

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

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

**COLLEGE:** PONJESLY COLLEGE OF ENGINEERING.

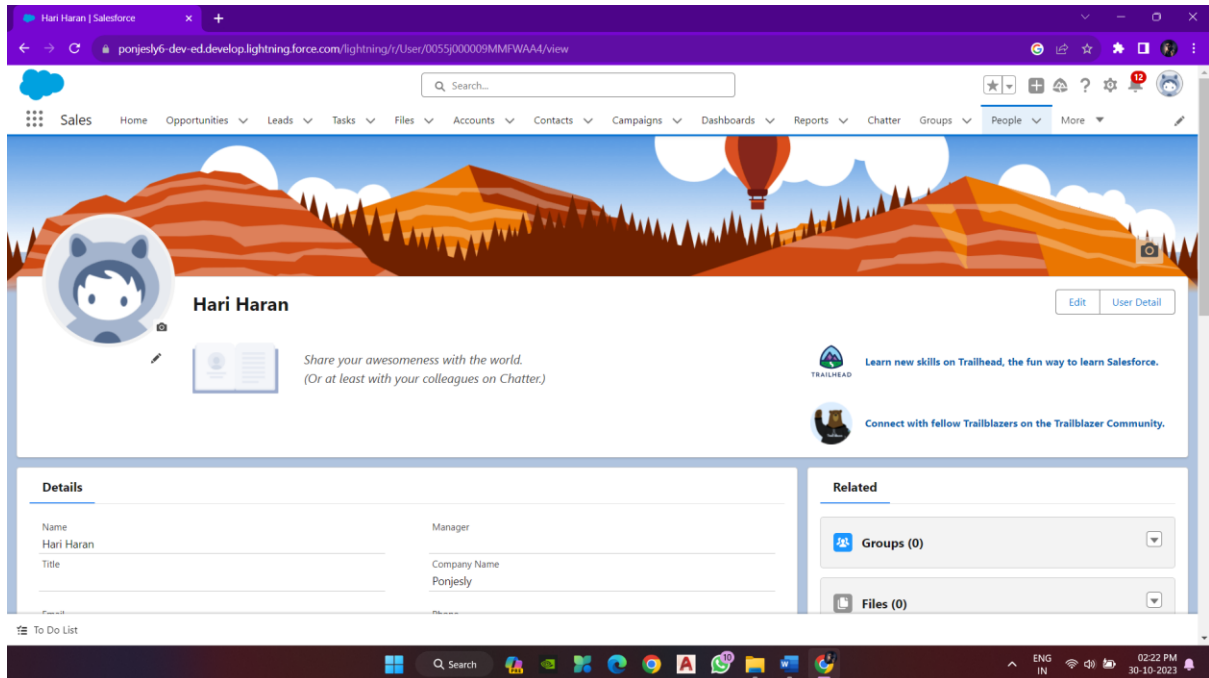
**DONE BY:**

HARI HARAN.B

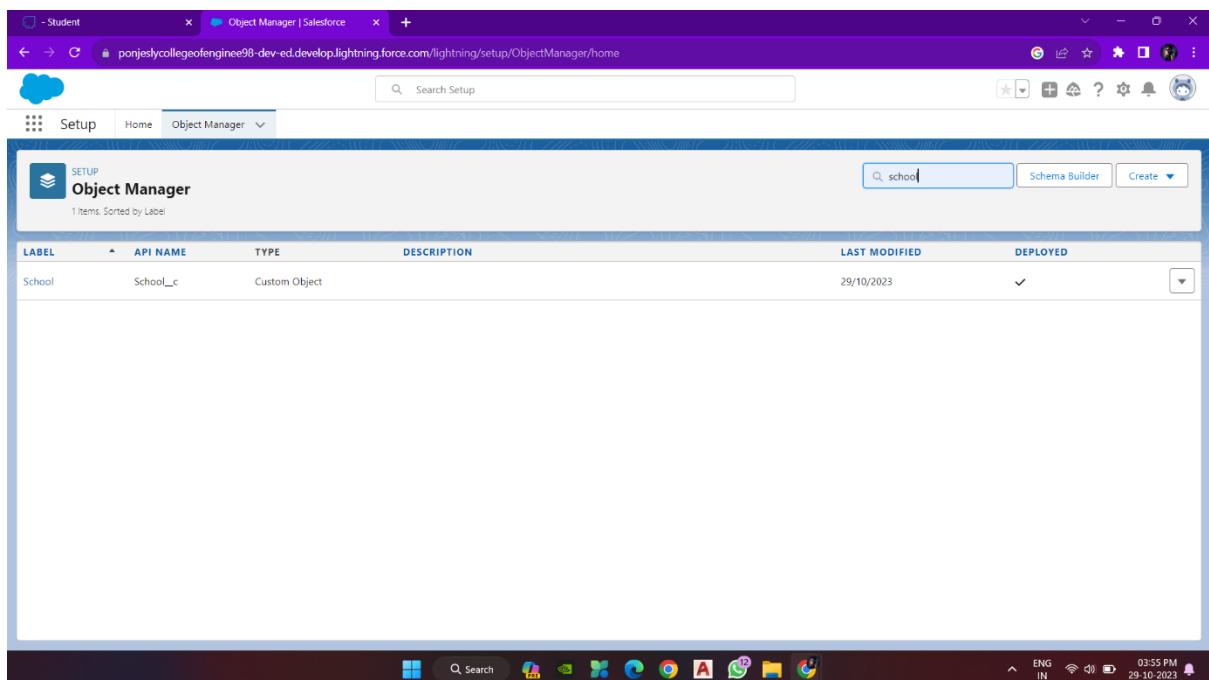
REG NO: 961820114033

NM ID: 1FD5E3A0F7BDA8692224F994FD66AE40

## STEP 1 : Create a Salesforce Account



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



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

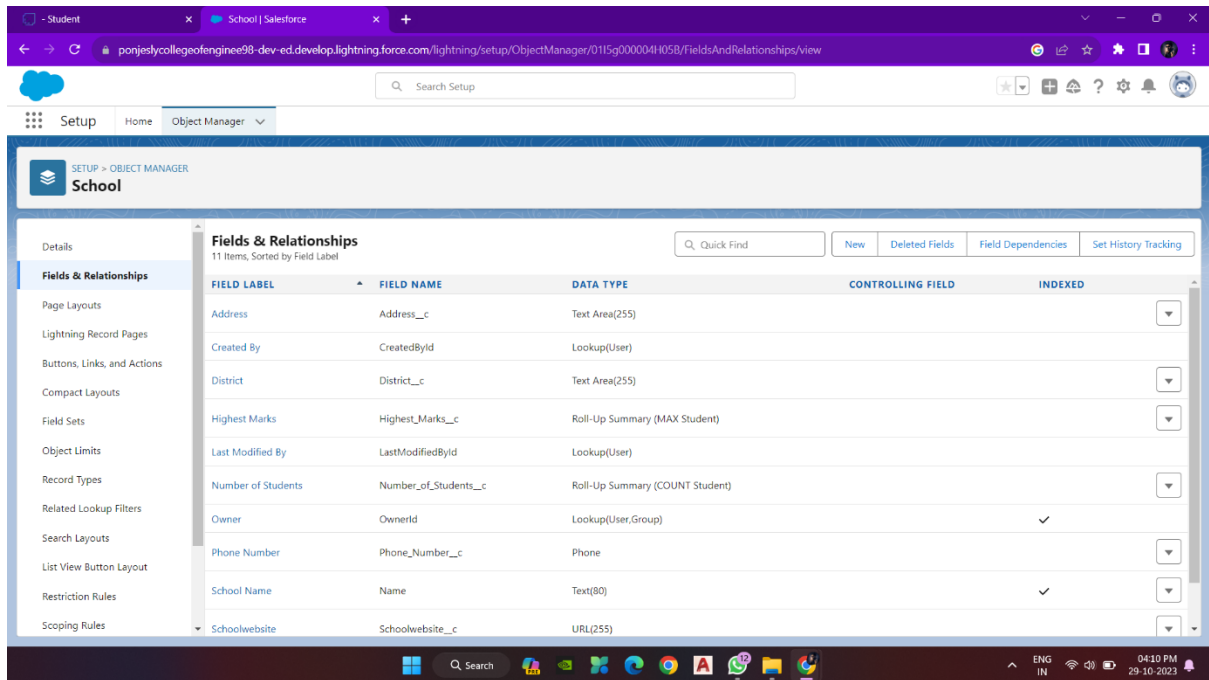
1 Items, Sorted by Label

