

NAAN MUDHALVAN
SALESFORCE DEVELOPER PROJECT REPORT

PROJECT TITLE: CREATION OF AN APPLICATION FOR SCHOOL
MANAGEMENT

COLLEGE: PONJESLY COLLEGE OF ENGINEERING.

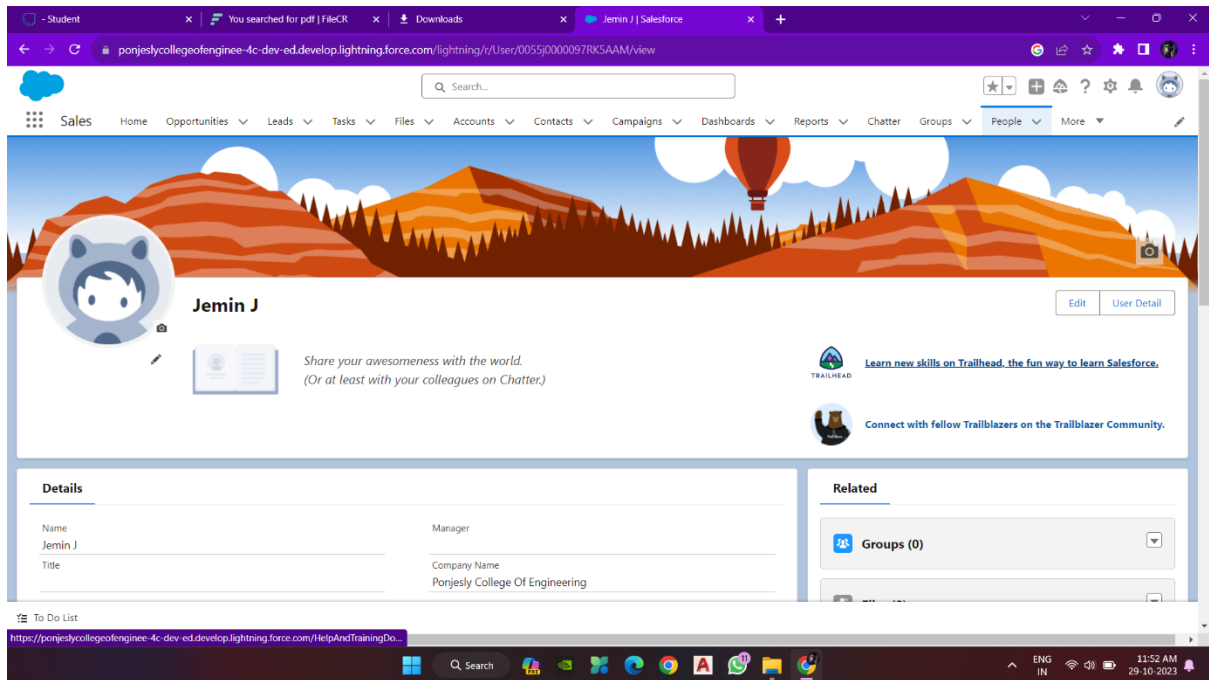
DONE BY:

JEMIN.J

REG NO: 961820114038

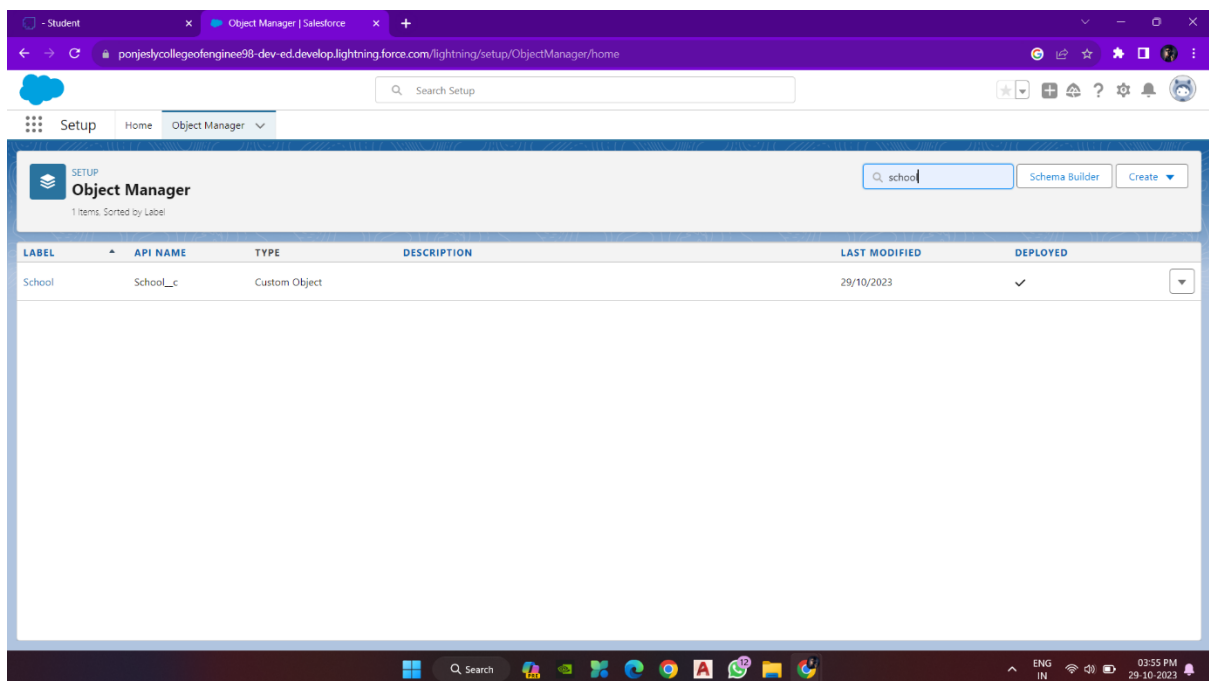
NM ID: 7901AEF8BEC0B858FF84B71E59FE7DE7

STEP 1 : Create a Salesforce Account



The screenshot shows a Salesforce user profile for 'Jemin J'. The profile includes a header with a search bar and navigation tabs (Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports, Chatter, Groups, People, More). The profile picture is a cartoon character. The bio reads: 'Share your awesomeness with the world. (Or at least with your colleagues on Chatter.)'. The 'Details' section shows the user's name as 'Jemin J' and their company as 'Ponjesly College Of Engineering'. The 'Related' section shows 'Groups (0)'. The browser address bar shows the URL: 'ponjeslycollegeofenginee-4c-dev-ed.develop.lightning.force.com/lightning/r/User/005500000978K5AAM/view'. The Windows taskbar at the bottom shows the time as 11:52 AM on 29-10-2023.

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



The screenshot shows the Salesforce Object Manager interface. The header includes a search bar and navigation tabs (Setup, Home, Object Manager). The 'Object Manager' section shows a list of objects. The table below displays the details of the 'School' object.

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

The browser address bar shows the URL: 'ponjeslycollegeofenginee98-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home'. The Windows taskbar at the bottom shows the time as 03:55 PM on 29-10-2023.

Object Manager | Salesforce

ponjeslycollegeofengineer98-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

Object Manager | Salesforce

ponjeslycollegeofengineer98-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home

