

Creation of an Application for school Management



Project Report Template

1)Introduction:

● The project aim is to provide real-time knowledge for all the students who have basic knowledge of

Salesforce and Looking for a real-time project. This project will also help those professionals who are in cross-technology and want to switch to Salesforce. With the help of this project they will gain knowledge and can include it into their resume as well.

PURPOSE

*School management helps to **improves knowledge and skills for students.***

Our aim is -

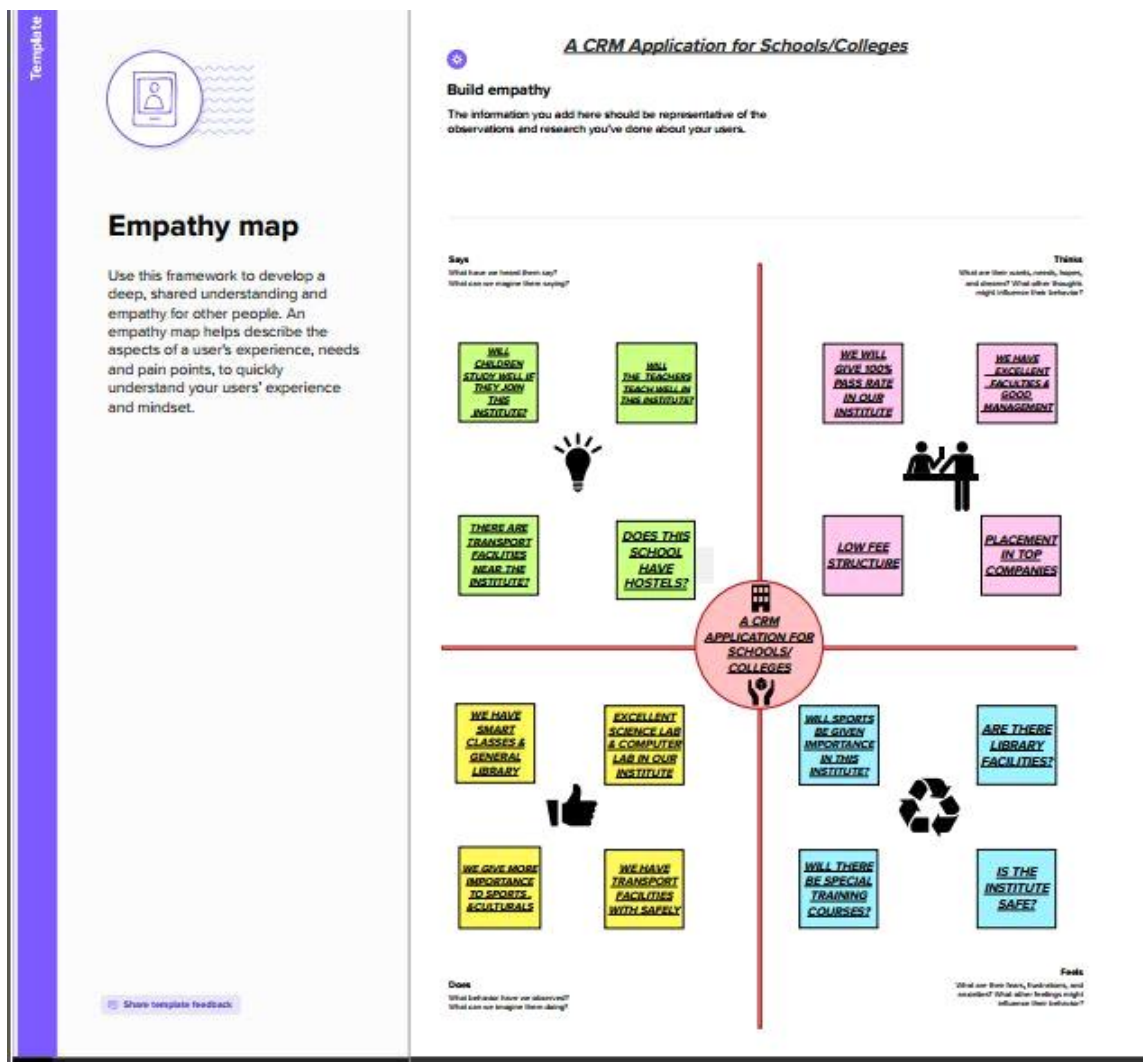
- *developing skills,*
- *100% result*
- *sports and cultural*
- *couching classes for govt exams and etc.*

*A student who wishes to join can **approach us through the app or visit our***

school management for a better approach.

