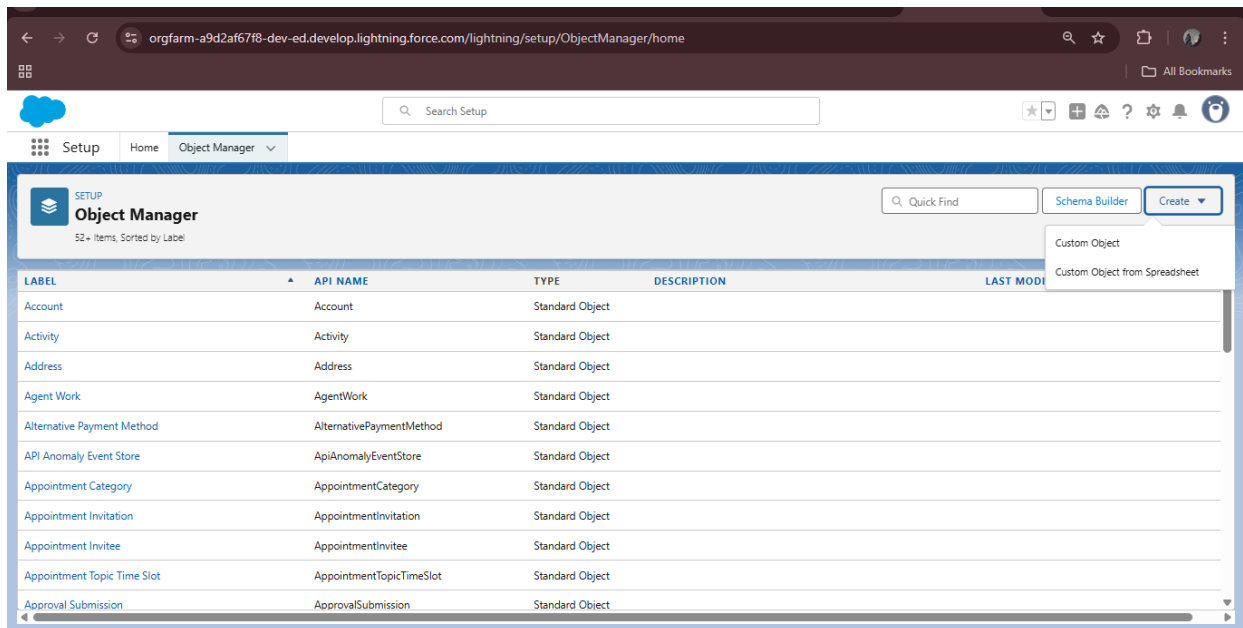
- Introduction:** A text block stating, "To learn more tips and tricks check out the Lightning Experience Rollout Specialist on Trailhead or run the Salesforce Optimizer to receive a personalized report highlighting exactly how you can improve your org today!". A blue button labeled "Run Salesforce Optimizer" is positioned to the right.
- Key Metrics:** A section with two metrics:
 - Monthly Active Users:** Last Month, with a large number "1" displayed.
 - Daily Active Users:** Yesterday, with the text "We can't draw this chart because there is no data."
- Find Out Why Users Switch Back to Salesforce Classic:** A text block explaining that the Switch to Salesforce Classic User Feedback Form is used to survey users when they switch back to Salesforce Classic. It includes a link: "Enable the Switch to Salesforce Classic User Feedback Form".
- Users:** A section header at the bottom of the main content area.

Step 3b : Click on Object Manager

The screenshot shows the Salesforce Lightning interface for the Object Manager. The browser address bar displays the URL: `orgfarm-a9d2af67f8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home`. The page header includes a search bar labeled "Search Setup" and navigation tabs for "Setup", "Home", and "Object Manager". The main content area is titled "Object Manager" with a sub-header "52+ Items, Sorted by Label". It features a "Quick Find" search bar, a "Schema Builder" button, and a "Create" button. Below this is a table listing various standard objects.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Address	Address	Standard Object			
Agent Work	AgentWork	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Approval Submission	ApprovalSubmission	Standard Object			