Student

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

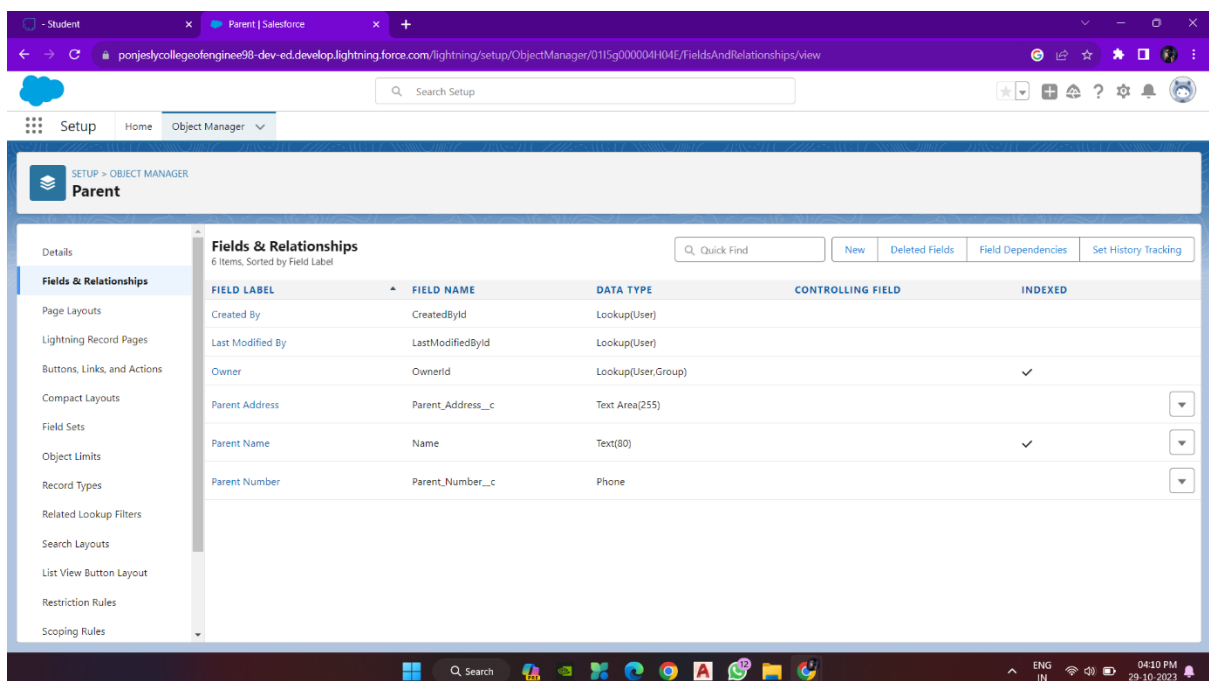
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### STEP 3 : Create Fields for respective objects (Schools, Student, Parents)



The screenshot shows the Salesforce Setup interface for the 'School' object. The 'Fields & Relationships' section is active, displaying a table of 11 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are: Address, Created By, District, Highest Marks, Last Modified By, Number of Students, Owner, Phone Number, School Name, and Schoolwebsite. The 'Owner' field is indexed, and 'School Name' is also indexed. The 'Number of Students' field is a Roll-Up Summary (COUNT Student).

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 table of 6 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are: Created By, Last Modified By, Owner, Parent Address, Parent Name, and Parent Number. The 'Owner' field is indexed, and 'Parent Name' is also indexed. The 'Parent Address' field is a Text Area(255).

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.

