

**NAAN MUDHALVAN**  
**SALESFORCE DEVELOPER PROJECT REPORT**

**PROJECT TITLE:** CREATION OF AN APPLICATION FOR SCHOOL  
MANAGEMENT

**COLLEGE:** PONJESLY COLLEGE OF ENGINEERING.

**DONE BY:**

SAKTHIVEL.K

REG NO: 961820114324

NM ID: 0A9A0769C90251C9B314583E00EC25AA

## STEP 1: Create a Salesforce Account

The screenshot shows a Salesforce user profile for 'Sakthivel K'. The profile includes a profile picture, a bio, and a 'Details' section with fields for Name, Title, Email, Address, Manager, Company Name, Phone, and Mobile. The 'Details' section is partially filled out. The 'Related' section shows 'Groups (0)' and 'Files (0)'. The background of the profile card features a landscape with mountains and a hot air balloon.

**Details**

Field	Value
Name	Sakthivel K
Title	
Email	sakthivel17901@gmail.com
Address	
Manager	
Company Name	naan mudhalvan
Phone	
Mobile	

**Related**

- Groups (0)
- Files (0)

[Upload Files](#)

<https://naanmudhalvan-5c-dev-ed.develop.lightning.force.com/lightning/r/User/0055j000009lqdNAAQ/view>

## STEP 2 : Create the Objects (School, Student, Parent)

The screenshot shows the Salesforce Object Manager setup page. The page displays a table of objects, with one object listed: 'School'. The table has columns for LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The 'School' object is a Custom Object, created on 29/10/2023, and is deployed.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
School	School_c	Custom Object		29/10/2023	✓

Student | Object Manager | Salesforce

ponjeslycollegeofenginee98-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home

Search Setup

Setup Home Object Manager

Object Manager

1 Items, Sorted by Label

Parent

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Parent	Parent_c	Custom Object		29/10/2023	✓

ENG IN 03:55 PM 29-10-2023

Student | Object Manager | Salesforce

ponjeslycollegeofenginee98-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home

Search Setup

Setup Home Object Manager

Object Manager

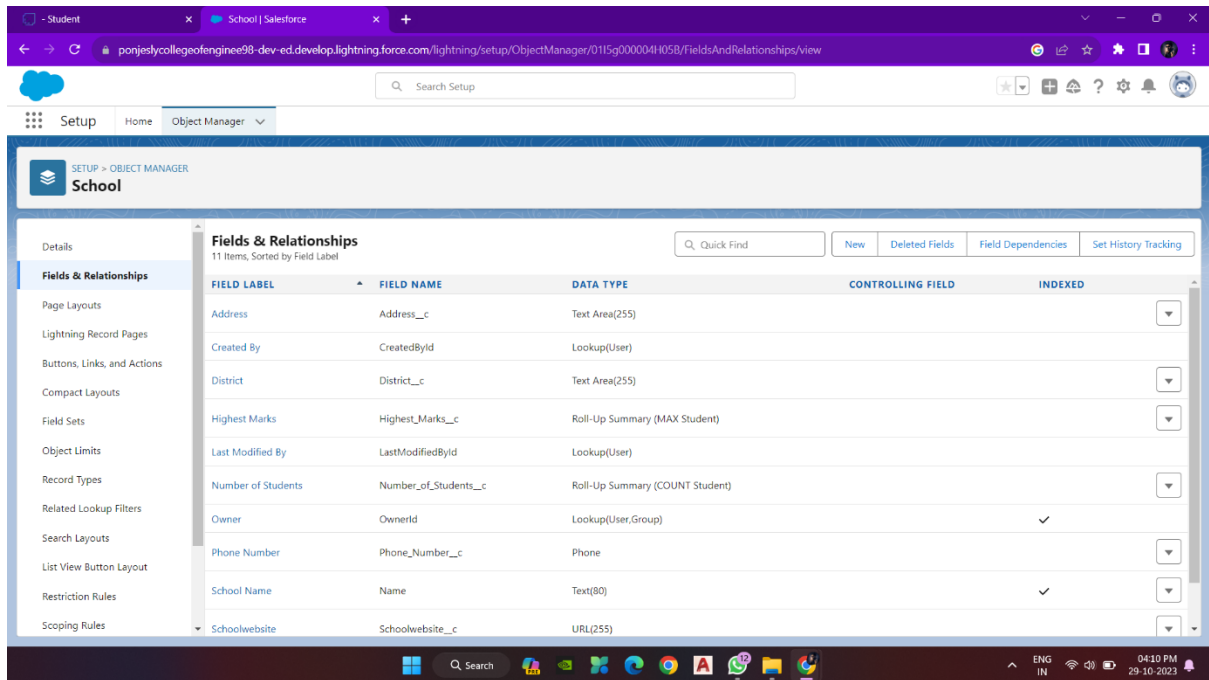
1 Items, Sorted by Label

Student

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Student	Student_c	Custom Object		29/10/2023	✓