Search Setup

Setup Home Object Manager

Object Manager

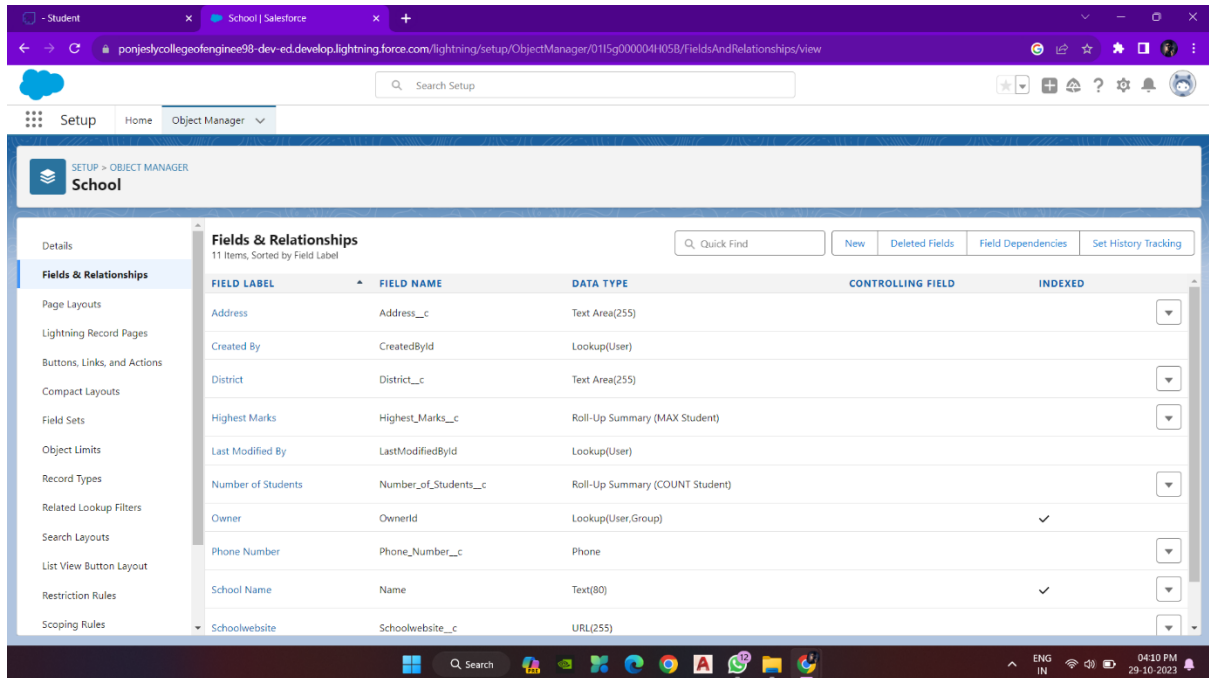
1 Items, Sorted by Label

Student

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

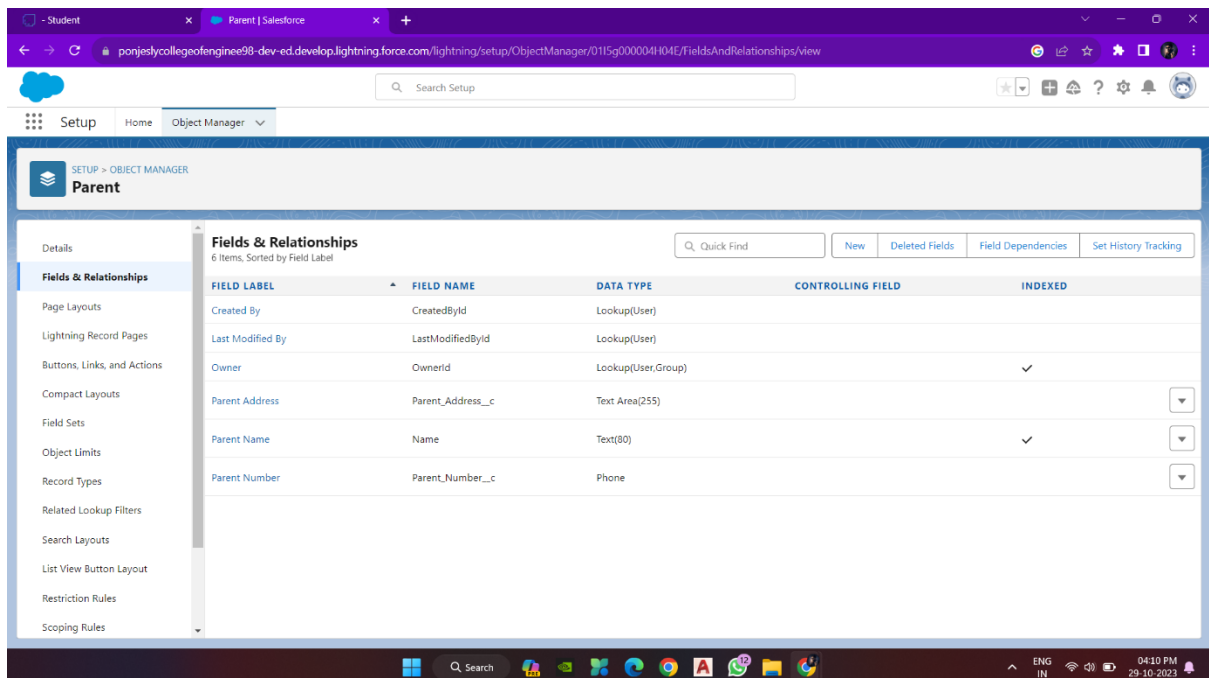
ENG IN 03:55 PM 29-10-2023

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: Details, Fields & Relationships (selected), 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 for the 'School' object.

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: Details, Fields & Relationships (selected), 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 for the 'Parent' object.

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.

