

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

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

**COLLEGE:** PONJESLY COLLEGE OF ENGINEERING.

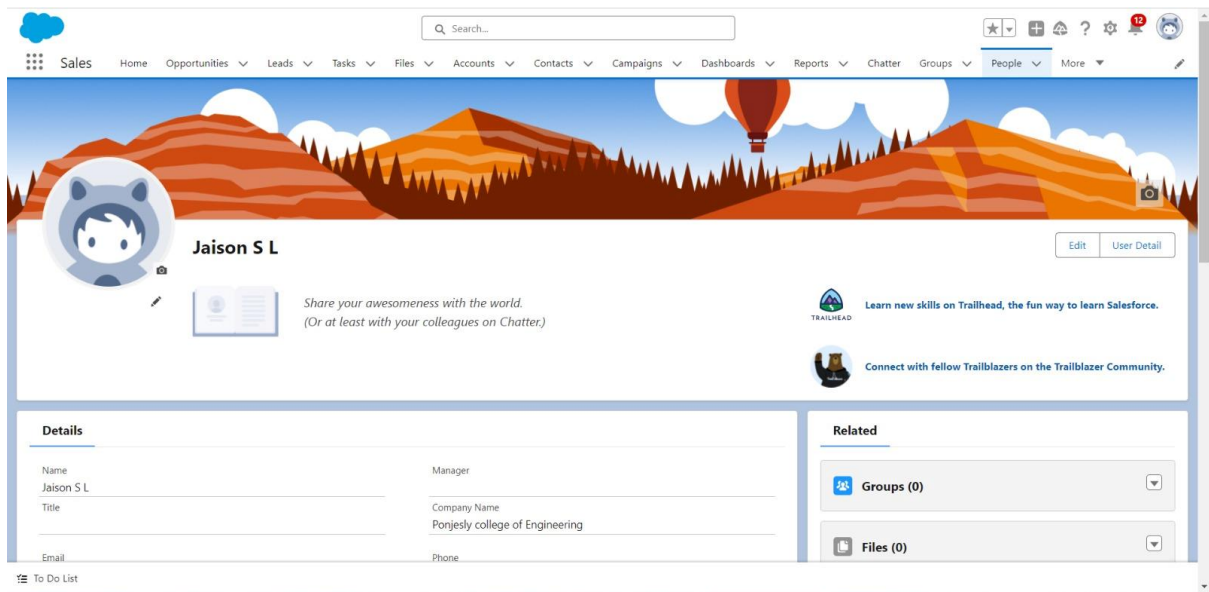
**DONE BY:**

JAISON.S.L

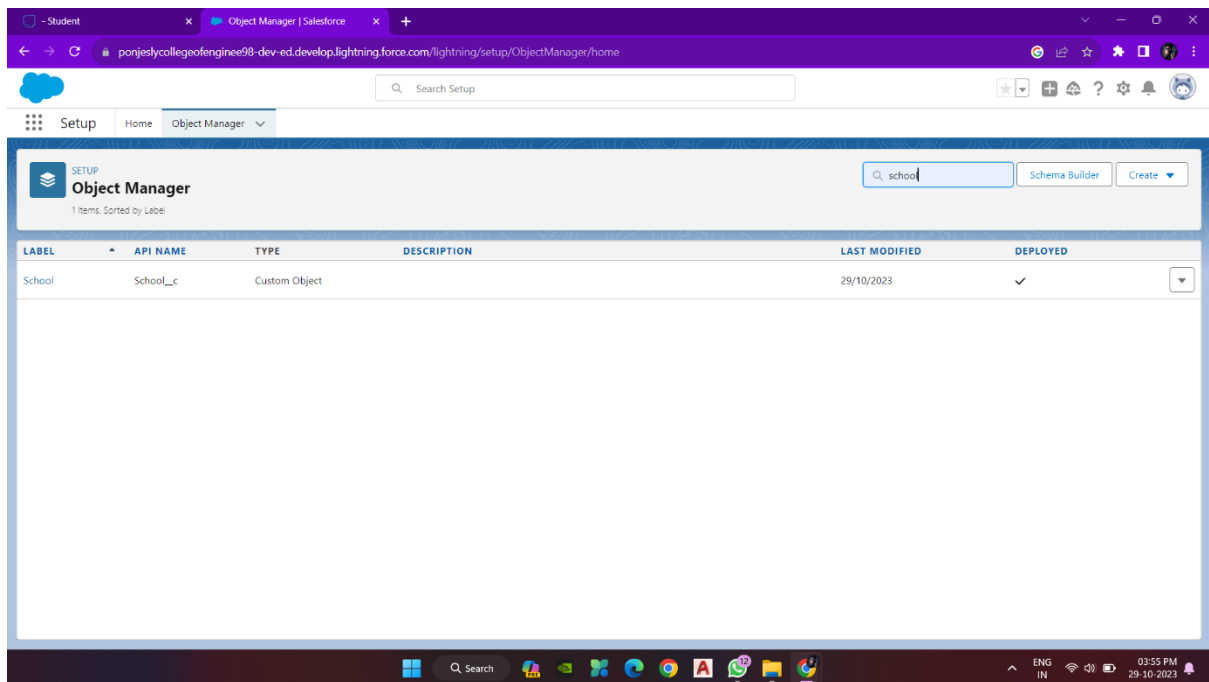
REG NO: 961820114314

NM ID: 7ED8963B02D7A8E922B432B3D8F8CEC2STEP