2) Problems Definition & Design Thinking:

- *The screenshot of **Empathy map** of our project*



•The screenshot of **Brainstorming map** of our project



3) Result: Data Model

Object name	Fields in the Object		
1.School	• Field label	• Data type	
	• Address	• Text Area	
	• District	Text Area	
	• State	Text Area	

2.Student	• Field label	• Data type	
	• Address	• Text Area	
	• District	Text Area	
	• State	Text Area	
3.Parent	• Field label	• Data type	
	• Address	• Text Area	
	• District	Text Area	
	• State	Text Area	

Activity & Screenshot

OBJECTS:

Salesforce objects are database tables that permit you to store data that is specific to an organization. Salesforce objects are of two types: Standard Objects: Standard objects are the kind of objects that are provided by salesforce.com such as users, contracts, reports, dashboards, etc.

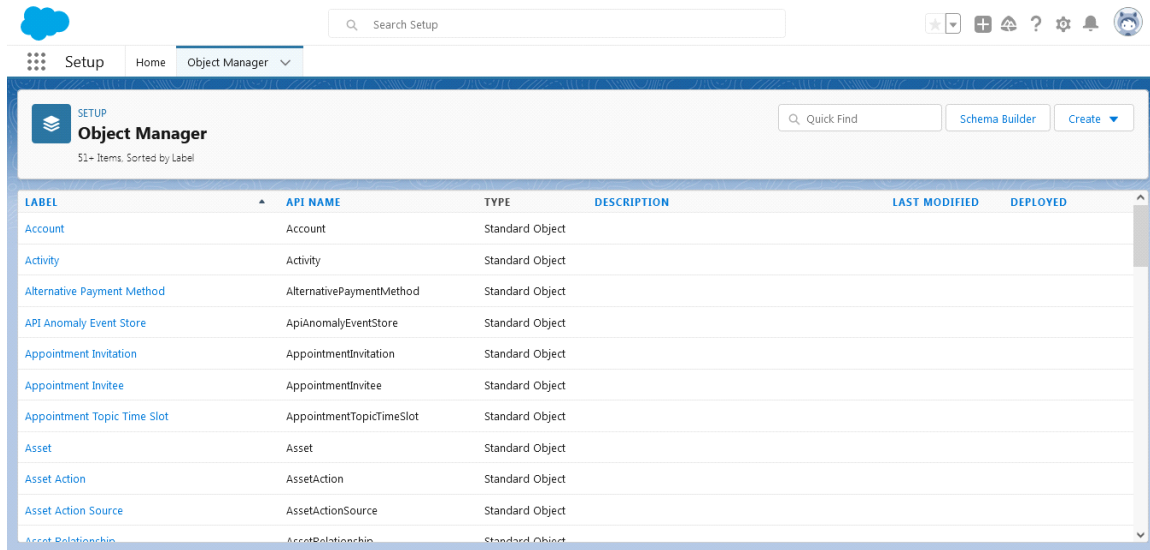
Standard Objects:

Account, Contact, Opportunity.

Custom objects:

School,Students,Parents

STEP 1: CREATING CUSTOM OBJECTS



The screenshot shows the Salesforce Object Manager interface. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager' tabs. Below this, the 'Object Manager' header includes a search bar, 'Quick Find', 'Schema Builder', and 'Create' buttons. The main content area displays a table of standard objects.


LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Asset	Asset	Standard Object			
Asset Action	AssetAction	Standard Object			
Asset Action Source	AssetActionSource	Standard Object			
Asset Relationship	AssetRelationship	Standard Object			

FIELDS AND RELATIONSHIPS:


An object relationship in Salesforce is a two-way association between two objects.

Relationships are created by creating custom relationship fields on an object. This is done so that when users view records, they can also see and access related data.

STEP 2: CREATING CUSTOM FIELDS FOR SCHOOL, STUDENT AND PARENTS



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER
School

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

9 Items, Sorted by Field Label


Quick Find

NewDeleted FieldsField DependenciesSet History Tracking

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)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone Number	Phone_Number__c	Phone		
School	School__c	Text Area(255)		
School Name	Name	Text(80)		✓