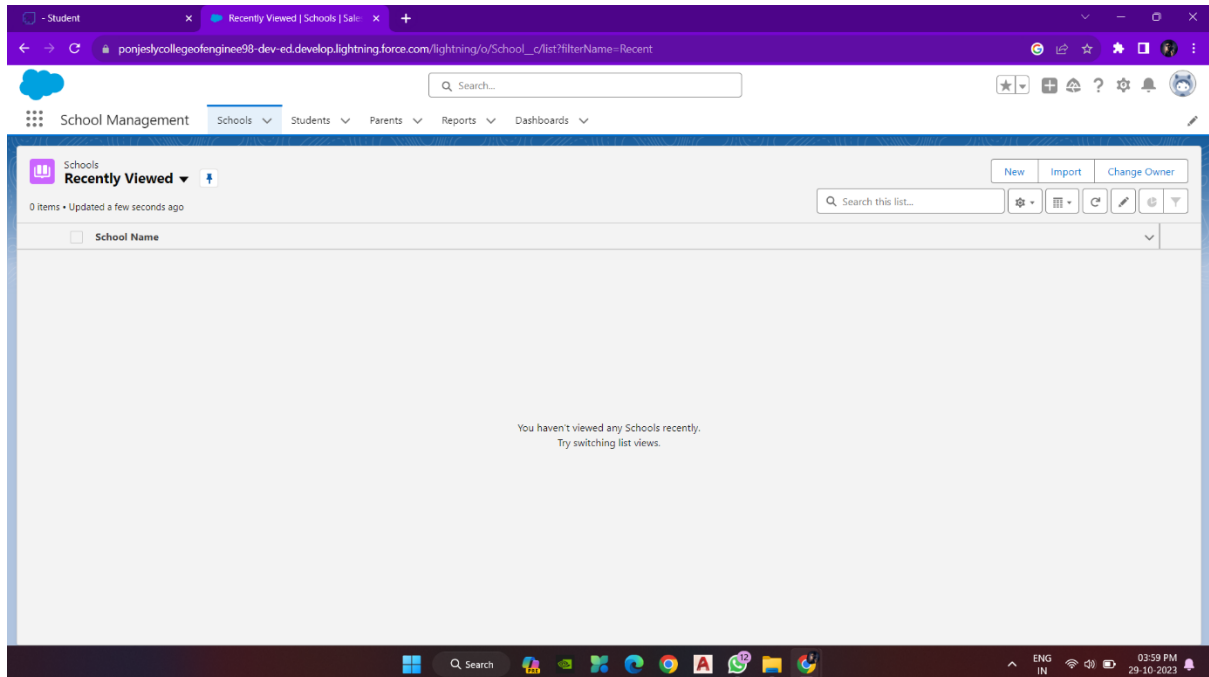
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(8, 2)		
Created By	CreatedById	Lookup(User)		
E-Mail	E_Mail__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(8, 2)		
Phone Number	Phone_Number__c	Phone		
Results	Results__c	Picklist		
School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

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

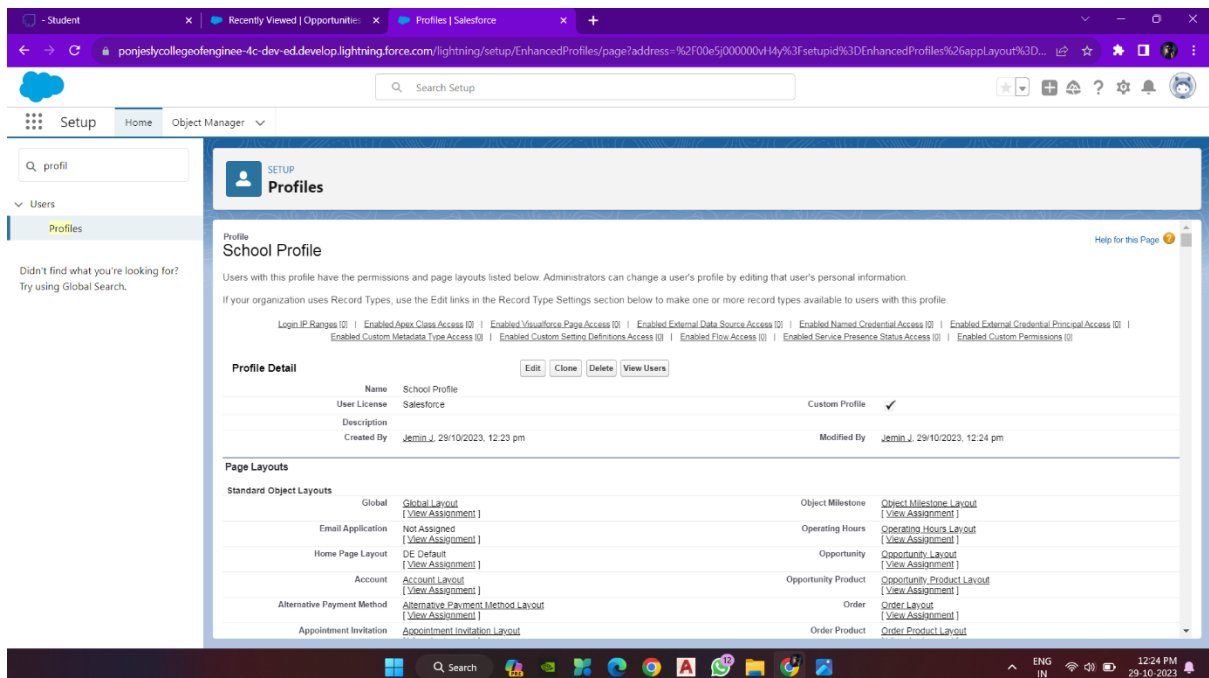
The screenshot shows the Salesforce Setup interface for the 'Custom Tabs' section. The left sidebar contains a navigation menu with options like tabs, User Interface, Rename Tabs and Labels, and Tabs. The main content area is titled 'Custom Tabs' and provides information on how to create custom tabs.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

