

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

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

**COLLEGE:** PONJESLY COLLEGE OF ENGINEERING.

**DONE BY:**

HARISAKTHI.S

REG NO: 961820114312

NM ID: 3A11A45D79665EE88B9409AD1E98C162

## STEP 1: Create a Salesforce Account

The screenshot shows a Salesforce user profile for Hari Sakthi. The profile includes a profile picture, a bio, and a list of details. The details section is divided into two columns: personal information and company information. The personal information column includes fields for Name, Title, Email, and Address. The company information column includes fields for Manager, Company Name, Phone, and Mobile. The company name is "Ponjesly college of engineering". The profile also features a "Details" tab and a "Related" section with "Groups (0)" and "Files (0)".

**Details**

Field	Value
Name	Hari Sakthi
Title	
Email	sakthisanjay882001@gmail.com
Address	IN
Manager	
Company Name	Ponjesly college of engineering
Phone	
Mobile	

**Related**

- Groups (0)
- Files (0)
- Upload Files

## 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

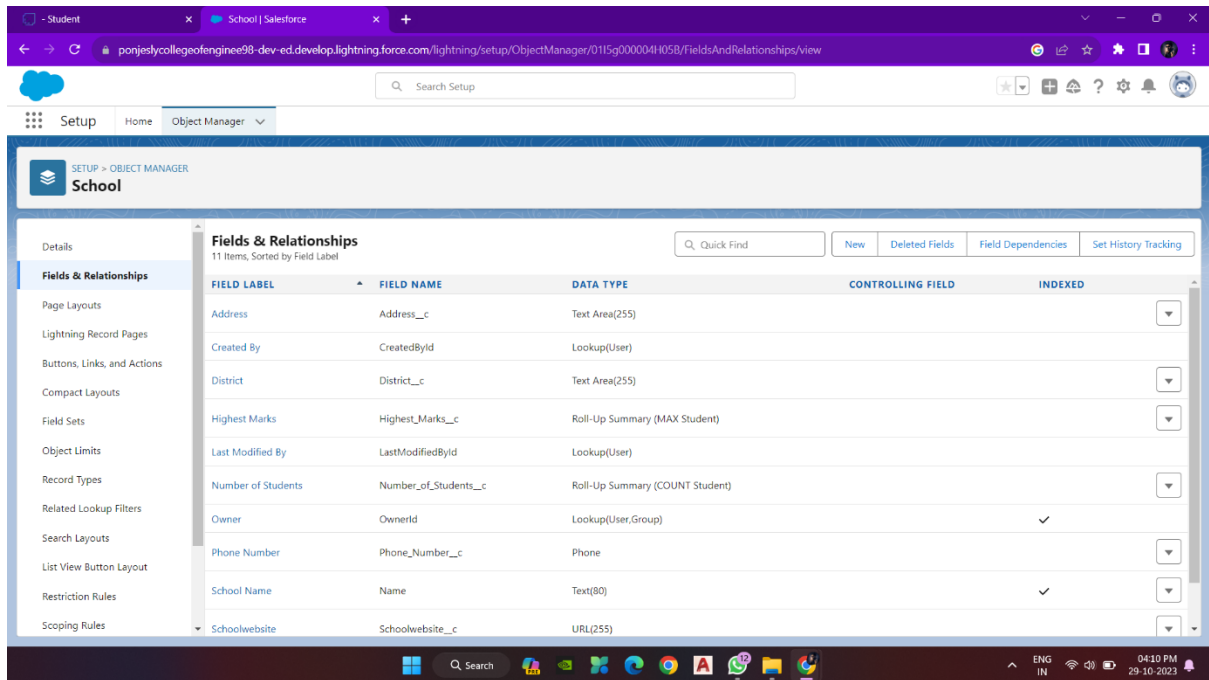
1 Items, Sorted by Label

Student

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

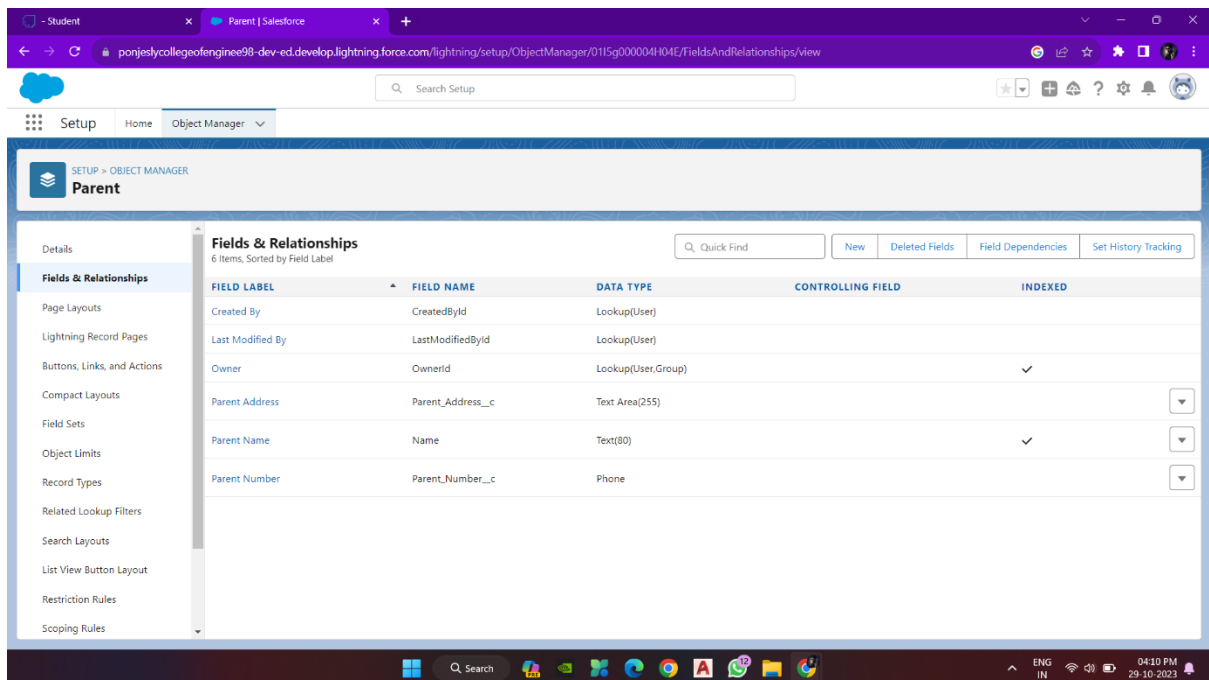
ENG IN 03:55 PM 29-10-2023

### 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 a list of 11 fields. The fields are sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Address (Text Area(255)), Created By (Lookup(User)), District (Text Area(255)), Highest Marks (Roll-Up Summary (MAX Student)), Last Modified By (Lookup(User)), Number of Students (Roll-Up Summary (COUNT Student)), Owner (Lookup(User,Group)), Phone Number (Phone), School Name (Text(80)), and Schoolwebsite (URL(255)).

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 a list of 6 fields. The fields are sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Created By (Lookup(User)), Last Modified By (Lookup(User)), Owner (Lookup(User,Group)), Parent Address (Text Area(255)), Parent Name (Text(80)), and Parent Number (Phone).

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.