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER
Student

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

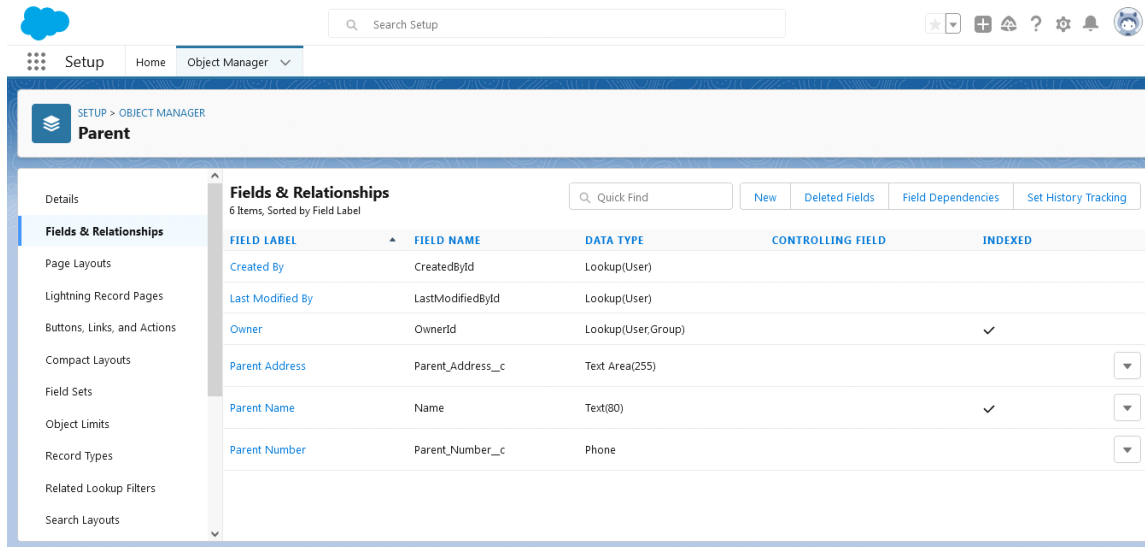
Search Layouts

7 Items, Sorted by Field Label

Quick Find

NewDeleted FieldsField DependenciesSet History Tracking

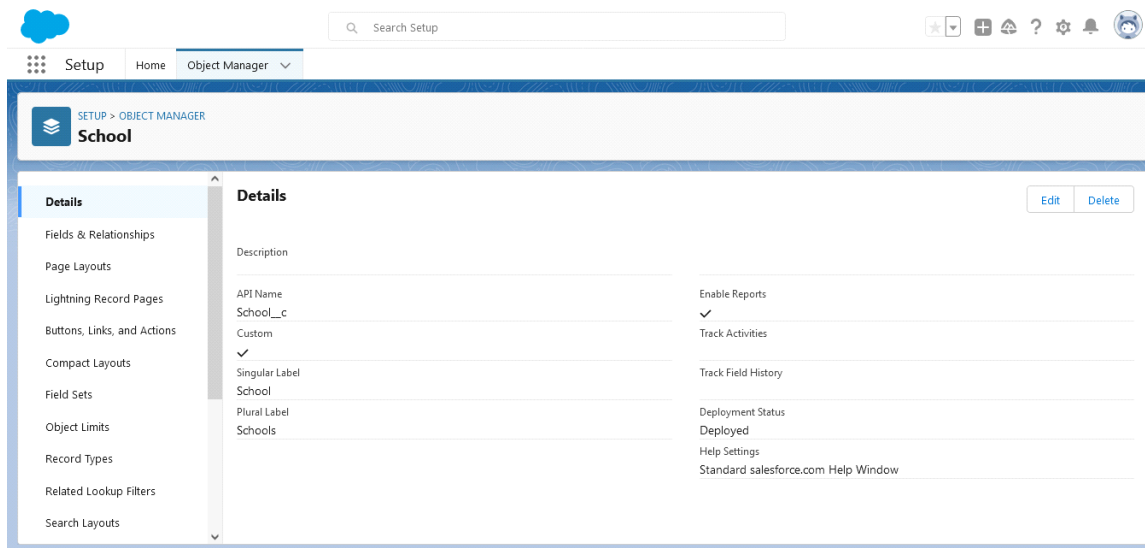
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓
Results	Results__c	Picklist		
Student Name	Name	Text(80)		✓