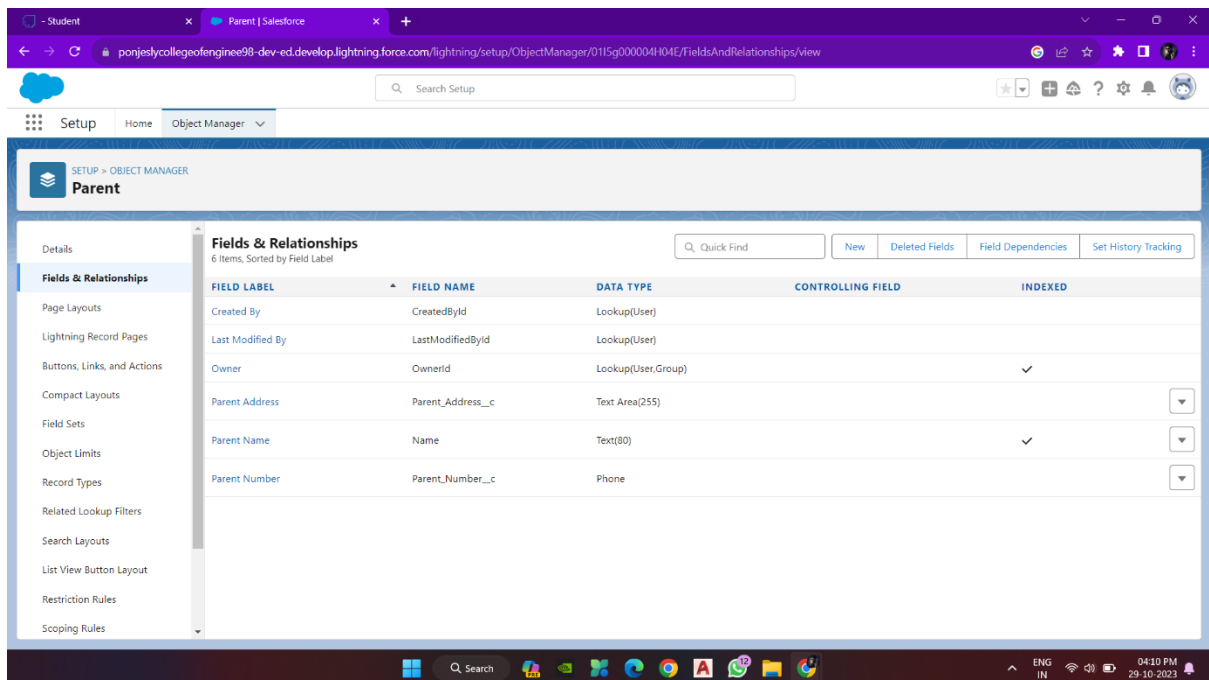
ENG IN 03:55 PM 29-10-2023

### STEP 3 : Create Fields for respective objects (Schools, Student, Parents)



The screenshot shows the Salesforce Setup interface for the 'School' 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, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled 'Fields & Relationships' and shows 11 items, sorted by Field Label. The table below lists the fields and their properties.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text Area(255)		
Created By	CreatedById	Lookup(User)		
District	District__c	Text Area(255)		
Highest Marks	Highest_Marks__c	Roll-Up Summary (MAX Student)		
Last Modified By	LastModifiedById	Lookup(User)		
Number of Students	Number_of_Students__c	Roll-Up Summary (COUNT Student)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone Number	Phone_Number__c	Phone		
School Name	Name	Text(80)		✓
Schoolwebsite	Schoolwebsite__c	URL(255)		



The screenshot shows the Salesforce Setup interface for the 'Parent' 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, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled 'Fields & Relationships' and shows 6 items, sorted by Field Label. The table below lists the fields and their properties.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Parent Address	Parent_Address__c	Text Area(255)		
Parent Name	Name	Text(80)		✓
Parent Number	Parent_Number__c	Phone		

The screenshot shows the Salesforce Setup interface for the 'Student' 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, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled 'Fields & Relationships' and shows a table of 9 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Class, Created By, E-Mail, Last Modified By, Marks, Phone Number, Results, School, and Student Name.