Step 3c : Click on Create → Custom Object

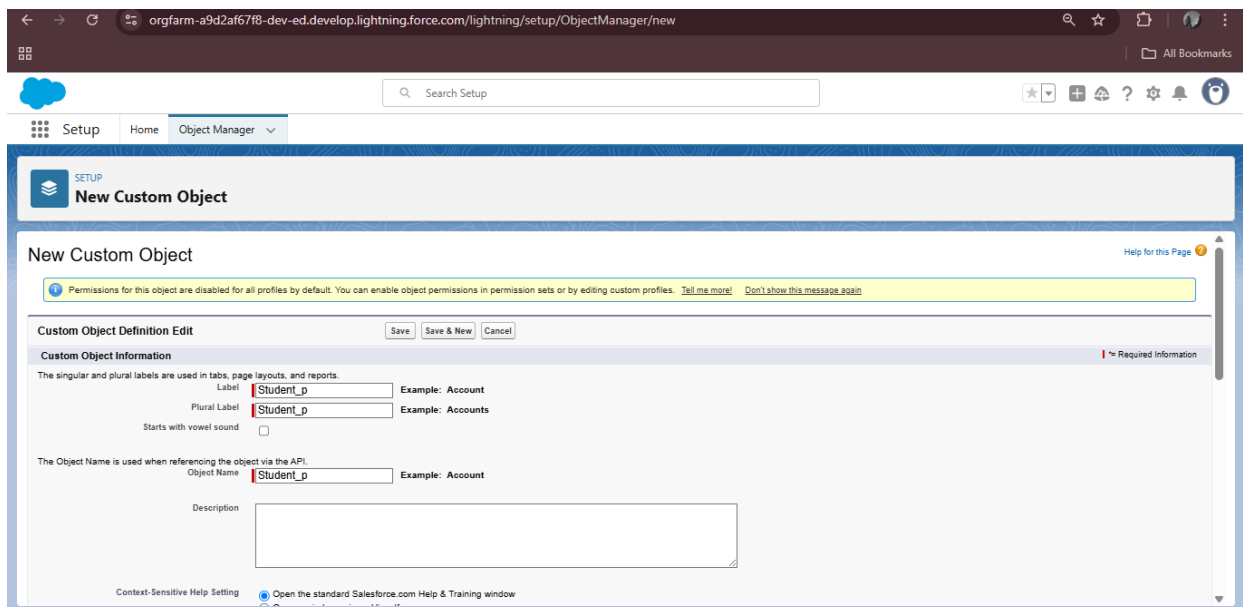


The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main header displays 'Object Manager' with a 'Quick Find' search bar and a 'Create' button. A dropdown menu is open under the 'Create' button, showing 'Custom Object' and 'Custom Object from Spreadsheet'. Below the header is a table listing standard objects:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED
Account	Account	Standard Object		
Activity	Activity	Standard Object		
Address	Address	Standard Object		
Agent Work	AgentWork	Standard Object		
Alternative Payment Method	AlternativePaymentMethod	Standard Object		
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object		
Appointment Category	AppointmentCategory	Standard Object		
Appointment Invitation	AppointmentInvitation	Standard Object		
Appointment Invitee	AppointmentInvitee	Standard Object		
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object		
Approval Submission	ApprovalSubmission	Standard Object		

Step 3d : Create new Custom objects

here named student_A and books



The screenshot shows the 'New Custom Object' form in Salesforce. The form is titled 'New Custom Object' and includes a 'Help for this Page' link. A message at the top states: '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](#)'. The form is divided into sections: 'Custom Object Definition Edit' (with 'Save', 'Save & New', and 'Cancel' buttons) and 'Custom Object Information'. The 'Custom Object Information' section contains the following fields:

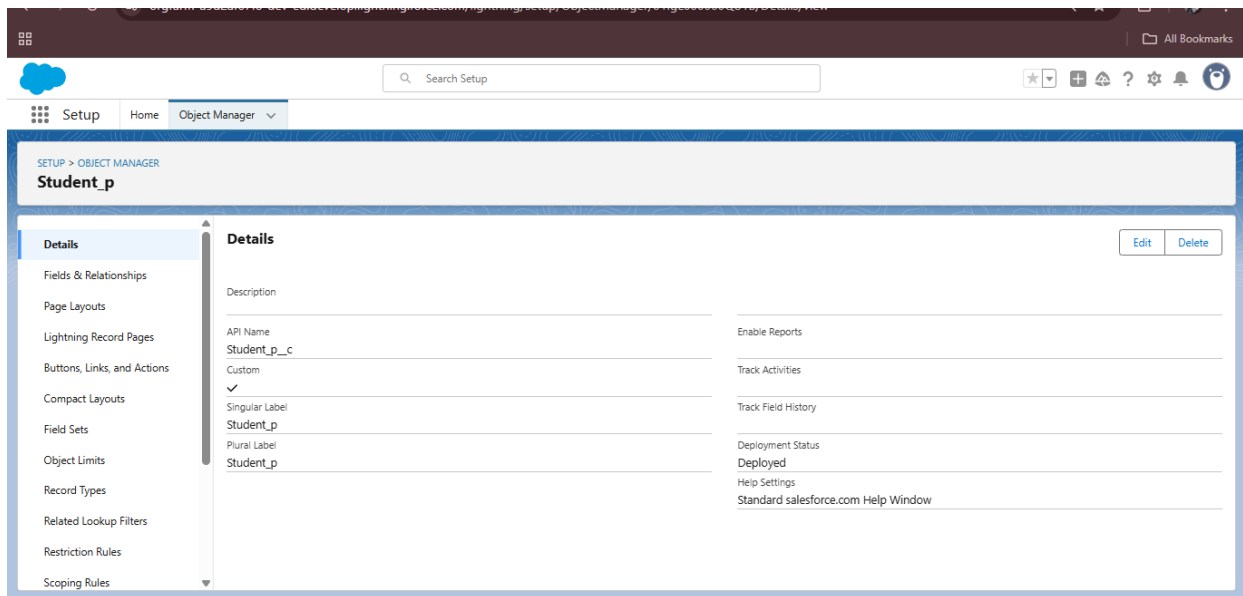
- Label:** Student_d (Example: Account)
- Plural Label:** Student_p (Example: Accounts)
- Starts with vowel sound:** ☐
- Object Name:** Student_d (Example: Account)
- Description:** (Empty text area)

At the bottom, there is a 'Context-Sensitive Help Setting' section with a radio button selected for 'Open the standard Salesforce.com Help & Training window'.

Step 3e : Go to Field and Relationships field of these objects and create new Relational fields

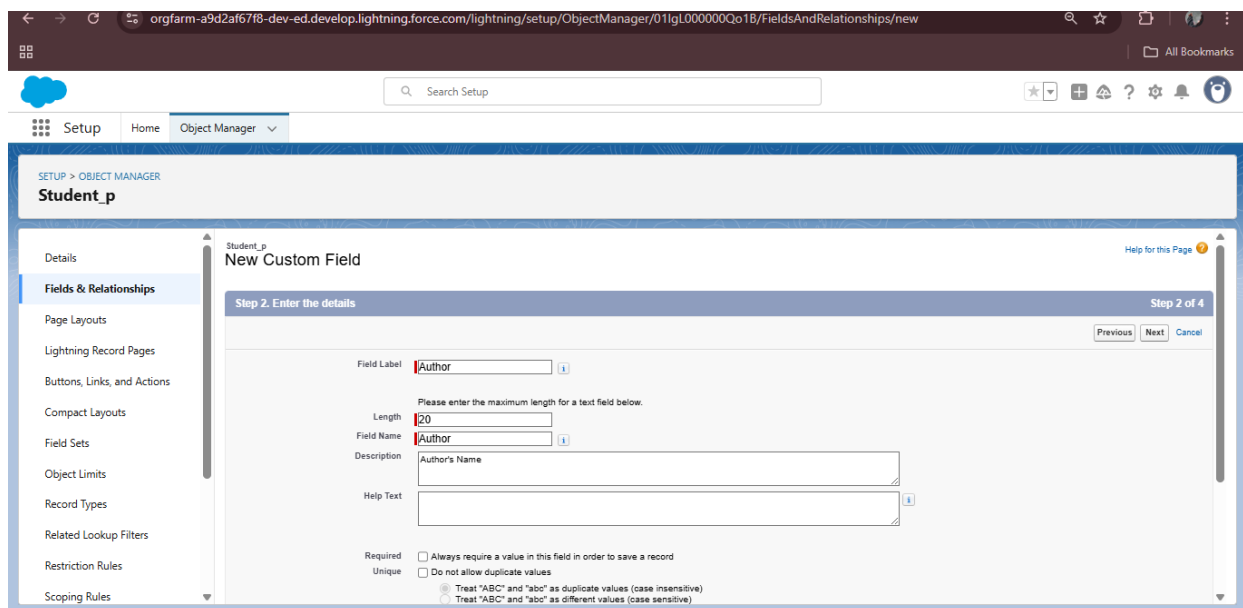
For book → Author name(20) and Publisher(30)

For student_A → class(10



The screenshot shows the Salesforce Setup interface for the 'Student_p' object. The left sidebar contains a navigation menu with options: 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, and Scoping Rules. The main content area is titled 'Details' and includes a description field, API Name (Student_p__c), Custom checkbox, Singular Label (Student_p), Plural Label (Student_p), Enable Reports checkbox, Track Activities checkbox, Track Field History checkbox, Deployment Status (Deployed), Help Settings, and a link to the Standard Salesforce.com Help Window. Edit and Delete buttons are located in the top right corner.