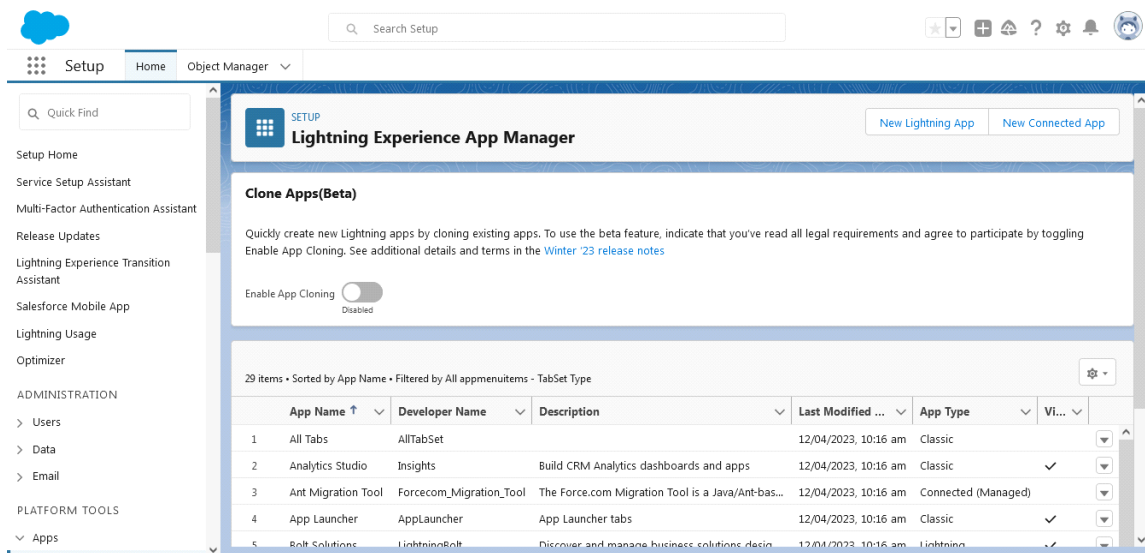
STEP 3: CREATING FIELD FOR SCHOOL OBJECT

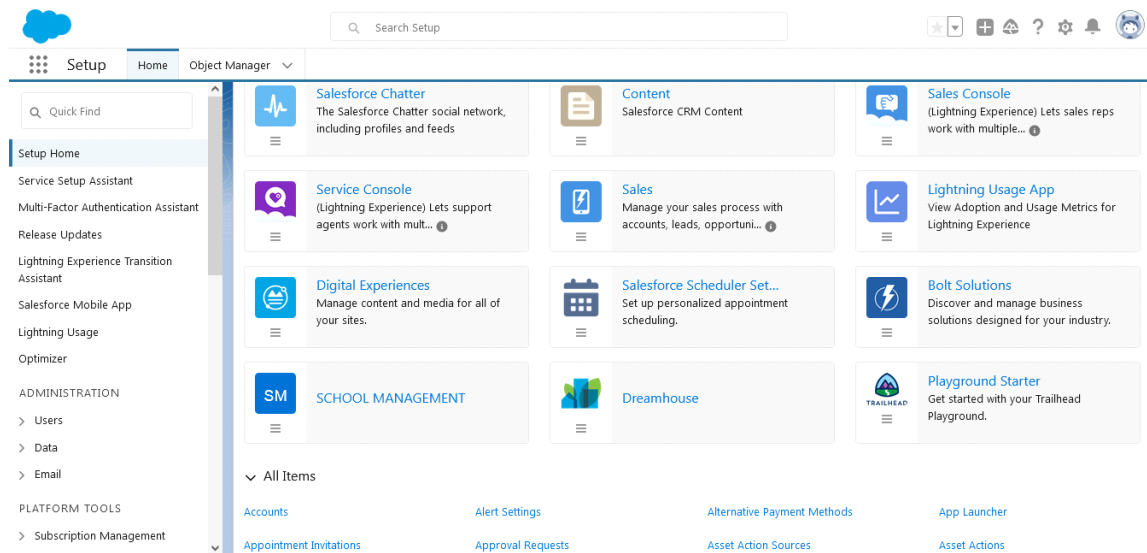
An object relationship for school management system.

Relationships are created by creating custom relationship fields on an object. This is done so that when users view records, they can also see and access related data.