# 1: Create a Salesforce Account



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



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

Schema Builder Create

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

Windows Taskbar: Search, 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

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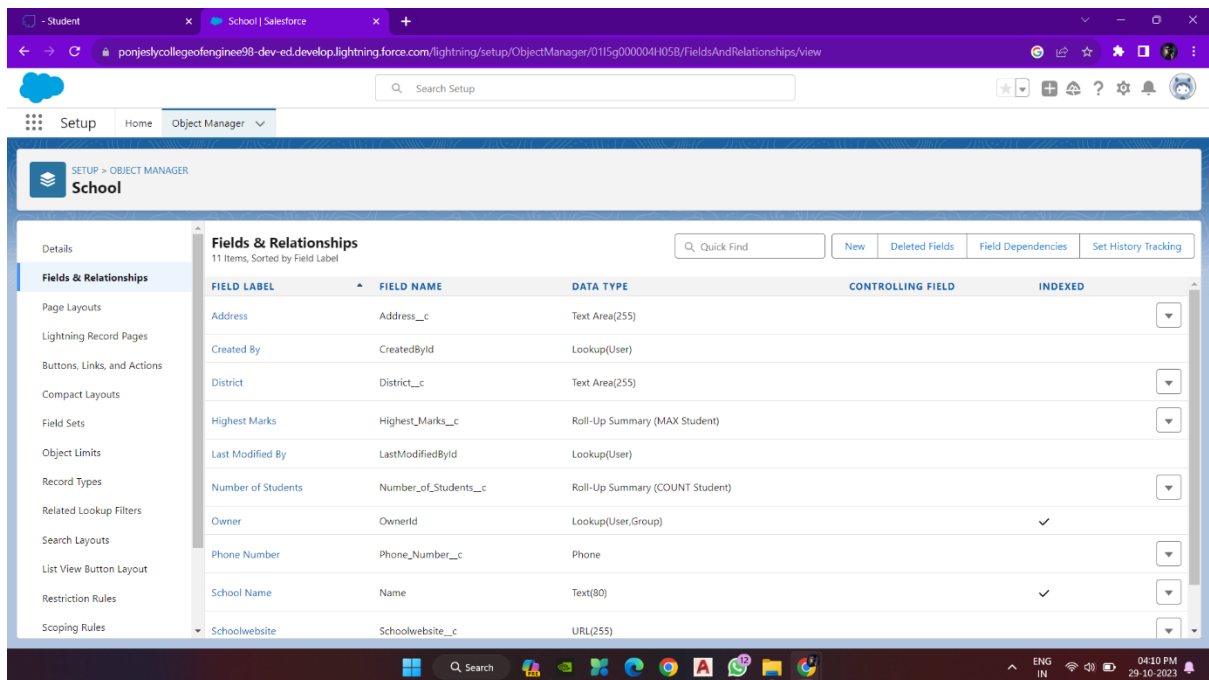
1 Items, Sorted by Label