Step 3f : Create new Custom Tags for application



The screenshot shows the 'New Custom Field' page for the 'Student_p' object. The left sidebar is the same as the previous screenshot. The main content area is titled 'New Custom Field' and includes a 'Step 2. Enter the details' section. The 'Field Label' is 'Author', the 'Length' is '20', the 'Field Name' is 'Author', and the 'Description' is 'Author's Name'. The 'Help Text' field is empty. The 'Required' checkbox is checked, and the 'Unique' checkbox is checked. The 'Treat "ABC" and "abc" as different values (case sensitive)' checkbox is checked. The 'Previous', 'Next', and 'Cancel' buttons are located in the top right corner.

Step 3g : Navigate to App Manager and Click New Lightning App

The screenshot shows the Salesforce Setup interface for the 'Student_p' object. The left sidebar contains a navigation menu with options: 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, and Scoping Rules. The main content area is titled 'Fields & Relationships' and shows a table of 6 items, sorted by Field Label. The table has columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The items are: Author (Text(20)), Book (Text(20)), Created By (Lookup(User)), Last Modified By (Lookup(User)), Owner (Lookup(User, Group)), and Student_p Name (Text(80)).

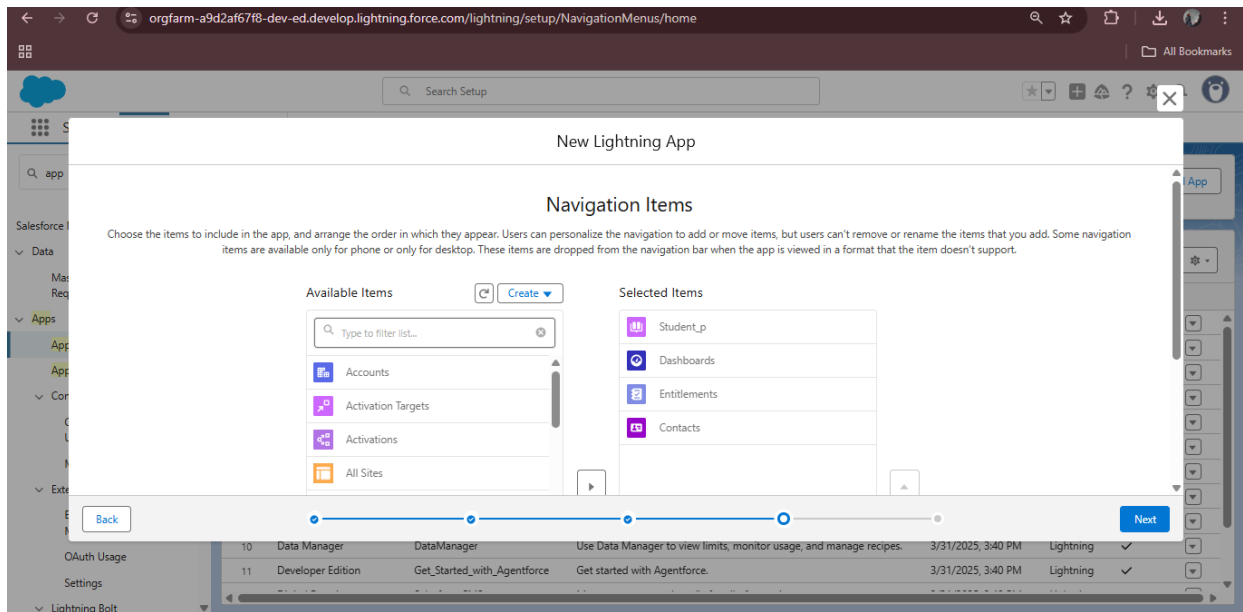
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Author	Author__c	Text(20)		
Book	Book__c	Text(20)		
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User, Group)		✓
Student_p Name	Name	Text(80)		✓