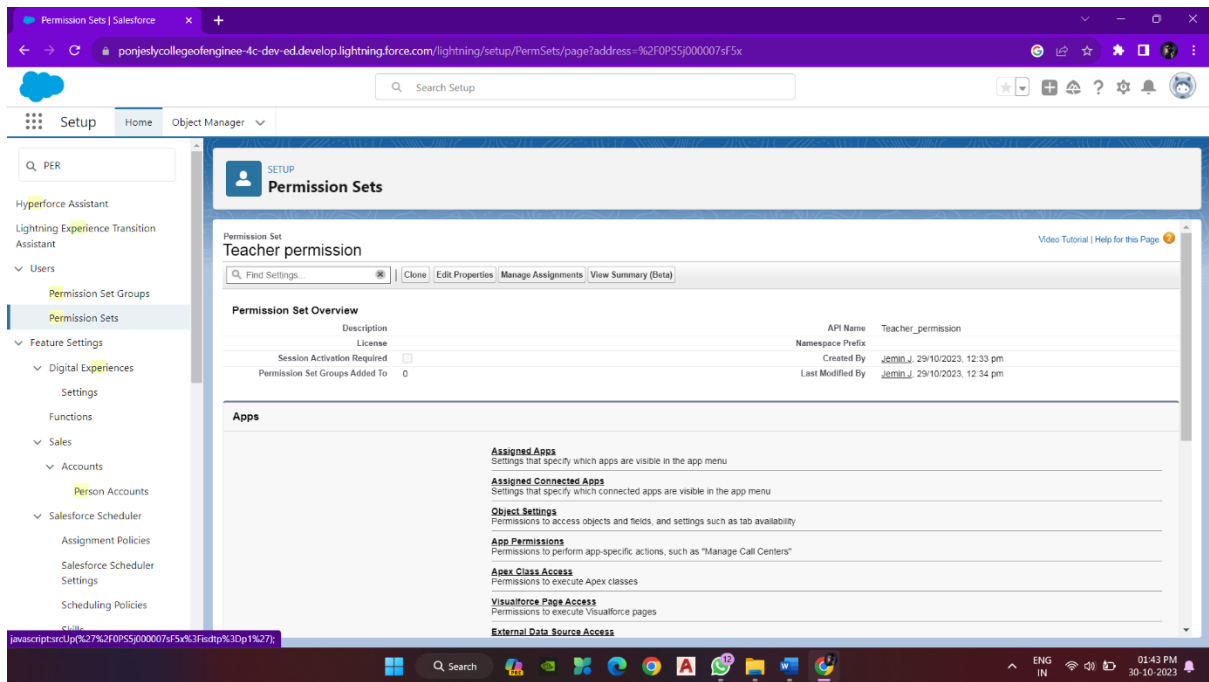
The screenshot shows the Salesforce Setup page for Users. The left sidebar contains a navigation menu with options like Users, Permission Set Groups, Profiles, Public Groups, Queues, Roles, User Management Settings, and User Interface. The main content area is titled "All Users" and includes a table 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. Each user has a checkbox for selection and a link to edit or reset their password. 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