STEP 4: CREATE A SCHOOL MANAGEMENT APP



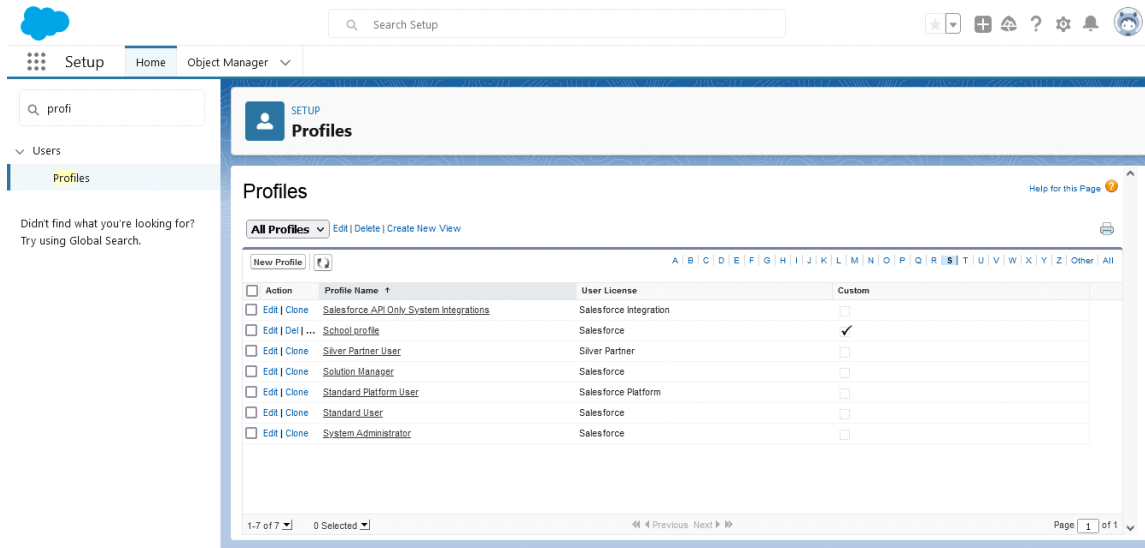


STEP 5: CREATE A SCHOOL PROFILE

A profile is a group/collection of settings and permissions that define what a user can do in Salesforce. A profile controls “Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges

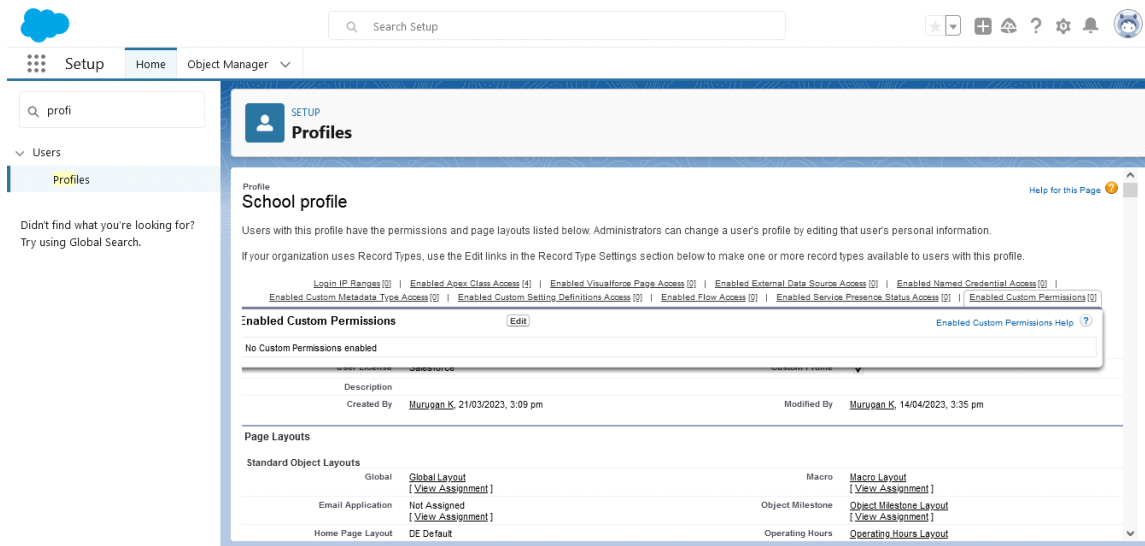
Create School profile, Clone Standard user

and Scroll down to Custom Object Permissions and give access for Create, Read, Edit, Delete ,View all and Modify all for School object.



The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with 'profi' and a 'Profiles' link under the 'Users' section. The main content area is titled 'Profiles' and shows a table of existing profiles. The table has columns for 'Action', 'Profile Name', 'User License', and 'Custom'. The 'School profile' is highlighted with a checkmark in the 'Custom' column.

Action	Profile Name	User License	Custom
Edit Clone	Salesforce API Only System Integrations	Salesforce Integration	<input type="checkbox"/>
Edit Delete ...	School profile	Salesforce	<input checked="" type="checkbox"/>
Edit Clone	Silver Partner User	Silver Partner	<input type="checkbox"/>
Edit Clone	Solution Manager	Salesforce	<input type="checkbox"/>
Edit Clone	Standard Platform User	Salesforce Platform	<input type="checkbox"/>
Edit Clone	Standard User	Salesforce	<input type="checkbox"/>
Edit Clone	System Administrator	Salesforce	<input type="checkbox"/>



The screenshot shows the Salesforce Setup interface for the 'School profile'. The left sidebar has a search bar with 'profi' and a 'Profiles' link under the 'Users' section. The main content area is titled 'School profile' and shows the profile's details. The 'Enabled Custom Permissions' section is expanded, showing a table of permissions. The 'Page Layouts' section is also expanded, showing a table of layouts.