Step 3h : Fiend necessary fields and click next till Navigation Items

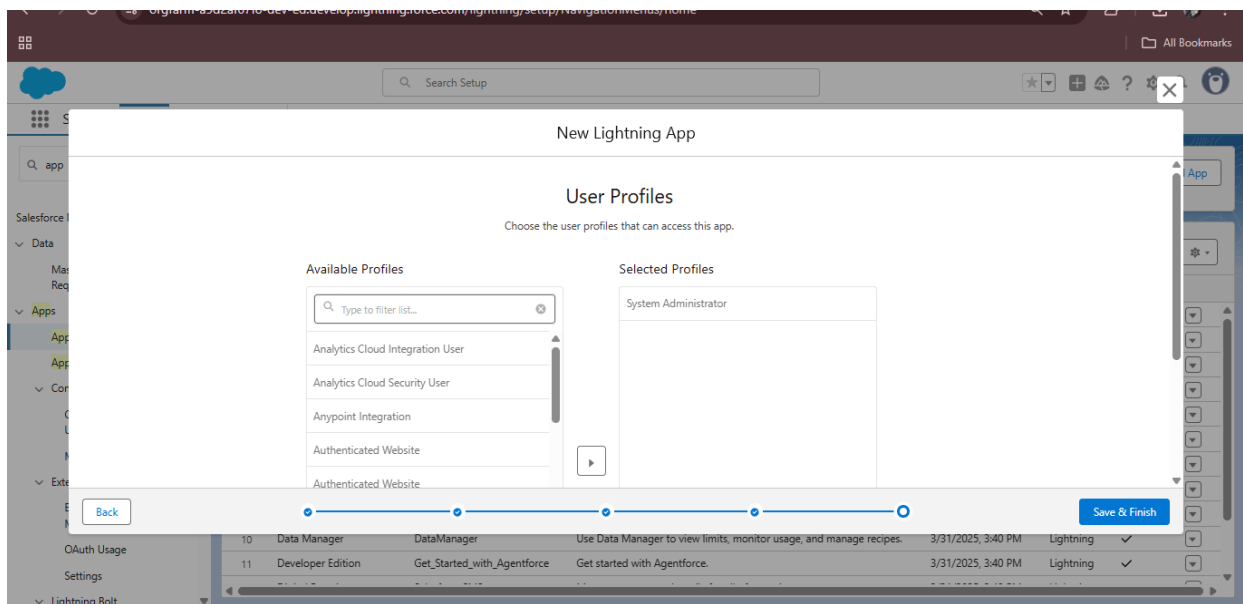
The screenshot shows the Salesforce Setup interface for Custom Tabs. The left sidebar contains a navigation menu with options: tabs (selected), User Interface, Rename Tabs and Labels, and Tabs. The main content area is titled 'Custom Tabs' and shows a table of Custom Object Tabs. The table has columns: Action, Label, Tab Style, and Description. The items are: Student_p (Books) and Books (Books are issued to the student). Below the table, there are sections for Web Tabs, Visualforce Tabs, and Lightning Component Tabs, each with a 'New' button and a 'What is This?' link.

Action	Label	Tab Style	Description
Edit Del	Student_p	Books	Books are issued to the student