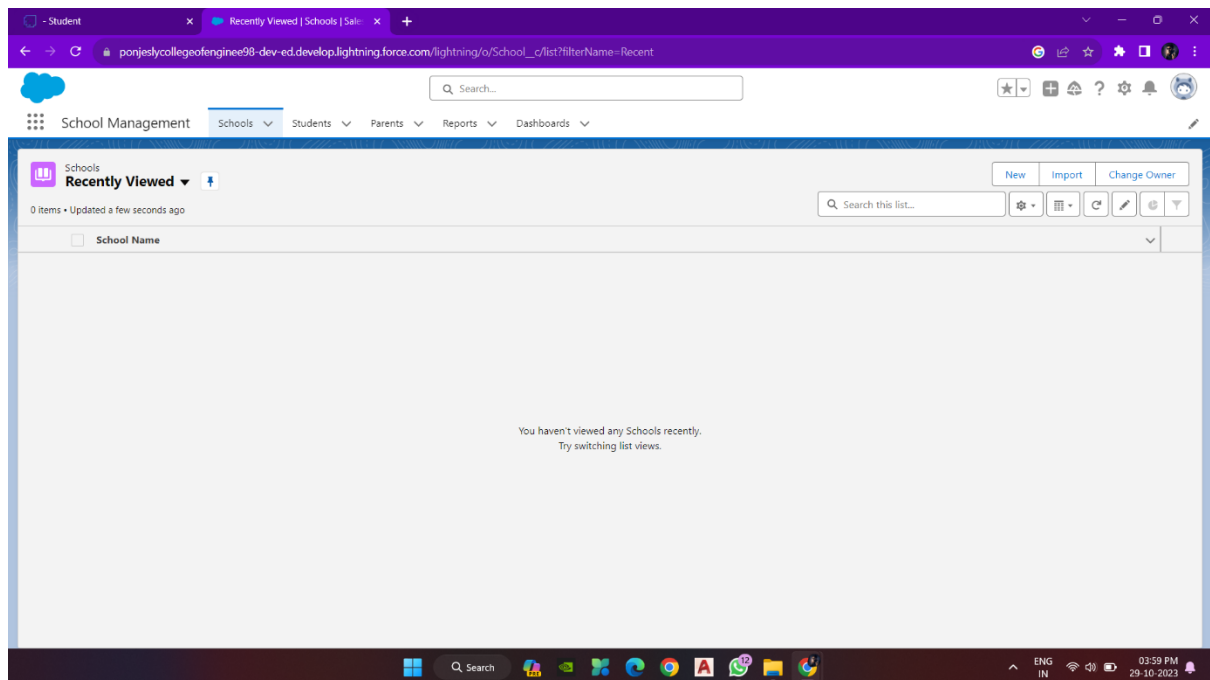
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(8, 2)		
Created By	CreatedById	Lookup(User)		
E-Mail	E_Mail__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(8, 2)		
Phone Number	Phone_Number__c	Phone		
Results	Results__c	Picklist		
School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

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

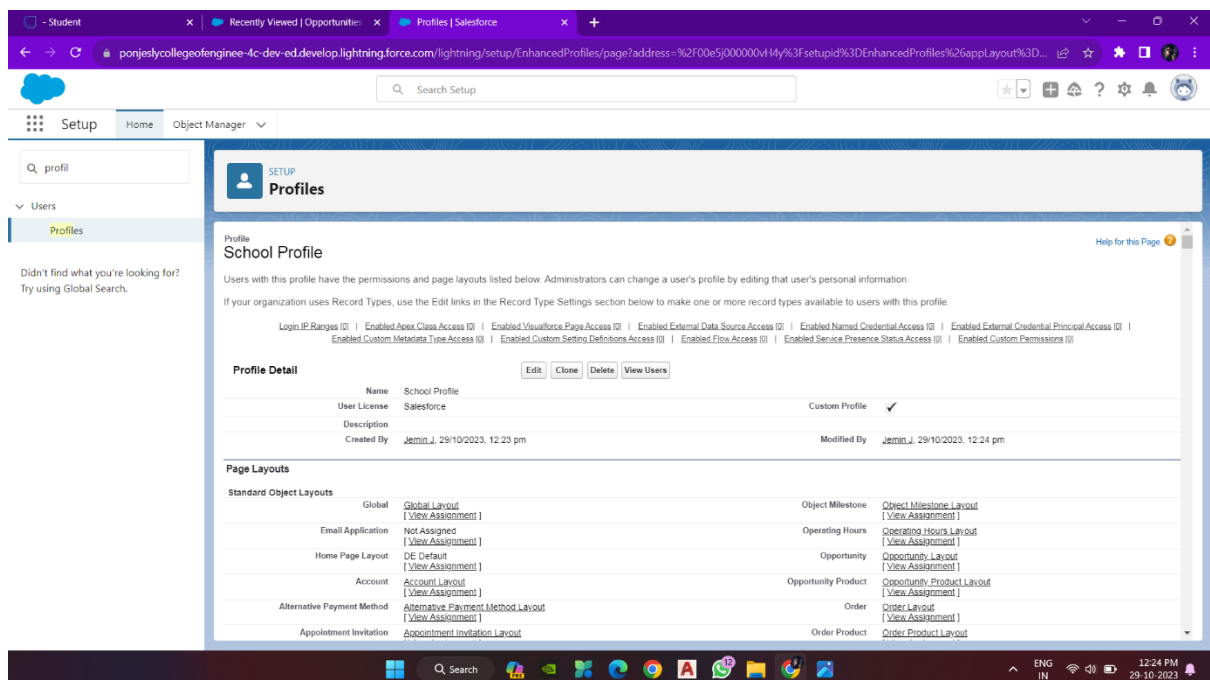
The screenshot shows the Salesforce Setup interface for the 'Tabs' configuration. The left sidebar contains a navigation menu with options like User Interface, Rename Tabs and Labels, and Tabs. The main content area is titled 'Custom Tabs' and provides instructions on how to create custom tabs. Below the instructions, there are sections for Custom Object Tabs, Web Tabs, Visualforce Tabs, and Lightning Component Tabs. The Custom Object Tabs section shows a table with columns for Action, Label, Tab Style, and Description. The table lists three tabs: Parents, Schools, and Students, each with a corresponding tab style icon and description.