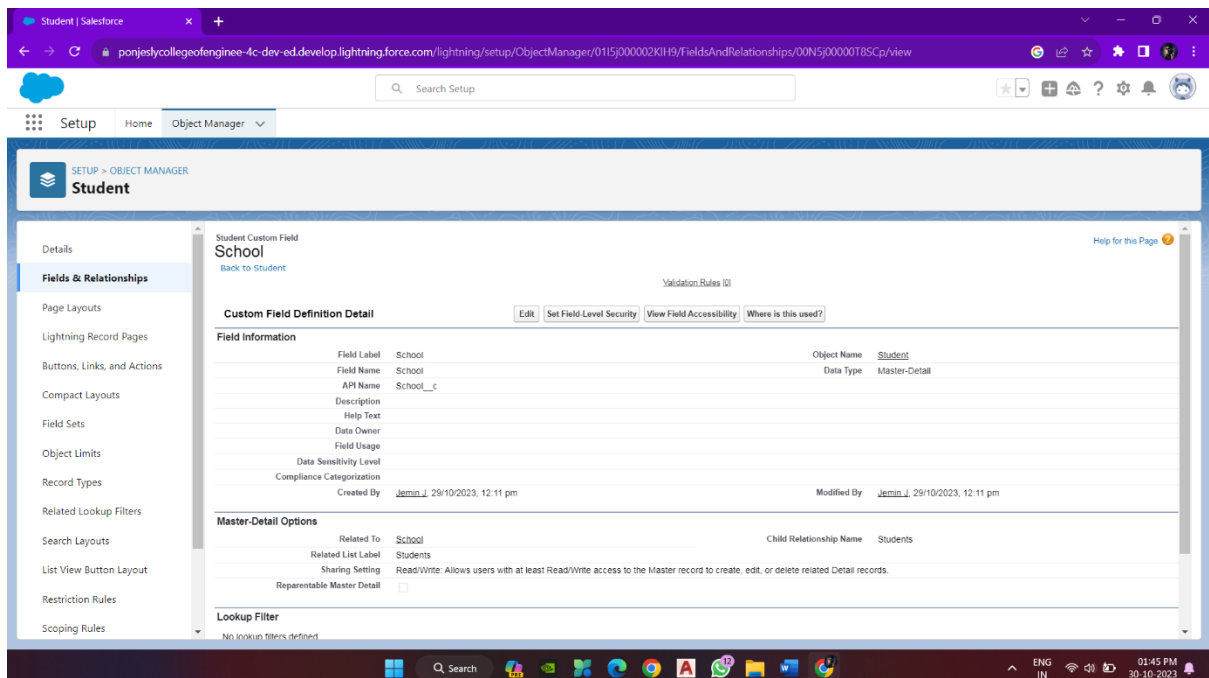
## STEP 8 : Create the Permission Set for the User's

The screenshot shows the Salesforce Setup page for Permission Sets. The left sidebar contains a navigation menu with options like Hyperforce Assistant, Lightning Experience Transition Assistant, Users, Permission Set Groups, Permission Sets, Feature Settings, Digital Experiences, Settings, Functions, Sales, Accounts, Person Accounts, Salesforce Scheduler, Assignment Policies, Salesforce Scheduler Settings, Scheduling Policies, and Skills. The main content area is titled "Permission Sets" and includes a section for "Principal permission". This section contains a table with columns for Description, License, Session Activation Required, Permission Set Groups Added To, API Name, Namespace Prefix, Created By, and Last Modified By. The table shows a single entry for "Principal\_permission". Below the table, there are sections for "Apps", "Assigned Apps", "Assigned Connected Apps", "Object Settings", "App Permissions", "Apex Class Access", "Visualforce Page Access", and "External Data Source Access". The bottom of the screen shows a Windows taskbar with various application icons and system status indicators.