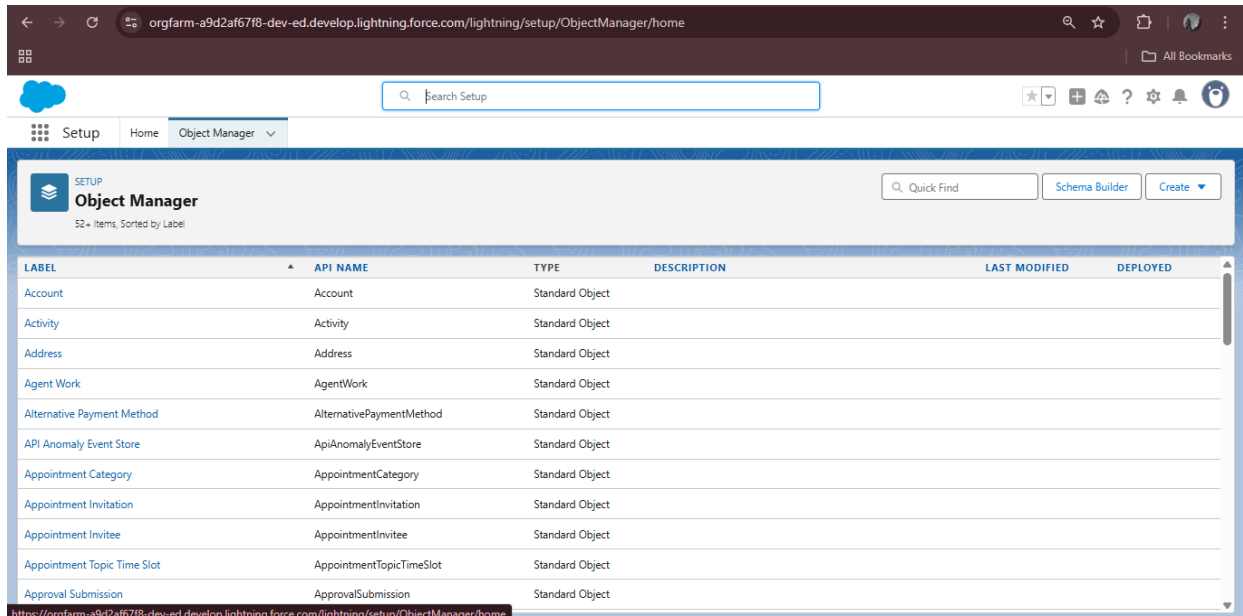
Step 3i : Add students_A, books, Contacts, Dashboard and Entitelements section in Navigation Items and Click Next



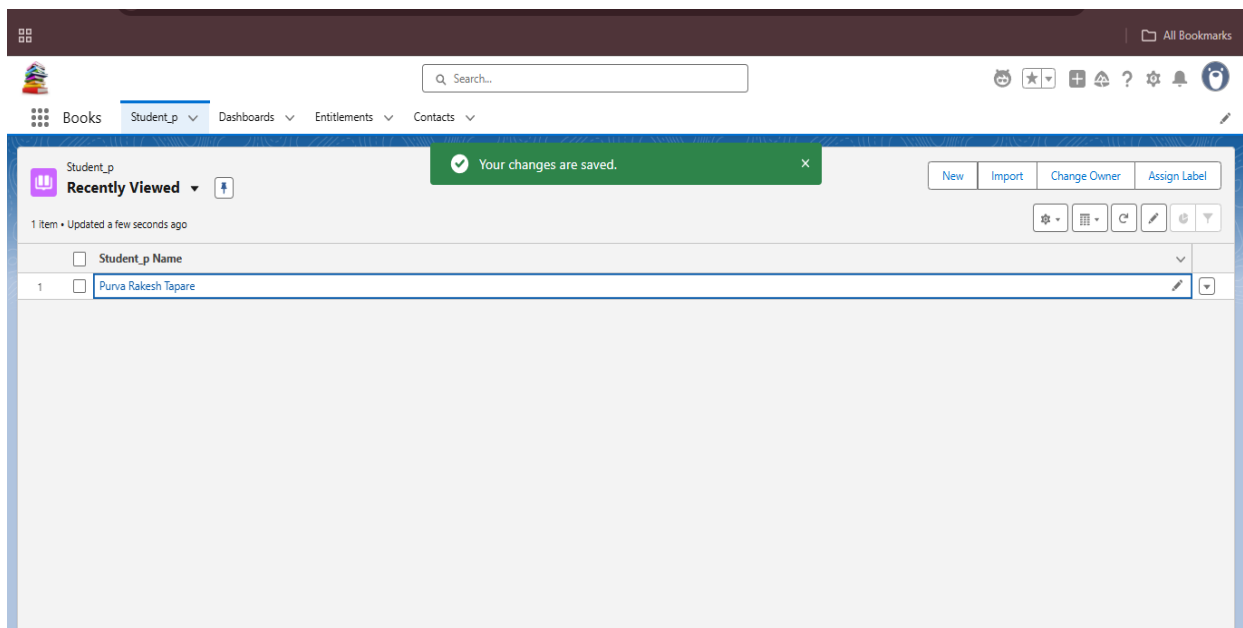
Step 3j : Add System Administrator as User Profiles and Click Save & Finish.



Step 3k : Now Navigate to your newly created Salesforce app
here Library Management System



Step 31 : Now create new fields and enjoy managing the app



Conclusion : Successfully Designed and developed custom Application (Mini Project) using Salesforce Cloud .