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)

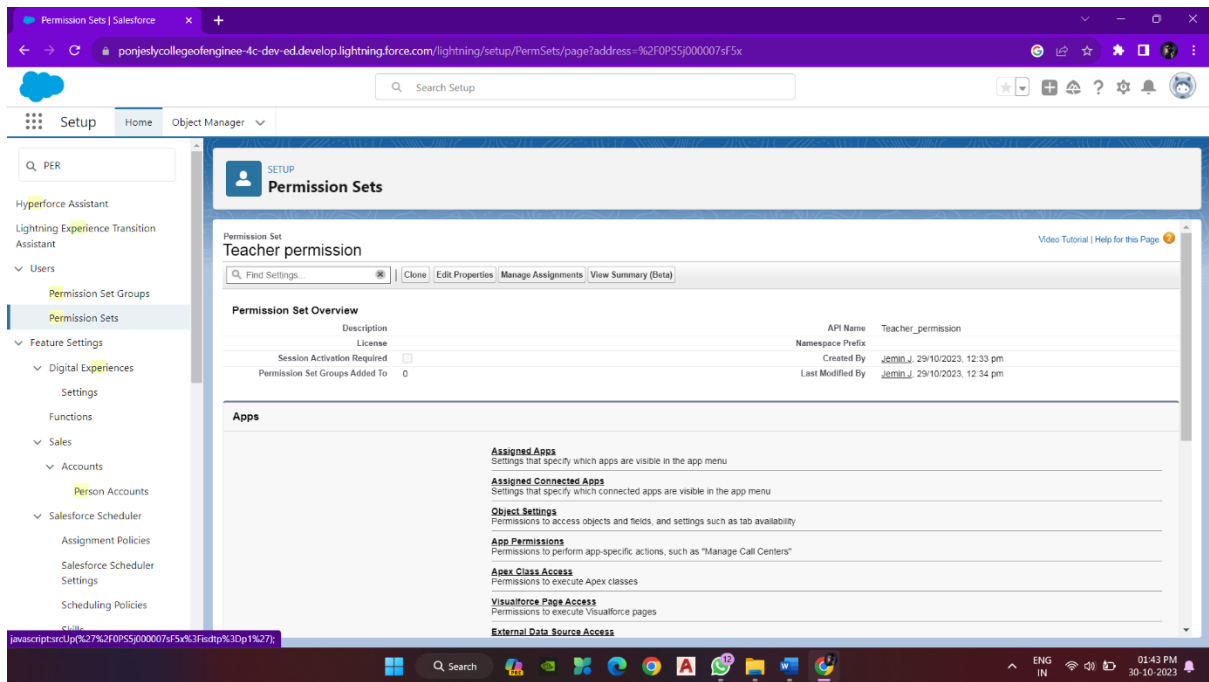
The screenshot shows the Salesforce Setup page for Users. The left sidebar contains a navigation menu with options like Setup, Home, Object Manager, and a search bar. The main content area is titled "All Users" and includes a table of existing users. The table has columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The users listed are Chatter Expert, J. Jamin, Parent, Principal, Teachers, User Integration, and User Security. The bottom of the screen shows a Windows taskbar with various application icons and system status indicators.