Profile: School profile

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

[Login IP Ranges](#) | [Enabled Apex Class Access](#) | [Enabled Visualforce Page Access](#) | [Enabled External Data Source Access](#) | [Enabled Named Credential Access](#) | [Enabled Custom Metadata Type Access](#) | [Enabled Custom Setting Definitions Access](#) | [Enabled Flow Access](#) | [Enabled Service Presence Status Access](#) | [Enabled Custom Permissions](#)

Enabled Custom Permissions [Edit](#) [Enabled Custom Permissions Help](#)

No Custom Permissions enabled

Description	Created By	Modified By
	Murugan K. 21/03/2023, 3:09 pm	Murugan K. 14/04/2023, 3:35 pm

Page Layouts

Standard Object Layouts	Global	Macro
	Global Layout View Assignment	Macro Layout View Assignment
Email Application	Not Assigned View Assignment	Object Milestone Object Milestone Layout View Assignment
Home Page Layout	DE Default	Operating Hours Operating Hours Layout

CREATE OPERATOR PROFILE

Create operator profile:
Clone Salesforce Platform user and Scroll
down to Custom Object Permissions and give
access for Create, Read, Edit, Delete, View all,
and Modify all only for School object

The screenshot displays the Salesforce Setup interface for the 'operator' profile. The left sidebar shows the 'Setup' menu with 'Profiles' selected under the 'Users' section. The main content area is titled 'SETUP Profiles' and shows the 'operator' profile details. The 'Profile Detail' section includes fields for Name (operator), User License (Salesforce Platform), Description (Salesforce Platform), Created By (MAHALAKSHMI M), and Modified By (MAHALAKSHMI M). The 'Page Layouts' section shows a table of layouts assigned to the profile, including Global, Email Application, Home Page Layout, Account, Alternative Payment Method, Appointment Invitation, Object Milestone, Operating Hours, Order, Order Product, Payment, and Payment Authorization. The 'Custom Profile' checkbox is checked. The bottom of the screen shows a Windows taskbar with the date and time as 3:47 PM on 4/14/2023.

Setup
Home Object Manager

Search Setup

profile

Users
Profiles

Didn't find what you're looking for?
Try using Global Search.

SETUP
Profiles

Profile
operator

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

Login IP Ranges (0) | Enabled Apex Class Access (0) | Enabled Visualforce Page Access (0) | Enabled External Data Source Access (0) | Enabled Named Credential Access (0) | Enabled Custom Metadata Type Access (0) | Enabled Custom Settings Definition Access (0) | Enabled Flow Access (0) | Enabled Service Presence Status Access (0) | Enabled Custom Permissions (0)