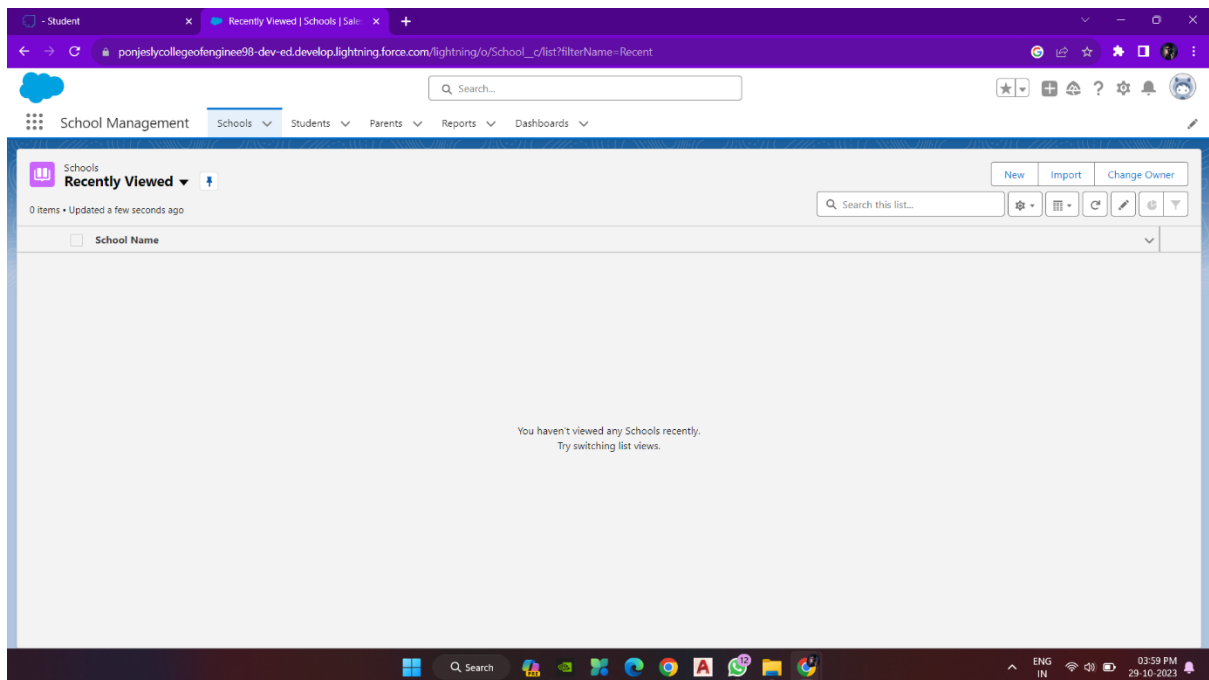
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(8, 2)		
Created By	CreatedById	Lookup(User)		
E-Mail	E_Mail__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(8, 2)		
Phone Number	Phone_Number__c	Phone		
Results	Results__c	Picklist		
School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

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

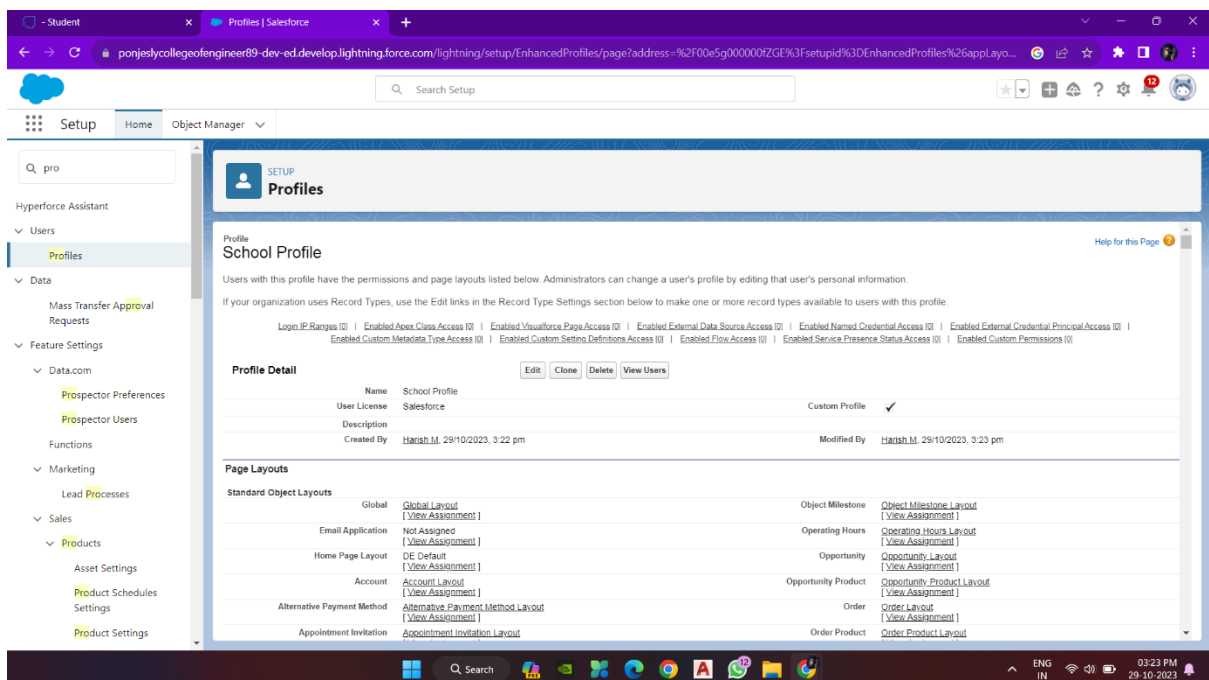
The screenshot shows the Salesforce Setup interface for the 'Custom Tabs' section. The left sidebar contains a navigation menu with options like tabs, User Interface, Rename Tabs and Labels, and Tabs. The main content area is titled 'Custom Tabs' and provides information on how to create custom tabs.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