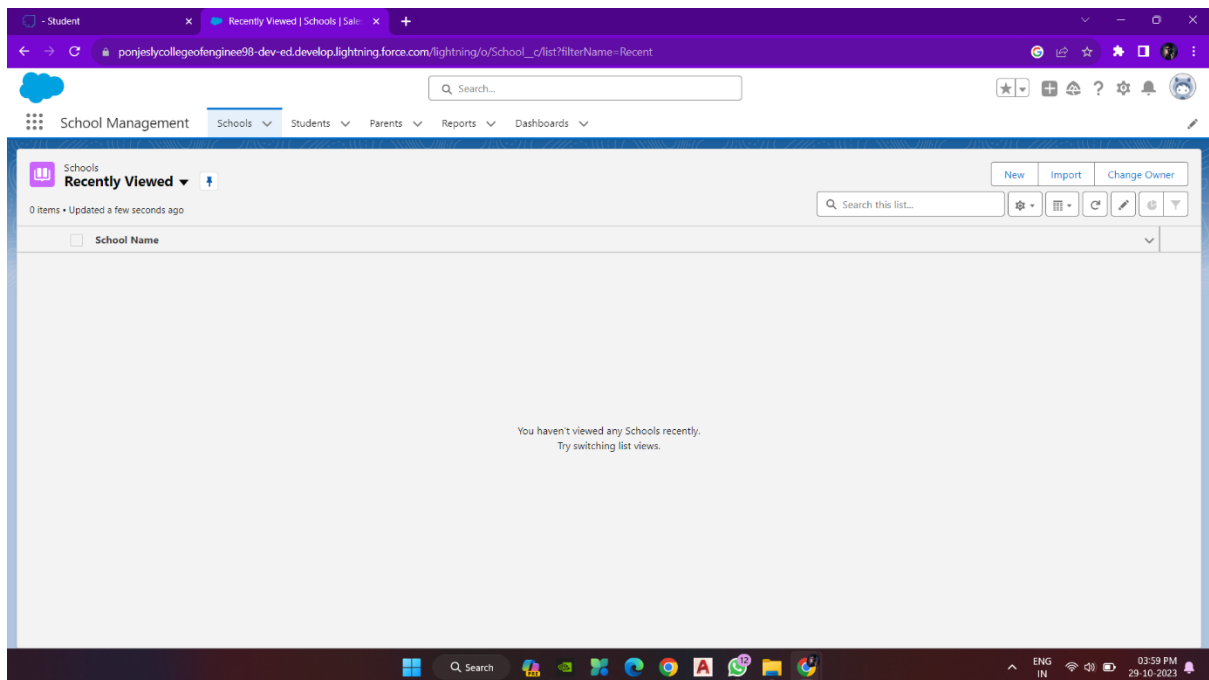
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(8, 2)		
Created By	CreatedById	Lookup(User)		
E-Mail	E_Mail__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(8, 2)		
Phone Number	Phone_Number__c	Phone		
Results	Results__c	Picklist		
School	School__c	Master-Detail(School)		✓
Student Name	Name	Text(80)		✓