Profile Detail

Edit Clone Delete View Users

Name operator

User License Salesforce Platform

Description Salesforce Platform

Created By MAHALAKSHMI M 10/04/2023 8:41 pm

Modified By MAHALAKSHMI M 10/04/2023 8:43 pm

Custom Profile ☒

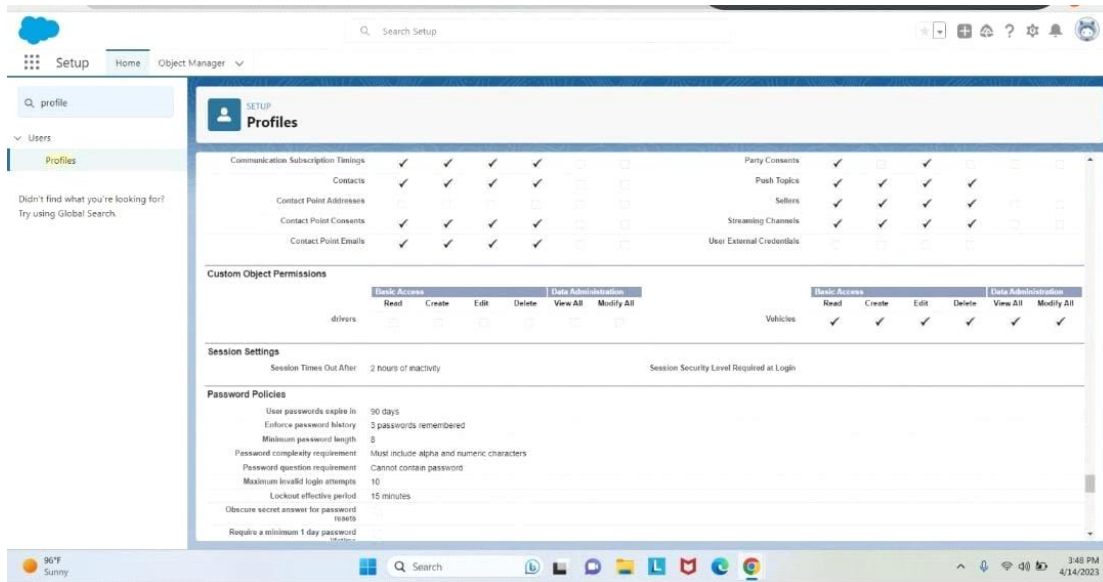
Page Layouts

Standard Object Layouts	Global	Object Milestone
Global	Global Layout [View Assignment]	Object Milestone Layout [View Assignment]
Email Application	Not Assigned [View Assignment]	Operating Hours Layout [View Assignment]
Home Page Layout	Home Page Default [View Assignment]	Order Layout [View Assignment]
Account	Account Layout [View Assignment]	Order Product Layout [View Assignment]
Alternative Payment Method	Alternative Payment Method Layout [View Assignment]	Payment Layout [View Assignment]
Appointment Invitation	Appointment Invitation Layout [View Assignment]	Payment Authorization Layout [View Assignment]

96°F Sunny

Search

3:47 PM 4/14/2023



STEP 7: CREATING THE USERS

A user is anyone who logs in to Salesforce. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account.

Setup

Home

Object Manager

Q

Search Setup

Setup

Users

Q

USERS

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

Didn't find what you're looking for?

Try using Global Search.

SETUP

Users

All Users

Help for this Page

On this page you can create, view, and manage users.

In addition, download SalesforceA to view and edit user details, reset passwords, and perform other administrative tasks from your mobile devices: [iOS](#) | [Android](#)

View: All Users

Edit

Create New User

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Other

All

New User

Reset Password(s)

Add Multiple Users

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty.00d2w00000rd4ead_x92vd0s3oksp@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	K. Murugan	MK	velmurugan@org.in		✓	System Administrator
<input type="checkbox"/> Edit	Parents	pnit	venkateshacasadurai@gmail.com		✓	School profile
<input type="checkbox"/> Edit	Principal	ncn	creasavvZ@gmail.com		✓	Standard Platform User
<input type="checkbox"/> Edit	Teachers	teac	barathm0609@gmail.com		✓	Standard Platform User
<input type="checkbox"/> Edit	Teachers	teac	barathm0609@gmail.com		✓	Standard Platform User
<input type="checkbox"/> Edit	User Integration	integ	integration@00d2w00000rd4ead.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	ins@htssecurity@00d2w00000rd4ead.com		✓	Analytics Cloud Security User

Setup

Home

Object Manager

Q

Search Setup

Setup

Users

Q

USERS

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

Didn't find what you're looking for?

Try using Global Search.

SETUP

Users

User

Murugan K

User ProfileHelp for this Page

Permission Set Assignments (1) | Permission Set Assignments Activation Required (0) | Permission Set Group Assignments (0) | Permission Set License Assignments (0) | Personal Groups (0) | Public Group Memberships (0) | Queue Memberships (0) | Team (0) | Managers in the Role Hierarchy (0) | OAuth Connected Apps (1) | Third-Party Account Links (0) | Installed Mobile Apps (0) | Authentication Settings for External Systems (0) | Login History (10) | User Provisioning Accounts (0)

User Detail

Edit

Sharing

Change Password

Name	Murugan K	Role	Salesforce
Alias	MK	User License	System Administrator
Email	kmurugan2002@gmail.com	Profile	System Administrator
Username	velmurugan@org.in	Active	✓
Nickname	velmurugan	Marketing User	✓
Title		Offline User	✓
Company	Presidency College	Knowledge User	
Department		Flow User	
Division		Service Cloud User	✓
Address	IN	Site.com Contributor User	
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User	
Locale	English (India)	WDC User	
Language	English	Mobile Push Registrations	View

The image displays two screenshots of the Salesforce Setup interface, specifically the 'Users' section. The left sidebar shows the navigation menu with 'Users' selected. The main content area shows the 'User Detail' for a user named 'Parents' and 'Teachers'.