Description	License	Session Activation Required	Permission Set Groups Added To	API Name	Namespace Prefix	Created By	Last Modified By
Principal permission		<input type="checkbox"/>	0	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

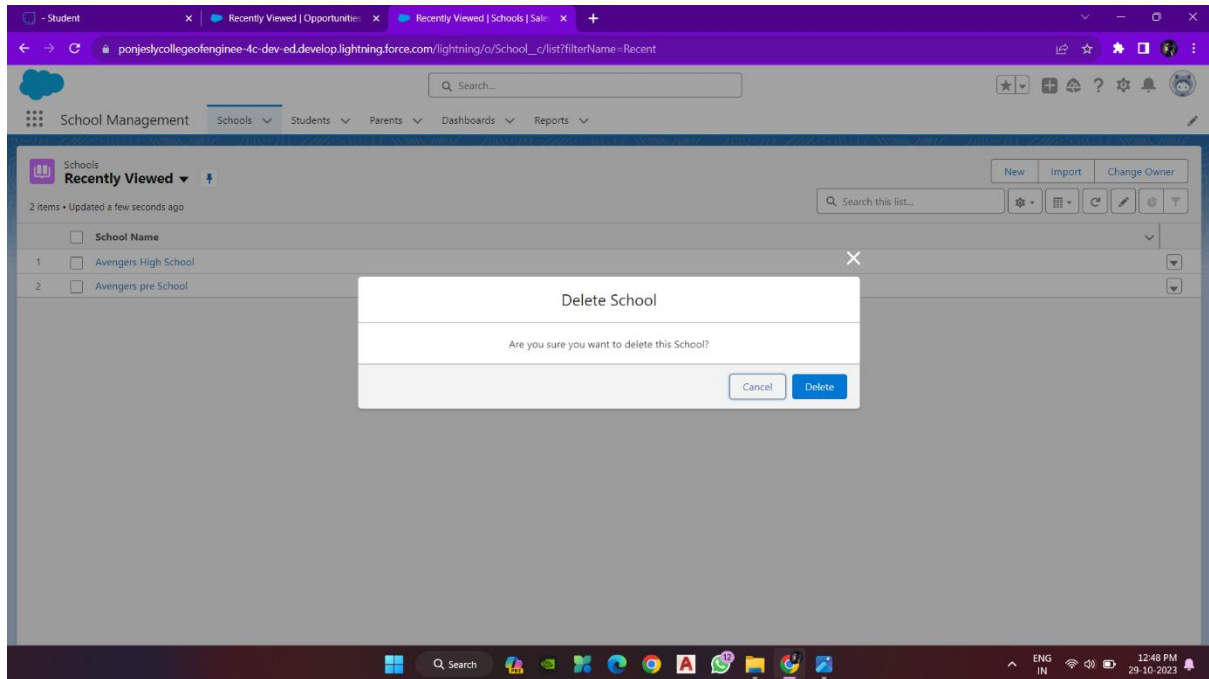
No Results

No records returned. Try editing report filters.

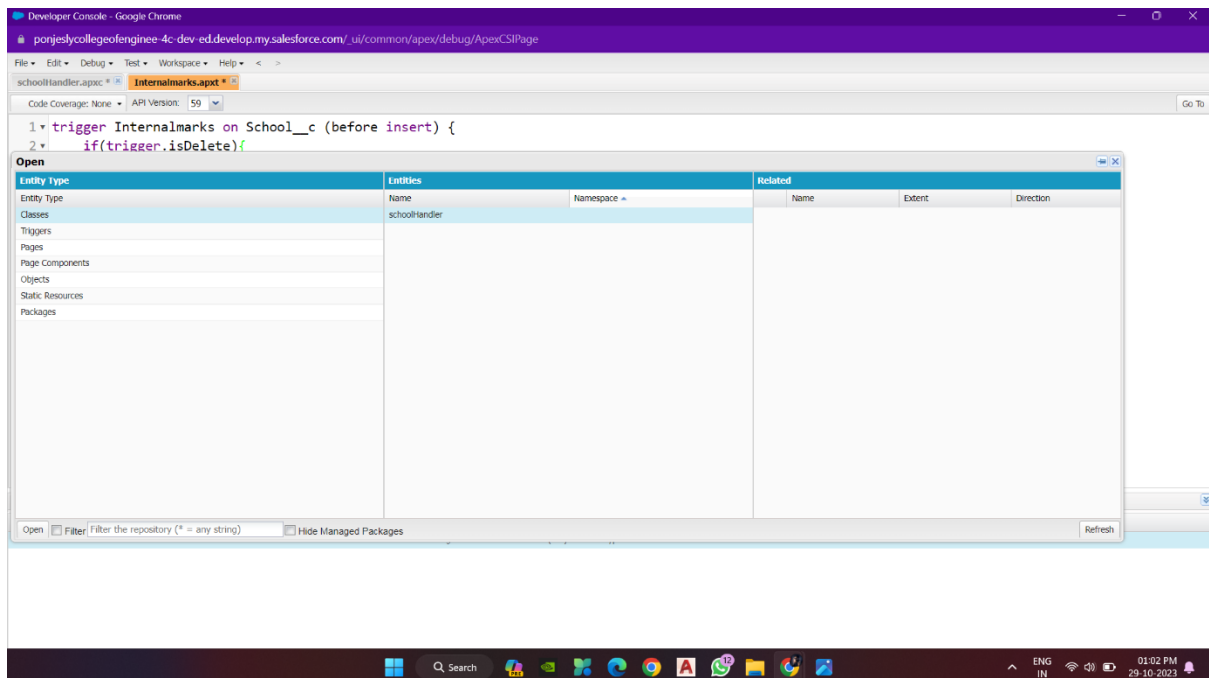
Show All parents.