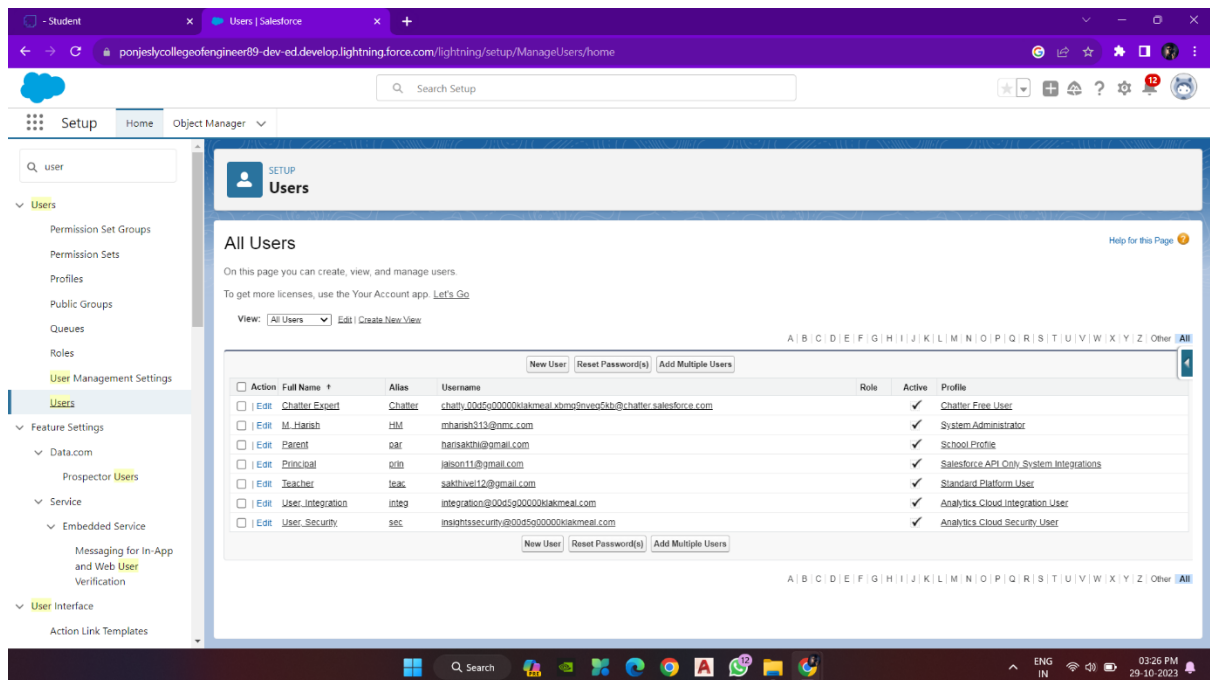
## STEP 5 : Create a Lightning App



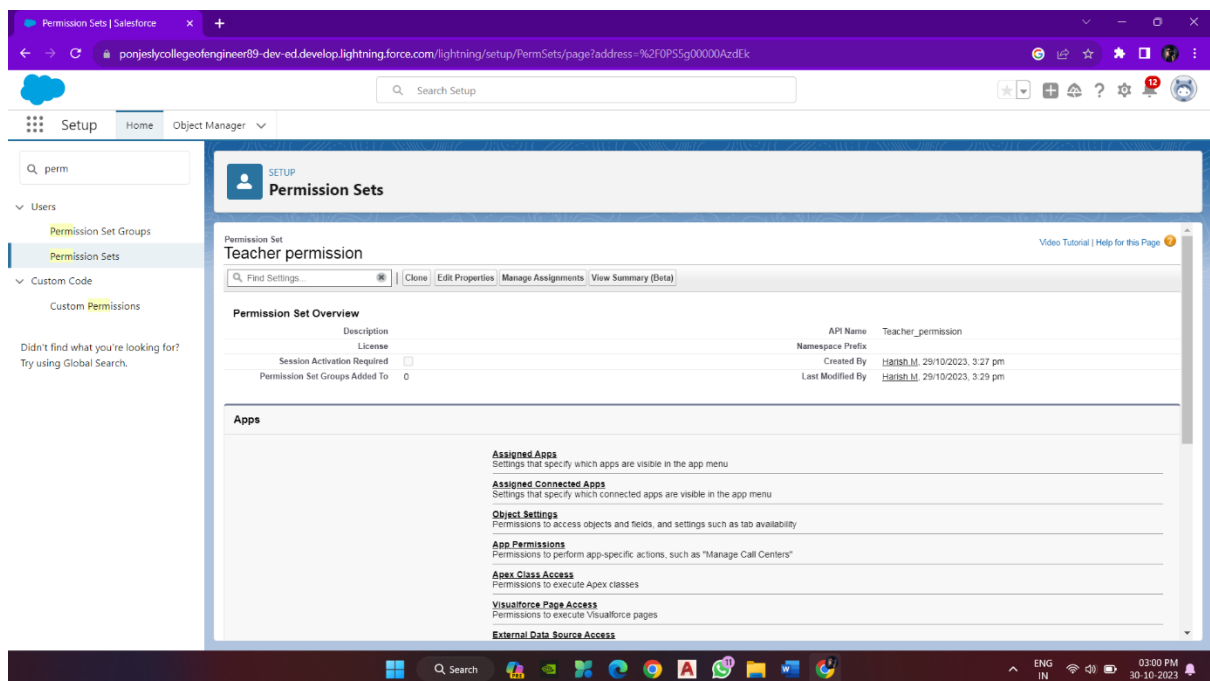
## STEP 6 : Create the School Profile

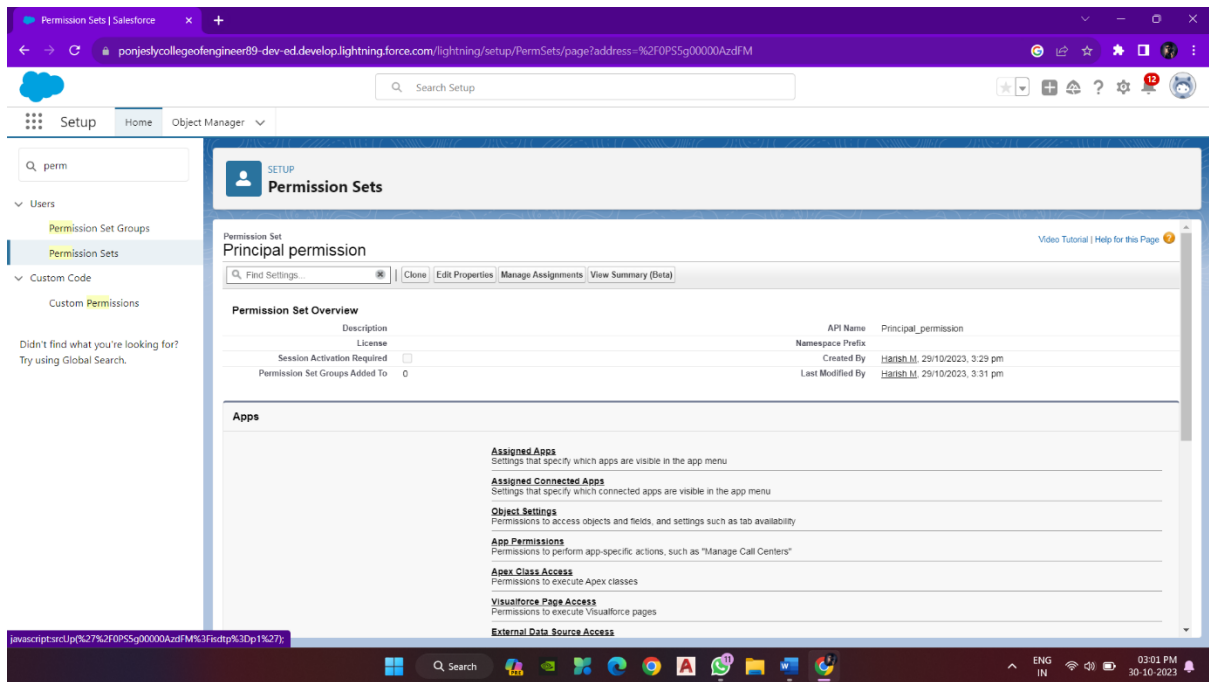


### STEP 7 : Create the Users (Teacher, Parent, Principal)

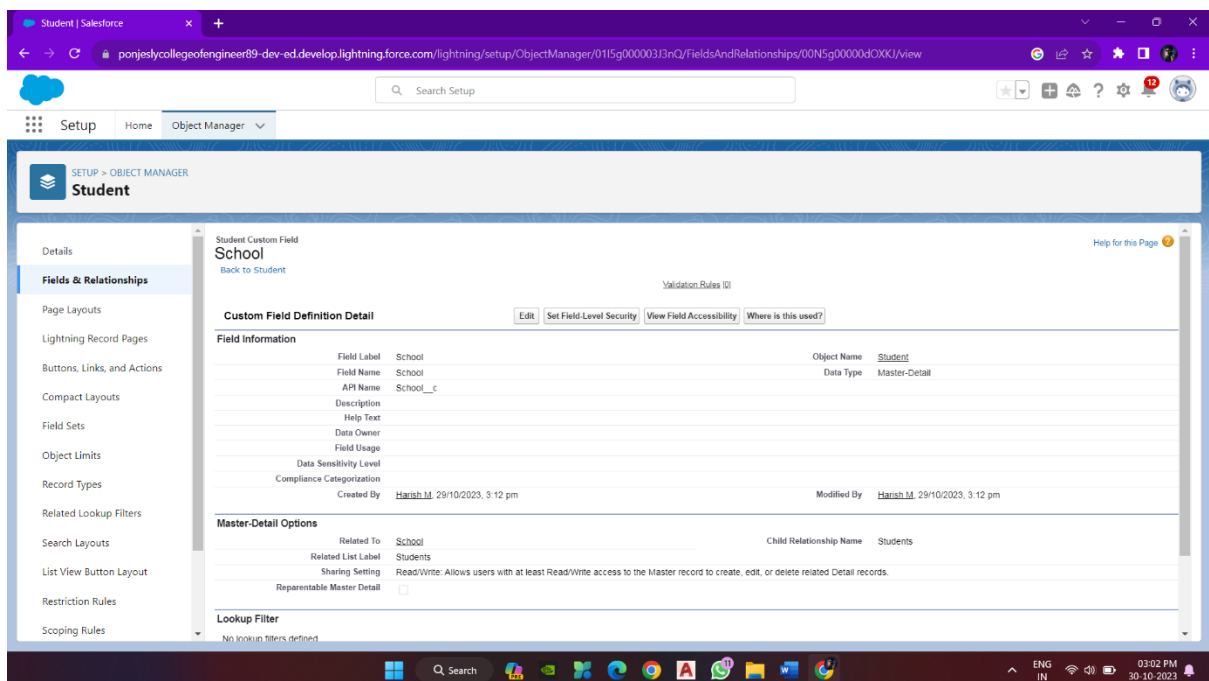


### STEP 8 : Create the Permission Set for the User's



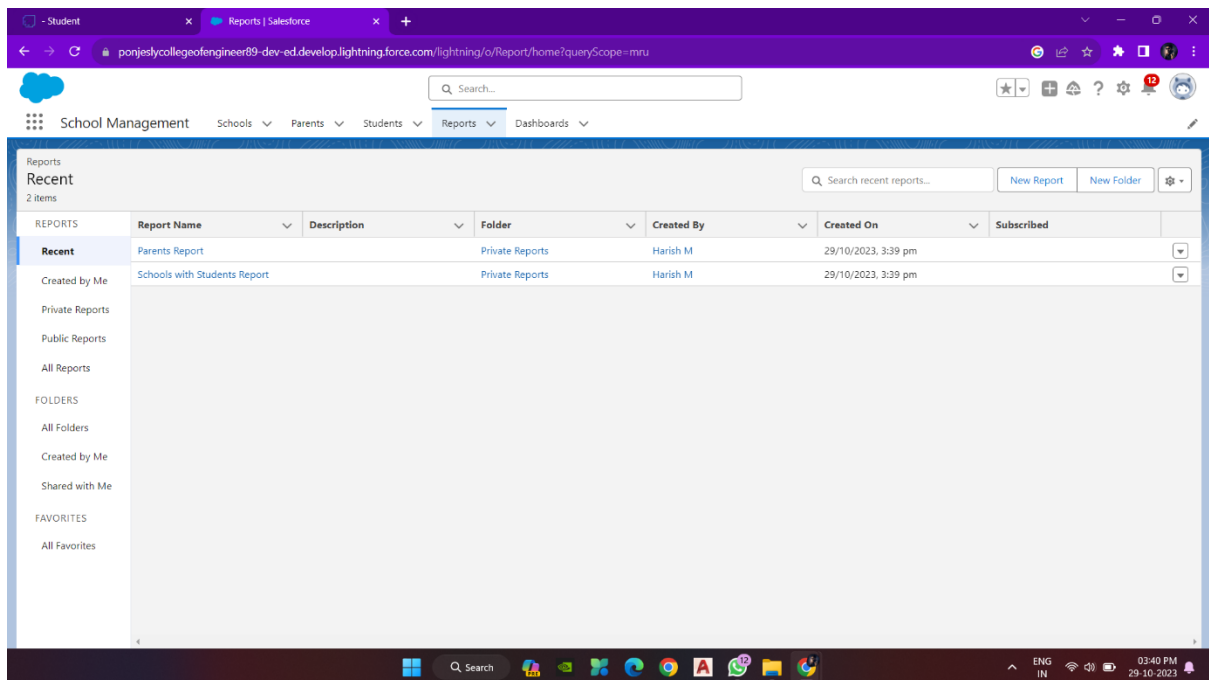