Parents User Detail:

Name	Parents	Role
Alias	plnt	User License
Email	vengateshappadurai@gmail.com	Profile
Username	vengateshappadurai@gmail.com	Active
Nickname	User16799150391895062429	Marketing User
Title		Offline User
Company		Knowledge User
Department		Flow User
Division		Service Cloud User
Address		Site.com Contributor User
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User
Locale	English (India)	WDC User
Language	English	Mobile Push Registrations

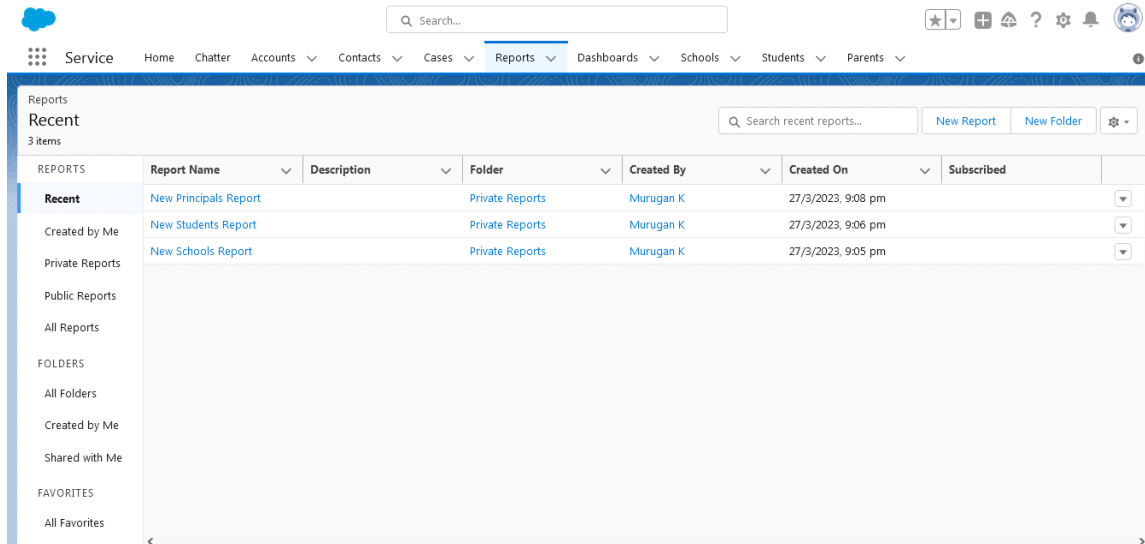
Teachers User Detail:

Name	Teachers	Role
Alias	teac	User License
Email	barathm0609@gmail.com	Profile
Username	barathm0609@gmail.com	Active
Nickname	User16799163451938780886	Marketing User
Title		Offline User
Company		Knowledge User
Department		Flow User
Division		Service Cloud User
Address		Site.com Contributor User
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User
Locale	English (India)	WDC User
Language	English	Mobile Push Registrations

STEP 8: CREATE THE REPORTS

A report is a list of records that meet the criteria you define. It's displayed in Salesforce in rows and columns, and can be filtered, grouped, or displayed in a graphical chart. Every report is stored in a folder. Folders can

be public, hidden, or shared, and can be set to read-only or read/write.



4) Trailhead profile public URL

Team leader - <https://trailblazer.me/id/venga45>
Team member 1 - <https://trailblazer.me/id/murugan0903>
Team member 2 - <https://trailblazer.me/id/barath16>
Team member 3 - <https://trailblazer.me/id/ajayp103>

5) Advantage and disadvantage

Advantage

- i) Study with fun
- ii) Making new friends
- iii) Learn from others
- iv) Learn lots of skills

v) Getting peaceful life

Disadvantage

i) Costly and rigid

ii) An unprofessional and non-standard education system may also cause wastage of time and money

iii) Academic burnout is caused by homework.

...

6)Application:

● *Management of school application is If you want to secure admission to a school or college, the first step is to write a compelling school application letter to help the admission board learn more about your personality, interests and qualifications. Learning how to draft a school application letter is important if you want to stand out and gain admission to your chosen institution*

7) Conclusion:

● *At last , we conclude that School management helps to improve knowledge and Skills for students which is much needed in today's world.It is well performed by our application for schools management.*

8) Future Scope:

The application of “SCHOOL MANAGEMENT SYSTEM” is very useful and simple steps to apply.It minimizes the time and efforts of the user with efficiency. This project is developed such that any implementation or extension can be done easily.