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty000500000chjreaf.116f7tup0u@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	J. Jamin	JJ	jamin@4651.com		✓	System Administrator
<input type="checkbox"/> Edit	Parent	par	hudson123@gmail.com		✓	School Profile
<input type="checkbox"/> Edit	Principal	prin	jamesai@gmail.com		✓	Standard Platform User
<input type="checkbox"/> Edit	Teachers	teac	hathacan112@gmail.com		✓	Standard Platform User
<input type="checkbox"/> Edit	User Integration	integ	integration@004500000chjreaf.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightsecurity@004500000chjreaf.com		✓	Analytics Cloud Security User

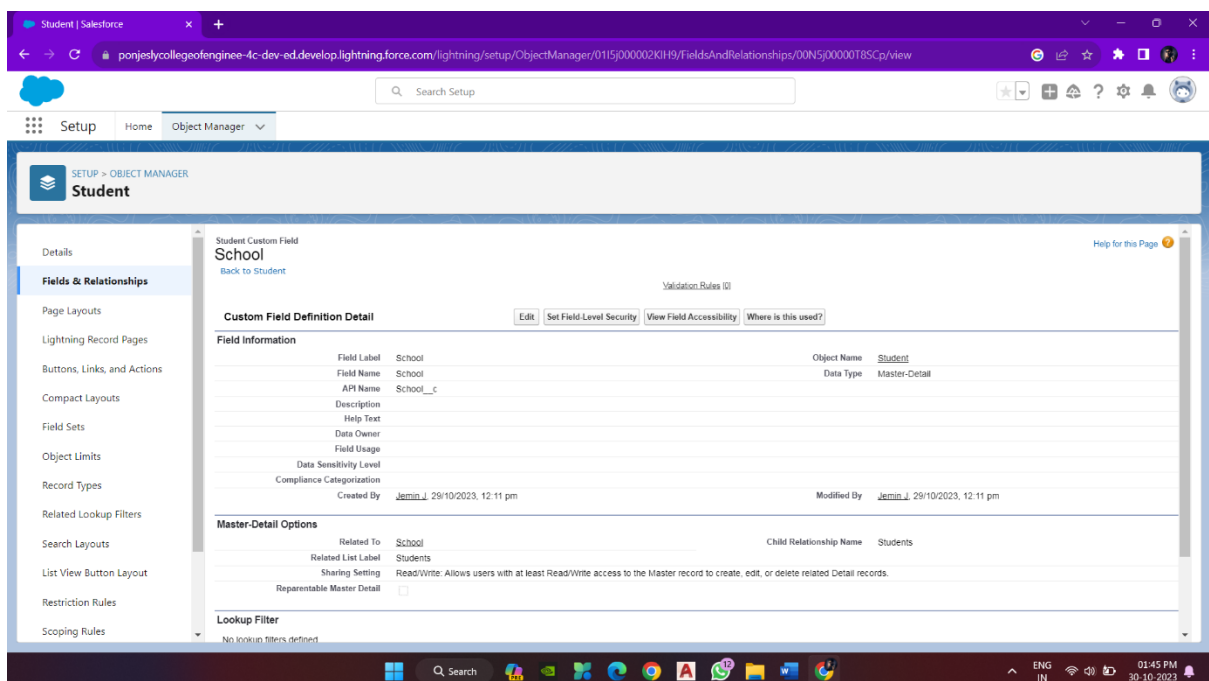
STEP 8 : Create the Permission Set for the User's

The screenshot shows the Salesforce Setup page for Permission Sets. The left sidebar contains a navigation menu with options like Setup, Home, Object Manager, and a search bar. The main content area is titled "Permission Sets" and includes a table of existing permission sets. The table has columns for Description, License, API Name, Namespace Prefix, Created By, and Last Modified By. The permission set listed is Principal permission. The bottom of the screen shows a Windows taskbar with various application icons and system status indicators.

Description	License	API Name	Namespace Prefix	Created By	Last Modified By
Principal permission		Principal_permission		Jamin J. 29/10/2023, 12:37 pm	Jamin J. 29/10/2023, 12:39 pm



STEP 9 : Create Master Detail relationship



STEP 10 : Create Records in Lightning App

Reports

Recent

2 items

Search recent reports...