Schema Builder Create

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

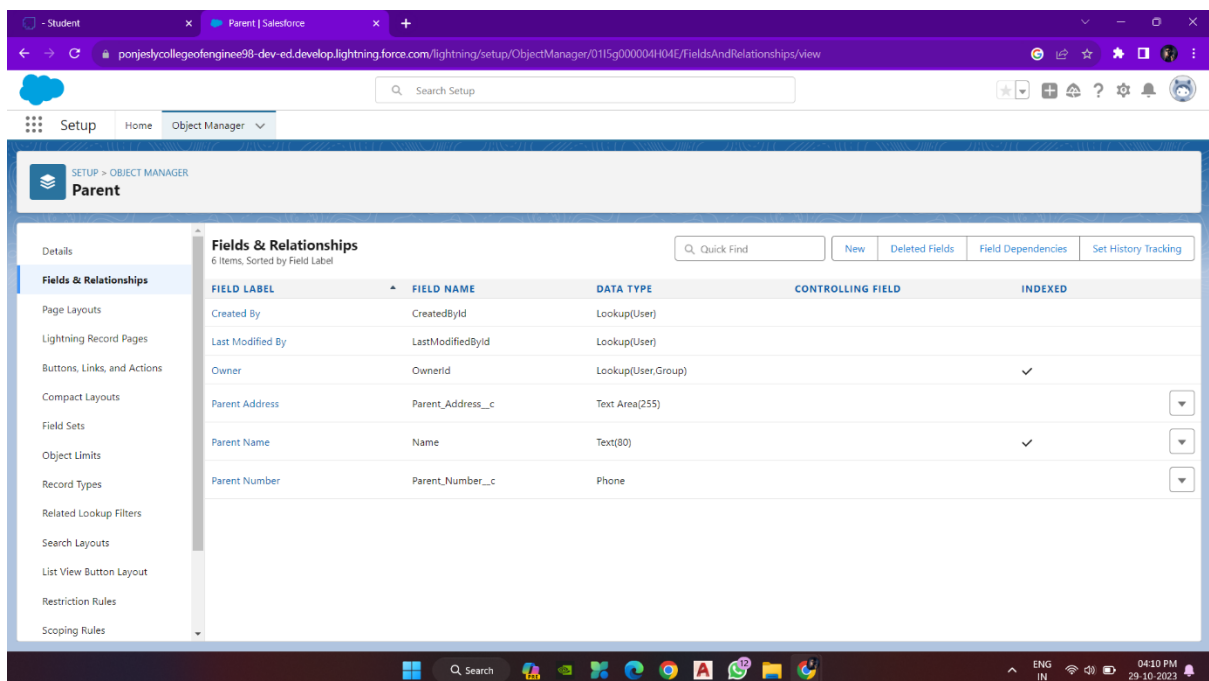
Windows Taskbar: Search, ENG IN, 03:55 PM, 29-10-2023

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



The screenshot shows the Salesforce Setup interface for the 'School' object. The 'Fields & Relationships' section is active, displaying a list of 11 fields. The left sidebar contains navigation options: 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 shows the following fields:

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 'Fields & Relationships' section is active, displaying a list of 6 fields. The left sidebar contains navigation options: 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 shows the following fields:

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 list of 9 fields. The fields are sorted by Field Label. The table below lists the fields:

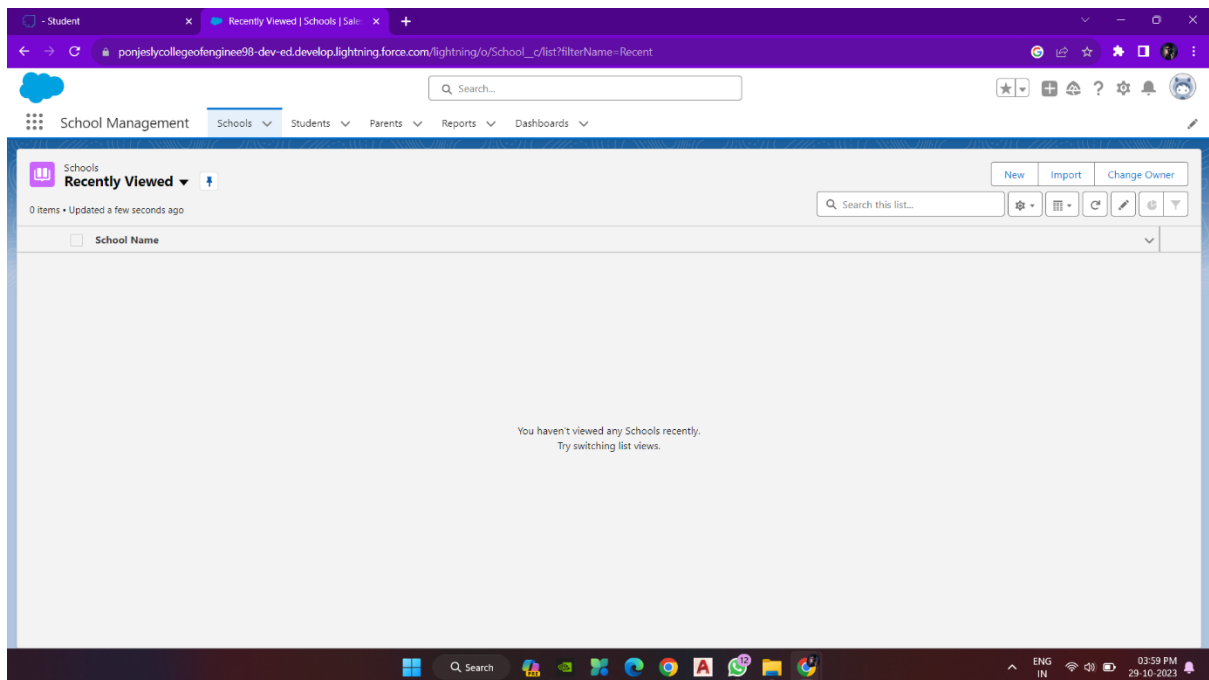
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(8, 2)		
Created By	CreatedById	Lookup(User)		
E-Mail	E_Mail__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(8, 2)		
Phone Number	Phone_Number__c	Phone		
Results	Results__c	Picklist		
School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