## STEP 9 : Create Master Detail relationship





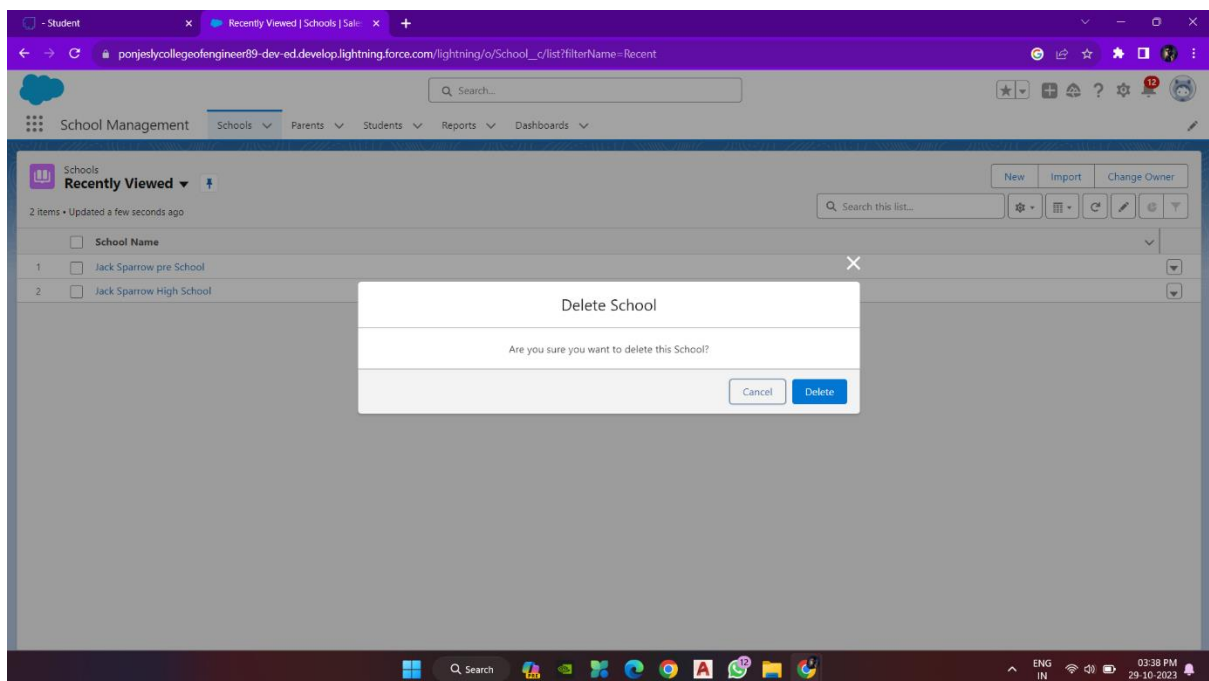
## STEP 10 : Create Records in Lightning App



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 navigation options for Reports, Folders, and 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 confirmation dialog box titled 'Delete School' is displayed, asking 'Are you sure you want to delete this School?'. The dialog has 'Cancel' and 'Delete' buttons. In the background, a table lists two schools: 'Jack Sparrow pre School' and 'Jack Sparrow High School'. The top navigation bar includes 'School Management', 'Schools', 'Parents', 'Students', 'Reports', and 'Dashboards'.

School Name
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 Apex Trigger code for `SchoolTrigger` on `School__c` (before delete). The code is as follows:

```
1 trigger SchoolTrigger on School__c (before delete) {  
2     if(trigger.isDelete){
```

The Entity Explorer on the right shows the following entities:

Entity Type	Entities	Related
Entity Type	Name	Namespace
Classes	schoolHandler	
Triggers		
Pages		
Page Components		
Objects		
Static Resources		
Packages		

The screenshot shows the Salesforce Developer Console with the Apex Trigger code for `SchoolTrigger` on `School__c` (before delete). The code is as follows:

```
1 trigger SchoolTrigger on School__c (before delete) {  
2     if(trigger.isDelete){
```

The Entity Explorer on the right shows the following entities:

Entity Type	Entities	Related
Entity Type	Name	Namespace
Classes	Internalmarks	
Triggers		
Pages		
Page Components		
Objects		
Static Resources		
Packages		

## STEP 13 : Create a Flow