## STEP 4 : Create the Tabs for each object (School, Student, Parent)

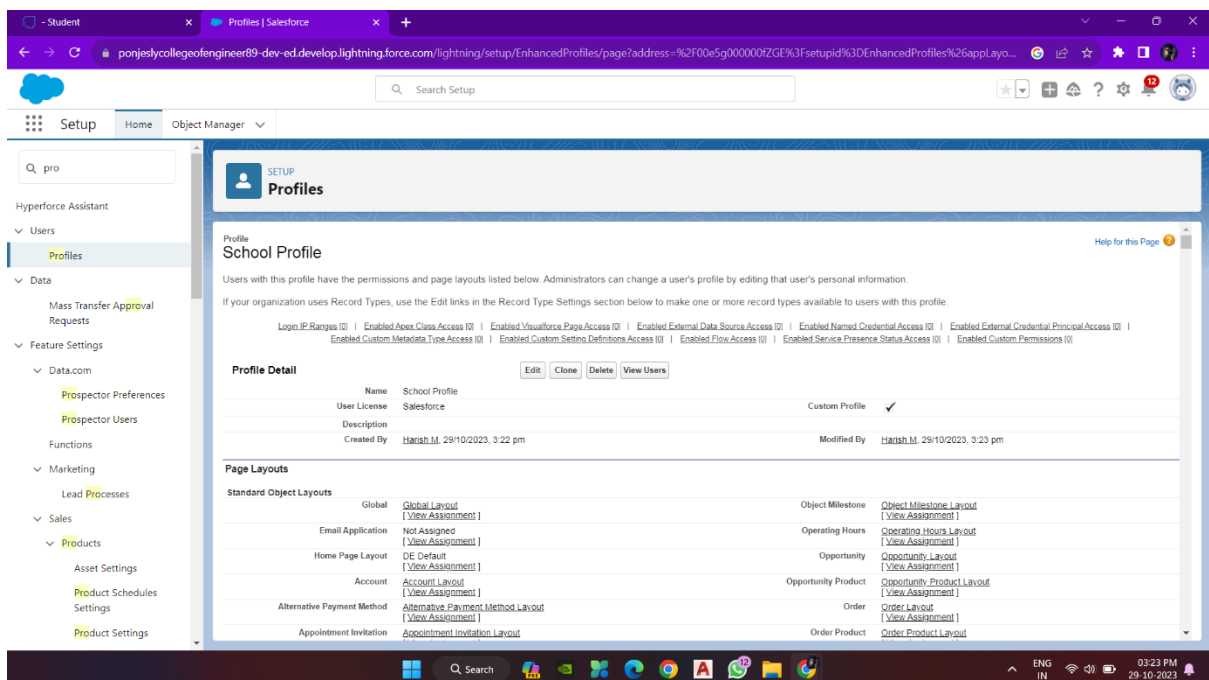
The screenshot shows the Salesforce Setup interface for the 'Custom Tabs' section. The left sidebar contains a navigation menu with options like tabs, User Interface, Rename Tabs and Labels, and Tabs. The main content area is titled 'Custom Tabs' and provides information on how to create custom tabs. It includes a table for 'Custom Object Tabs' with columns for Action, Label, Tab Style, and Description. The table lists three tabs: Parents, Schools, and Students, each with a corresponding tab style (Bank, Books, and Laptop respectively).

Action	Label	Tab Style	Description
Edit   Del	Parents	Bank	
Edit   Del	Schools	Books	
Edit   Del	Students	Laptop	