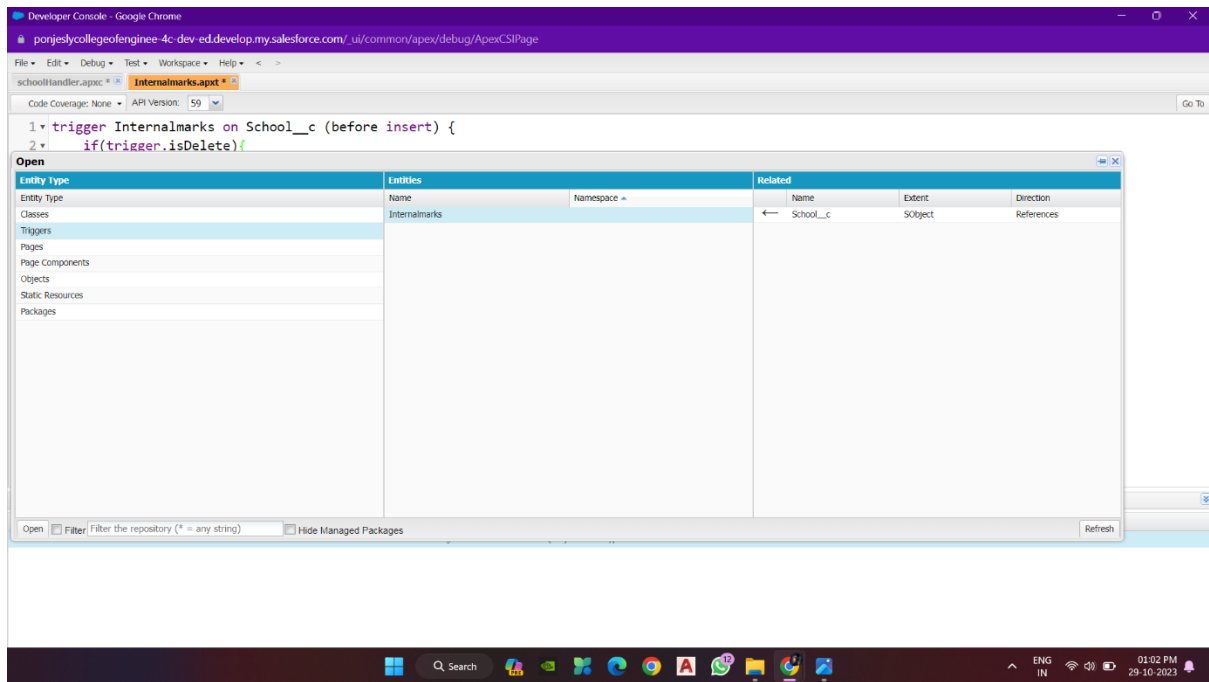
Edit other filters in the filter panel.

## STEP 11 : Deleting Records



## STEP 12 : Create Apex Class and Apex Trigger





## STEP 13 : Create a Flow