New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Parents Report		Private Reports	Jemin J	29/10/2023, 12:50 pm	
Created by Me	schools with students report		Private Reports	Jemin J	29/10/2023, 12:49 pm	

Private Reports

Public Reports

All Reports

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

Report: Parents

Parents Report

Enable Field Editing

Add Chart

Edit

Total Records

0

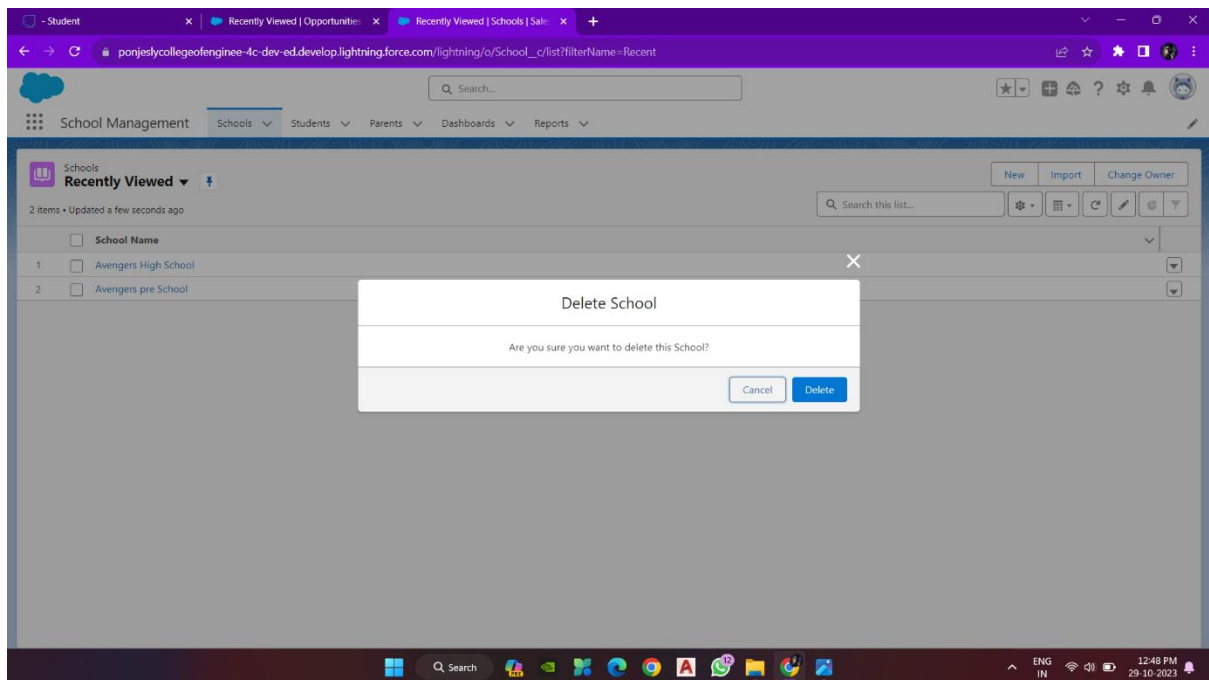
No Results

No records returned. Try editing report filters.