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

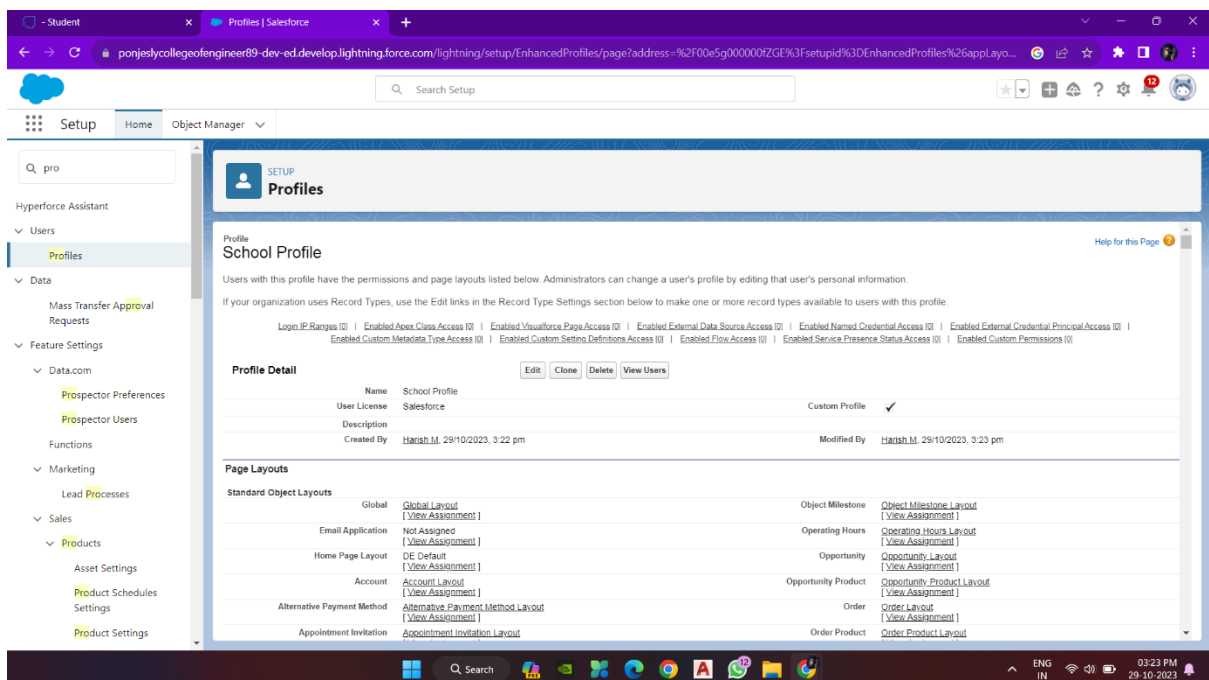
The screenshot shows the Salesforce Setup interface for 'Custom Tabs'. The left sidebar contains a navigation menu with options like tabs, User Interface, Rename Tabs and Labels, and Tabs. The main content area is titled 'Custom Tabs' and provides information on how to create custom tabs. Below the information, there are three sections for defining custom tabs:

- Custom Object Tabs:** This section shows a table with columns for Action, Label, Tab Style, and Description. The table lists three tabs: 'Parents' (Bank style), 'Schools' (Books style), and 'Students' (Laptop style).
- Web Tabs:** This section shows a message: 'No Web Tabs have been defined'.
- Visualforce Tabs:** This section shows a message: 'No Visualforce Tabs have been defined'.
- Lightning Component Tabs:** This section shows a message: 'No Lightning component tabs have been defined'.