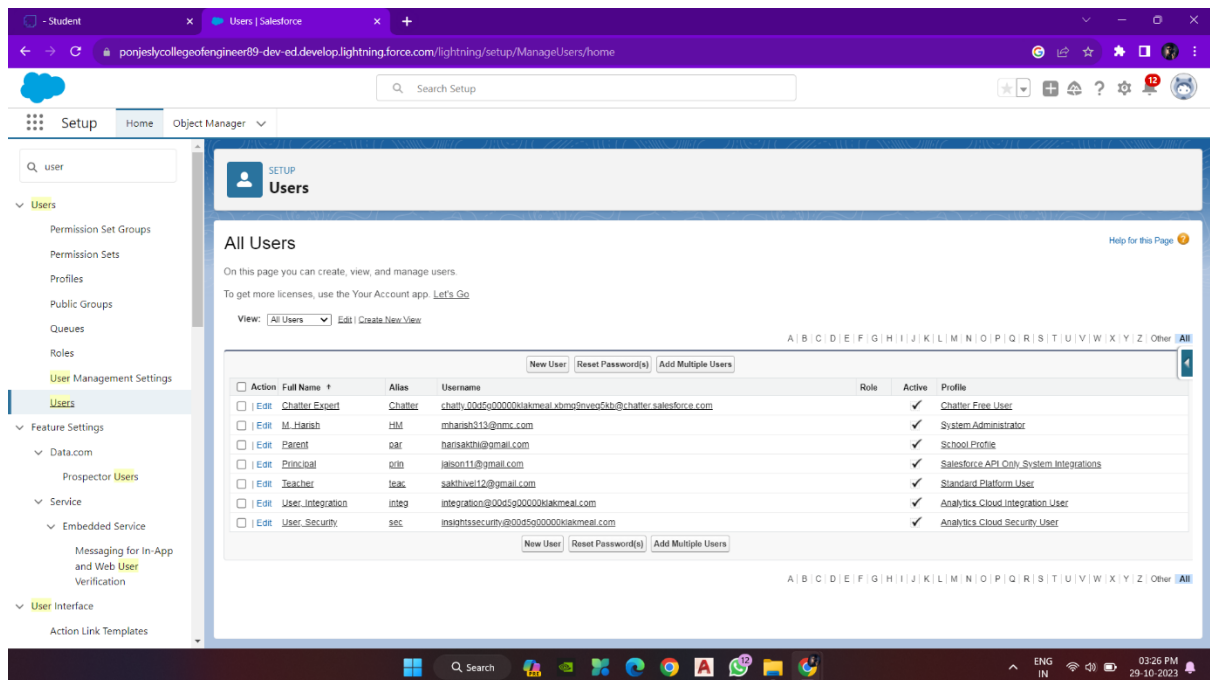
## STEP 5 : Create a Lightning App



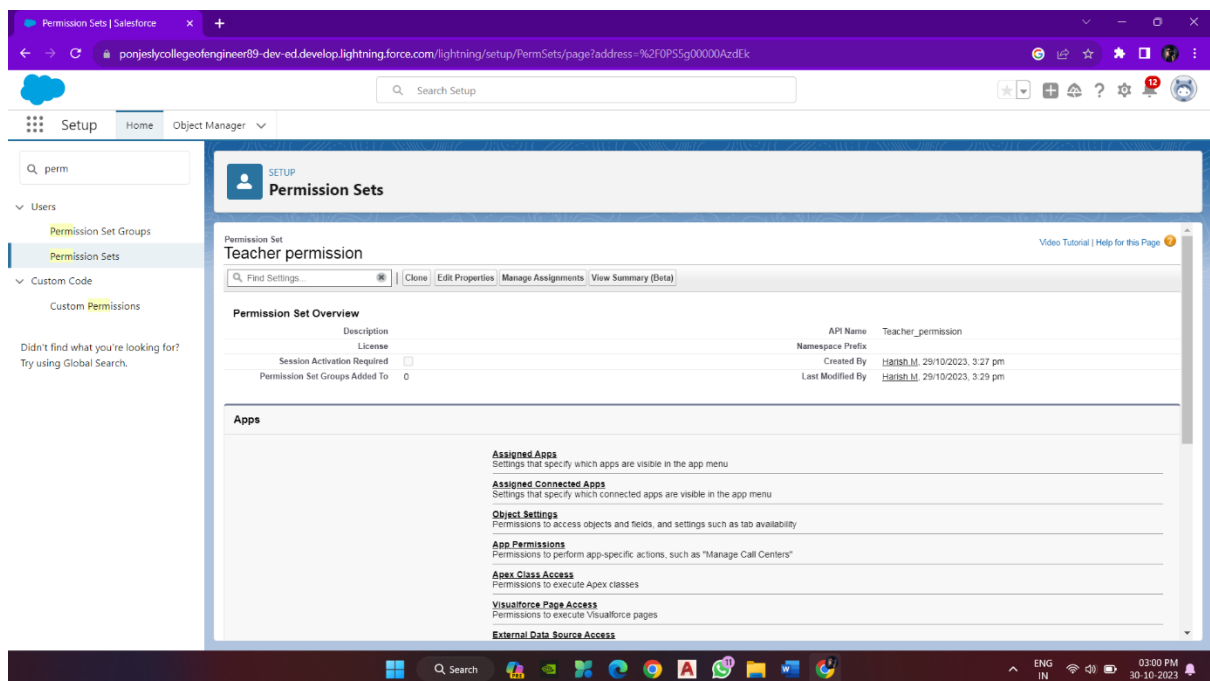
## STEP 6 : Create the School Profile

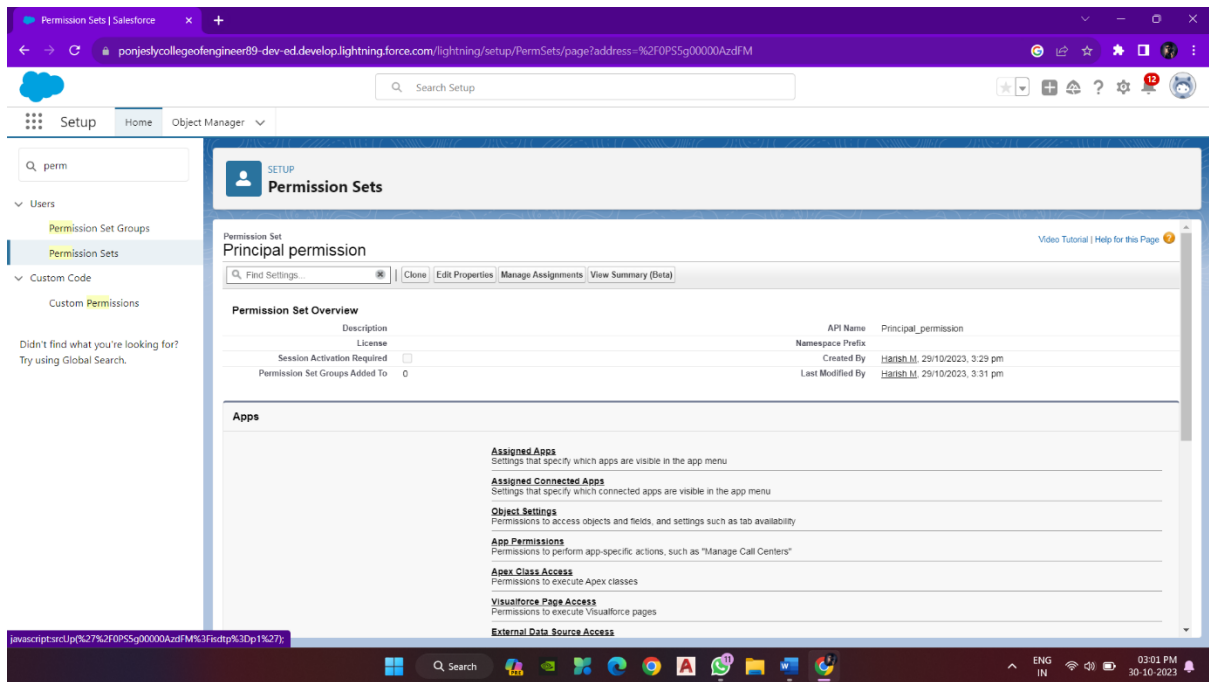


### STEP 7 : Create the Users (Teacher, Parent, Principal)

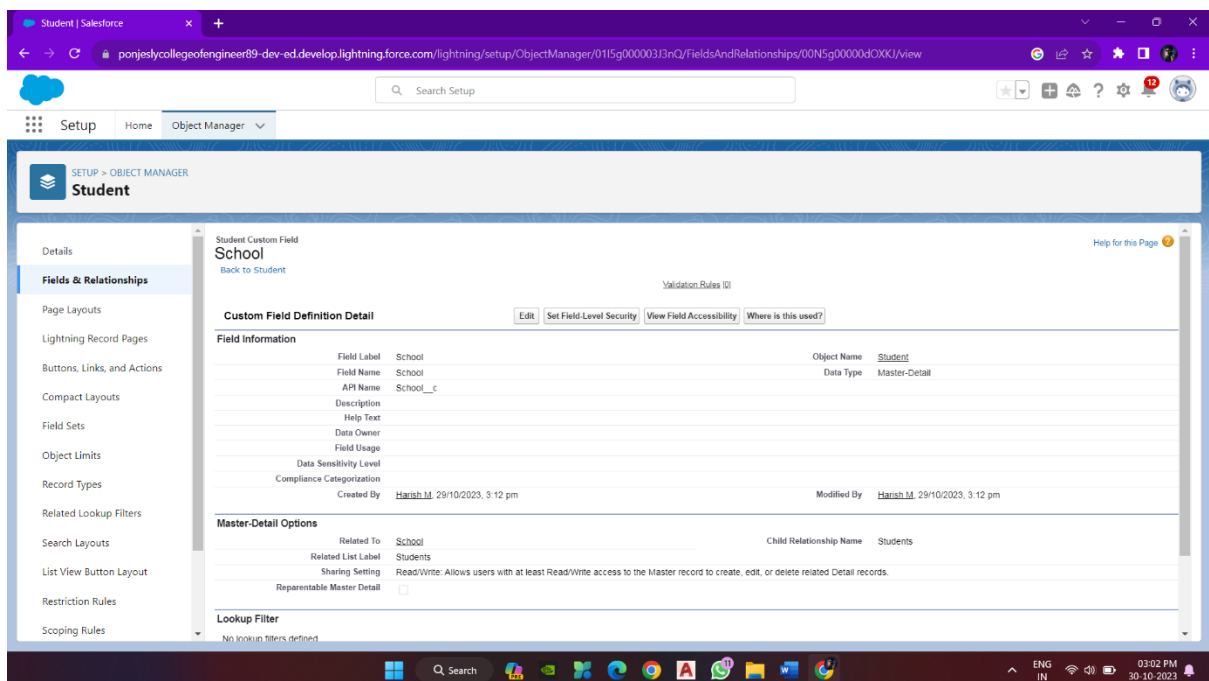


### STEP 8 : Create the Permission Set for the User's



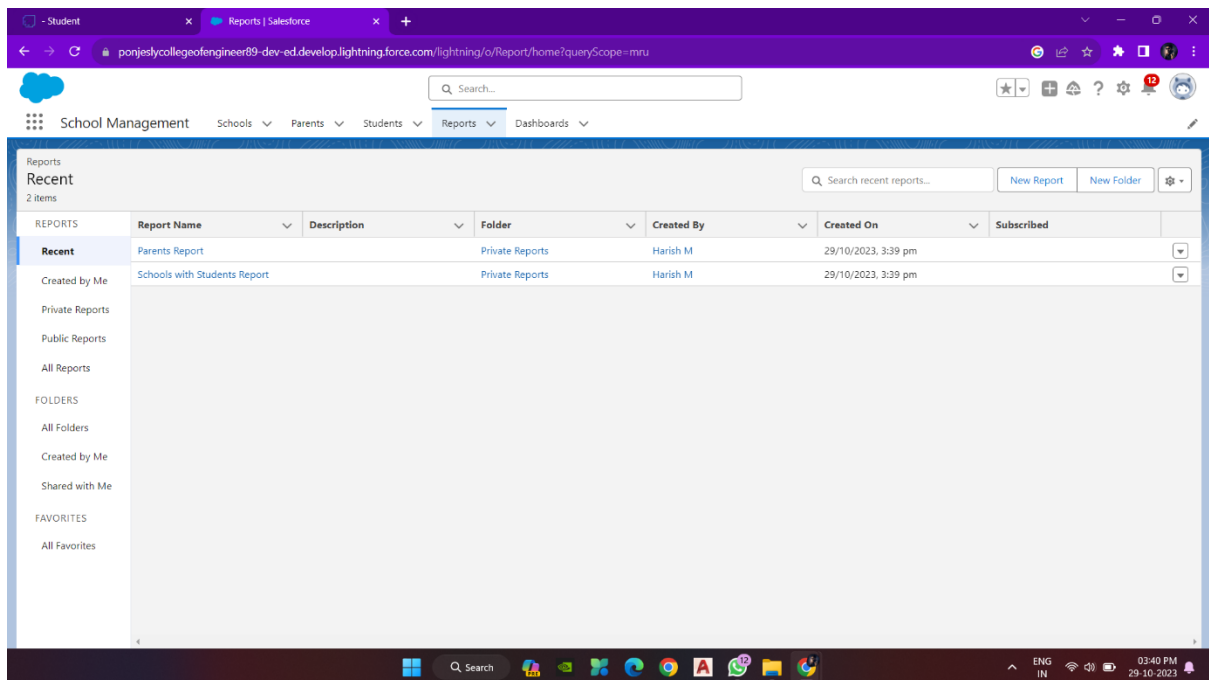


## STEP 9 : Create Master Detail relationship





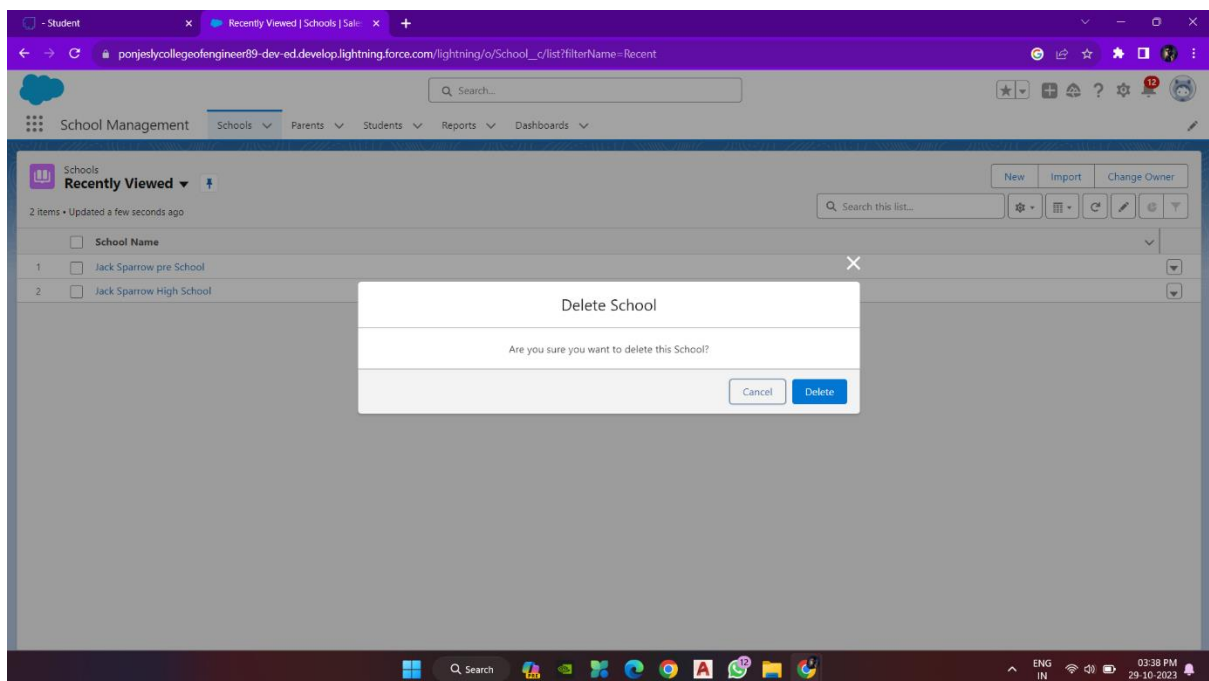
## STEP 10 : Create Records in Lightning App



The screenshot shows the Salesforce Lightning App interface. The top navigation bar includes 'School Management', 'Schools', 'Parents', 'Students', 'Reports', and 'Dashboards'. The 'Reports' section is active, displaying a table of recent reports. The table has columns for Report Name, Description, Folder, Created By, Created On, and Subscribed. Two