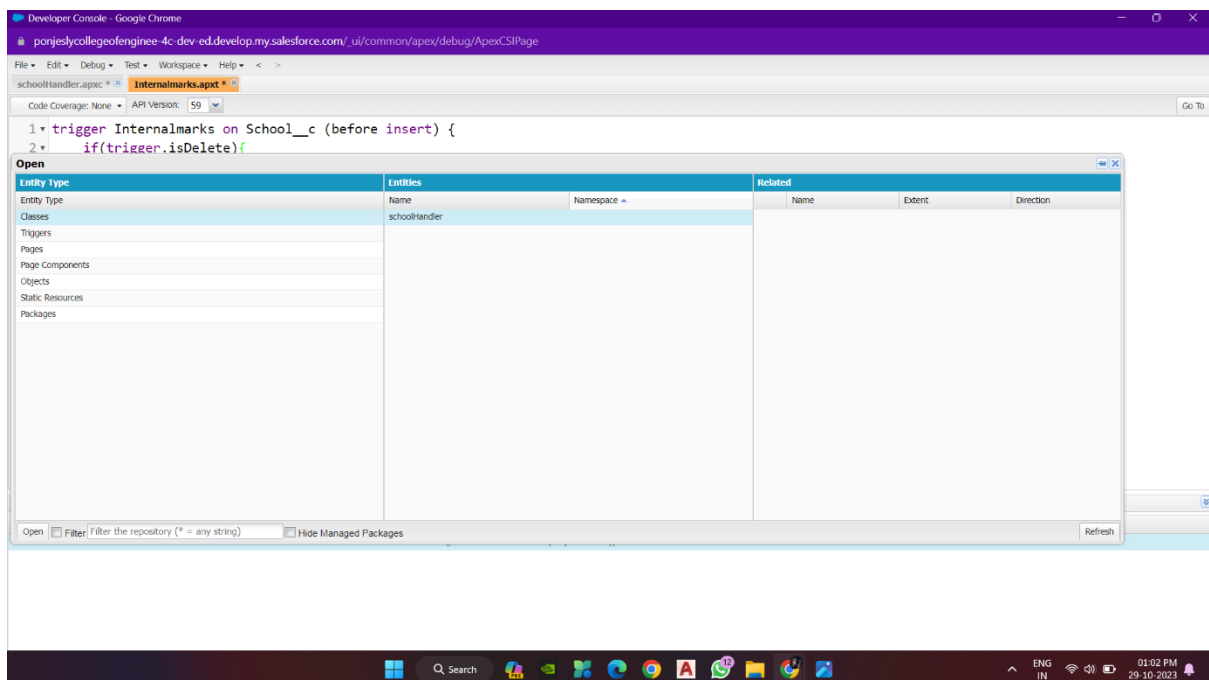
Show All parents.

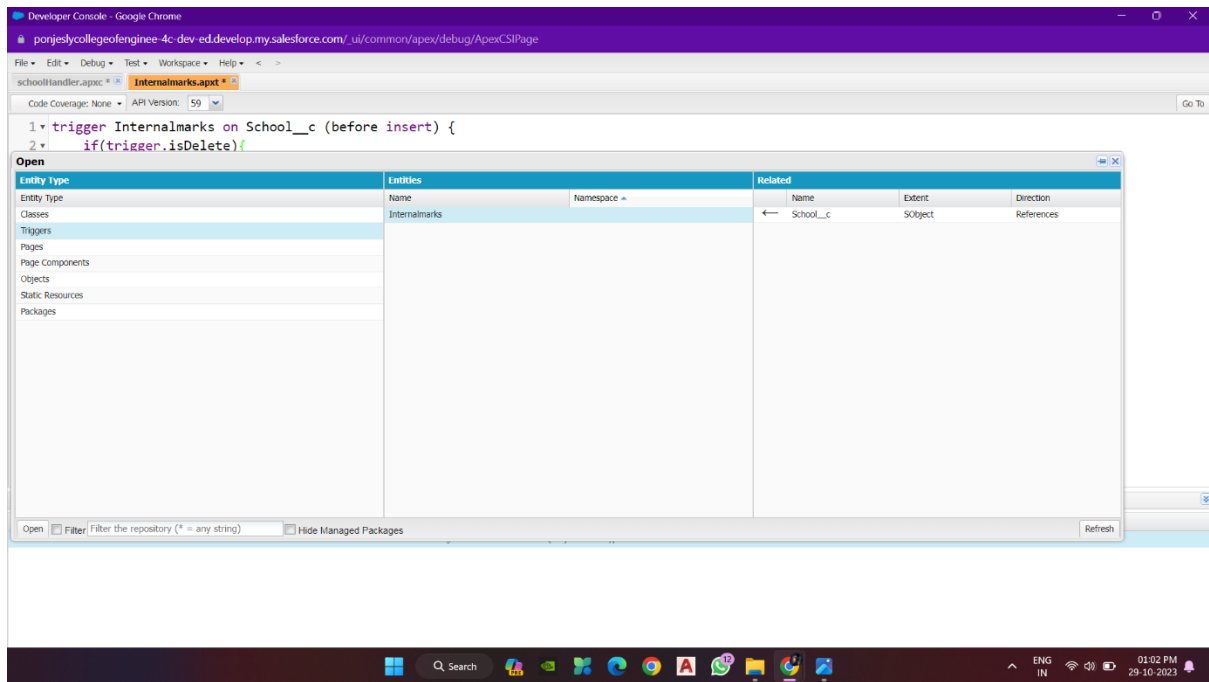
Edit other filters in the filter panel.

STEP 11 : Deleting Records



STEP 12 : Create Apex Class and Apex Trigger





STEP 13 : Create a Flow