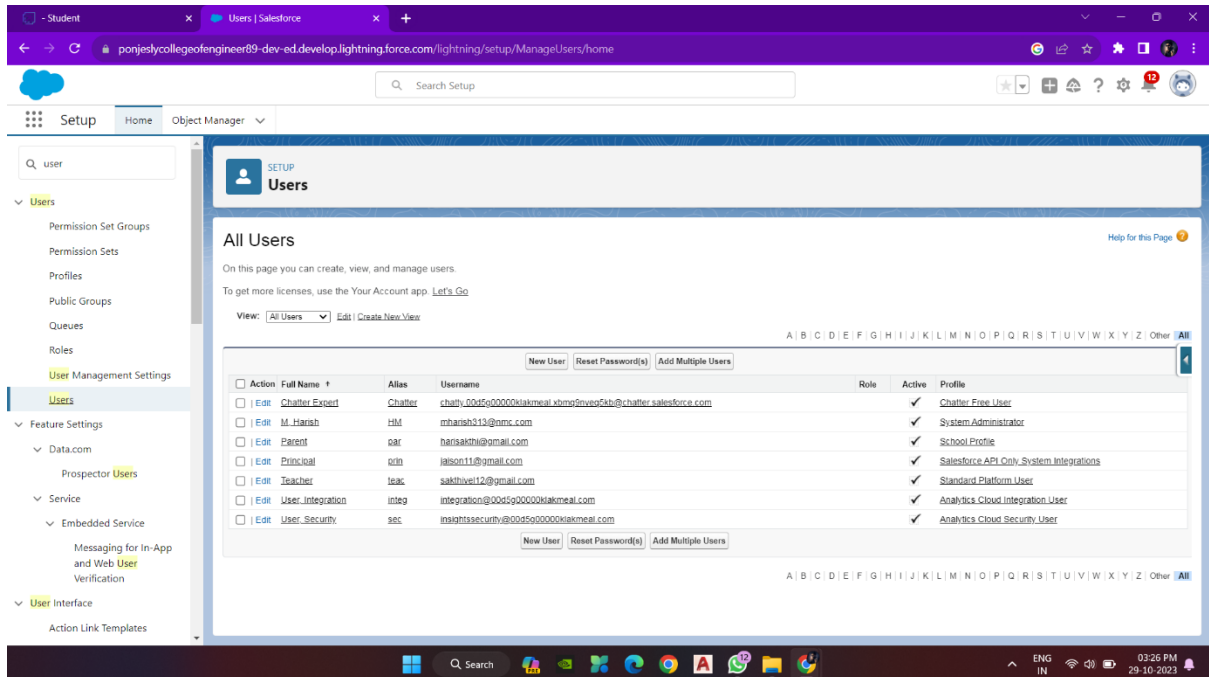
## STEP 5 : Create a Lightning App



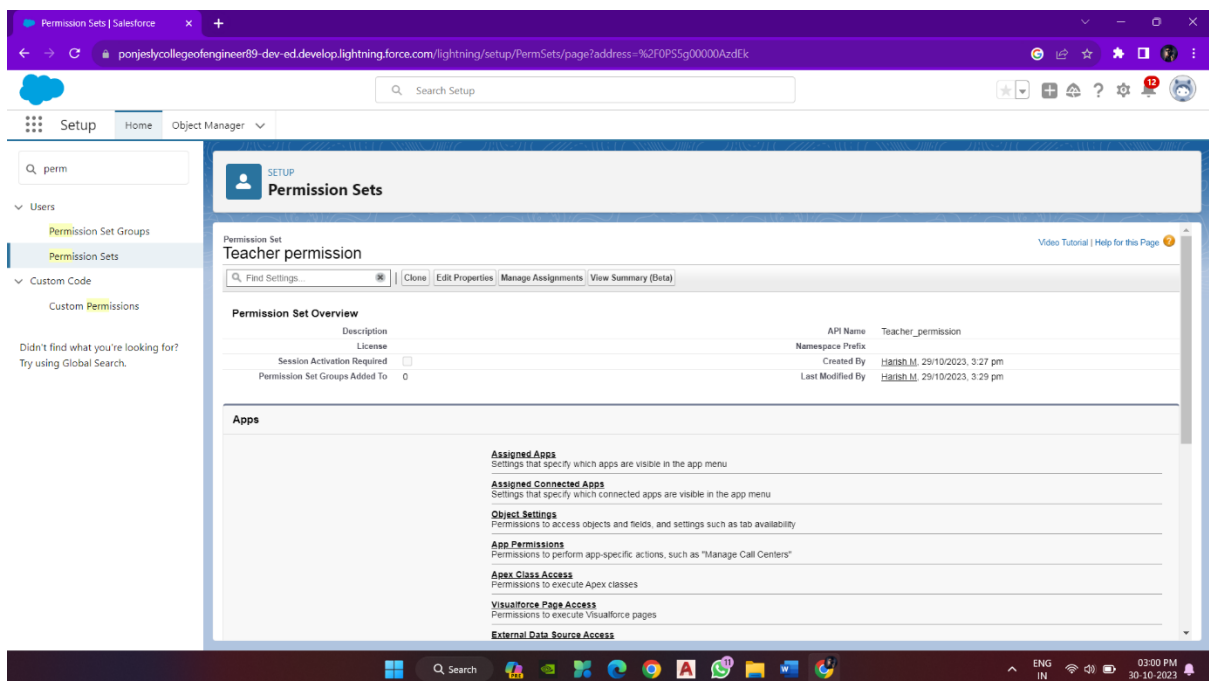
## STEP 6 : Create the School Profile

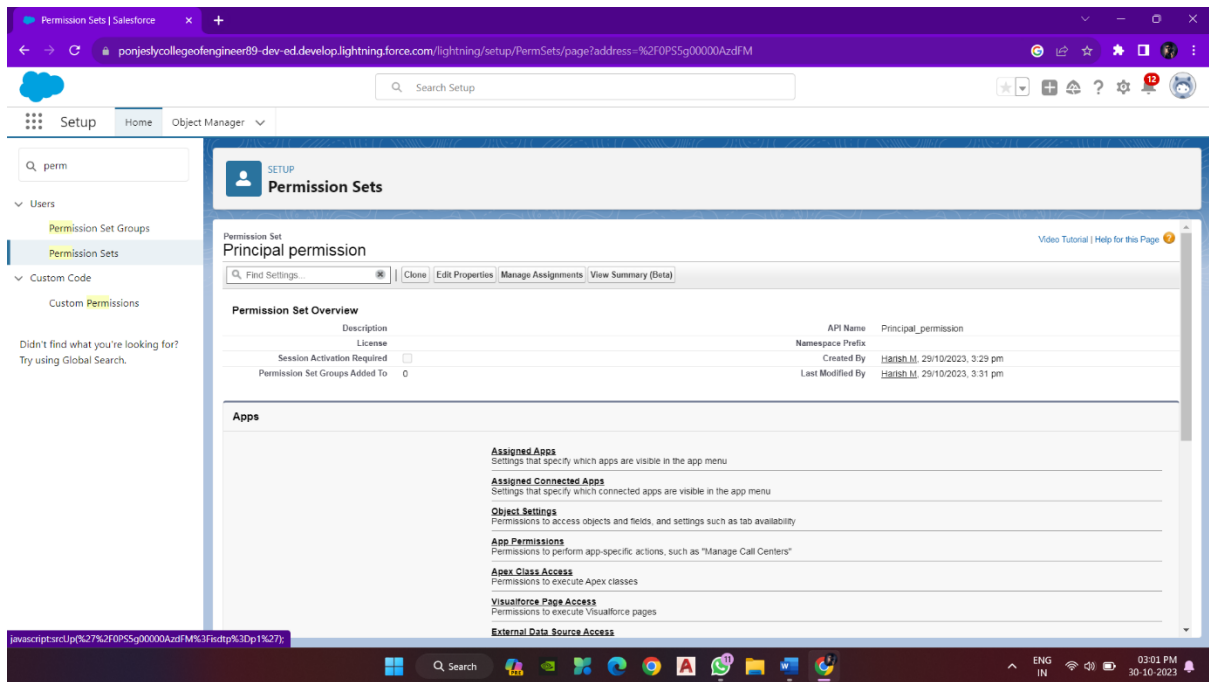


### STEP 7 : Create the Users (Teacher, Parent, Principal)

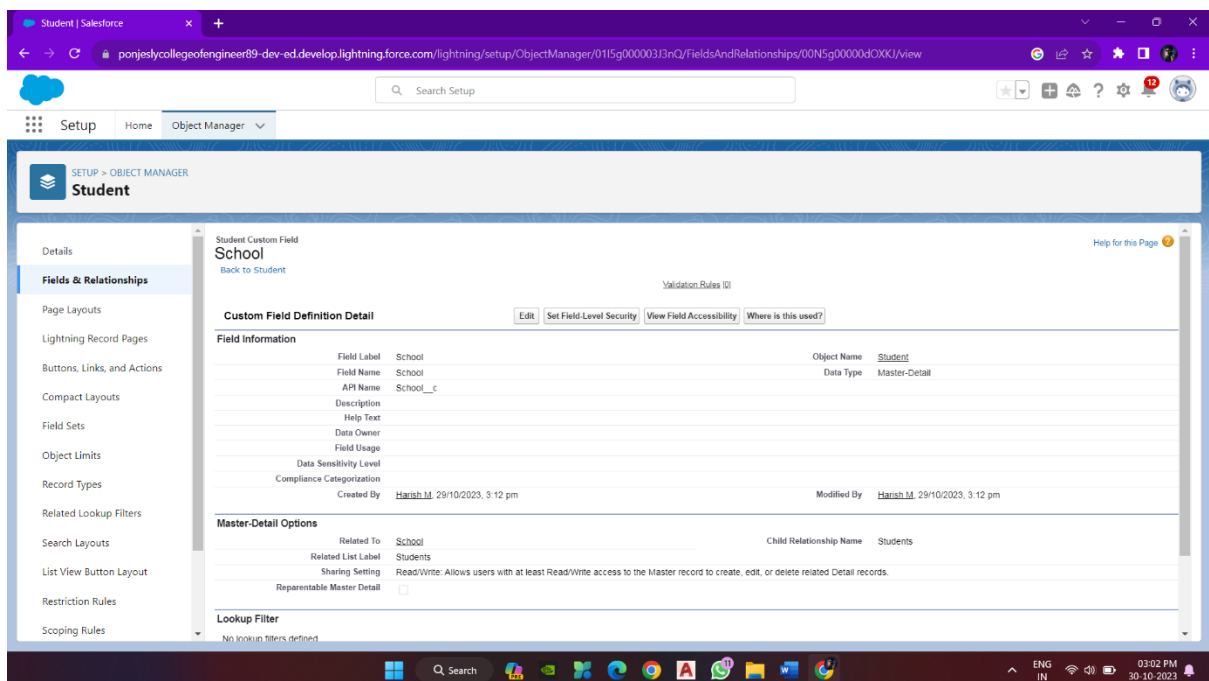


### STEP 8 : Create the Permission Set for the User's





## 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' tab is active, displaying a 'Recent' section with 2 items. A table lists the reports:

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	

The left sidebar shows navigation options: REPORTS (Recent, Created by Me, Private Reports, Public Reports, All Reports), FOLDERS (All Folders, Created by Me, Shared with Me), and FAVORITES (All Favorites). The bottom status bar shows the system time as 03:40 PM on 29-10-2023.

## STEP 11 : Deleting Records

The screenshot shows the Salesforce Lightning App interface with the 'Schools' tab active. The 'Recently Viewed' section displays 2 items: 'Jack Sparrow pre School' and 'Jack Sparrow High School'. A 'Delete School' dialog box is open, asking for confirmation to delete a school. The dialog box contains the text 'Delete School' and 'Are you sure you want to delete this School?' with 'Cancel' and 'Delete' buttons.

## 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 tree view on the left with "Triggers" selected. The main area displays a table with the following data:

Entity Type	Entities	Related
Entity Type	Name	Namespace
Classes	schoolHandler	

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

```
1 trigger SchoolTrigger on School__c (before delete) {  
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```
- Entity Explorer:** A window titled "Open" showing a tree view on the left with "Triggers" selected. The main area displays a table with the following data:

Entity Type	Entities	Related
Entity Type	Name	Namespace
Classes	Internalmarks	

## STEP 13 : Create a Flow