reports are listed: 'Parents Report' and 'Schools with Students Report', both created by 'Harish M' on 29/10/2023 at 3:39 pm. The left sidebar shows a navigation menu with options like 'Recent', 'Created by Me', 'Private Reports', 'Public Reports', 'All Reports', 'FOLDERS', 'All Folders', 'Created by Me', 'Shared with Me', 'FAVORITES', and 'All Favorites'.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Parents Report		Private Reports	Harish M	29/10/2023, 3:39 pm	
Created by Me	Schools with Students Report		Private Reports	Harish M	29/10/2023, 3:39 pm	

## STEP 11 : Deleting Records



The screenshot shows the Salesforce Lightning App interface with the 'Schools' section active. A 'Delete School' dialog box is displayed in the center, asking 'Are you sure you want to delete this School?'. The dialog has 'Cancel' and 'Delete' buttons. In the background, the 'Schools' list is visible, showing two items: 'Jack Sparrow pre School' and 'Jack Sparrow High School'. The top navigation bar includes 'School Management', 'Schools', 'Parents', 'Students', 'Reports', and 'Dashboards'. The left sidebar shows a navigation menu with options like 'Recently Viewed', 'New', 'Import', 'Change Owner', 'Search this list...', 'Settings', 'List', 'Edit', 'Share', and 'Filter'.

Schools	Recently Viewed
1	Jack Sparrow pre School
2	Jack Sparrow High School

## STEP 12 : Create Apex Class and Apex Trigger

The screenshot shows the Salesforce Developer Console with the following details:

- Code Editor:** Contains the following Apex Trigger code:

```
1 trigger SchoolTrigger on School__c (before delete) {  
2   if(trigger.isDelete){
```
- Entity Explorer:** A window titled "Open" showing a table with columns: Entity Type, Name, Namespace, Related Name, Extent, and Direction. The "Entities" column shows "schoolHandler" under the "Name" column.
- Bottom Bar:** Shows the Windows taskbar with various application icons and the system clock displaying 03:46 PM on 29-10-2023.

The screenshot shows the Salesforce Developer Console with the following details:

- Code Editor:** Contains the following Apex Trigger code:

```
1 trigger SchoolTrigger on School__c (before delete) {  
2   if(trigger.isDelete){
```
- Entity Explorer:** A window titled "Open" showing a table with columns: Entity Type, Name, Namespace, Related Name, Extent, and Direction. The "Entities" column shows "Internallmarks" under the "Name" column. The "Related" column shows a relationship with "School\_\_c" (Extent: Object, Direction: References).
- Bottom Bar:** Shows the Windows taskbar with various application icons and the system clock displaying 03:46 PM on 29-10-2023.

## STEP 13 : Create a Flow

