

Smart Internz

SALESFORCE DEVELOPER

Project title

CRM Application For Schools/Colleges

GROUP NO-228

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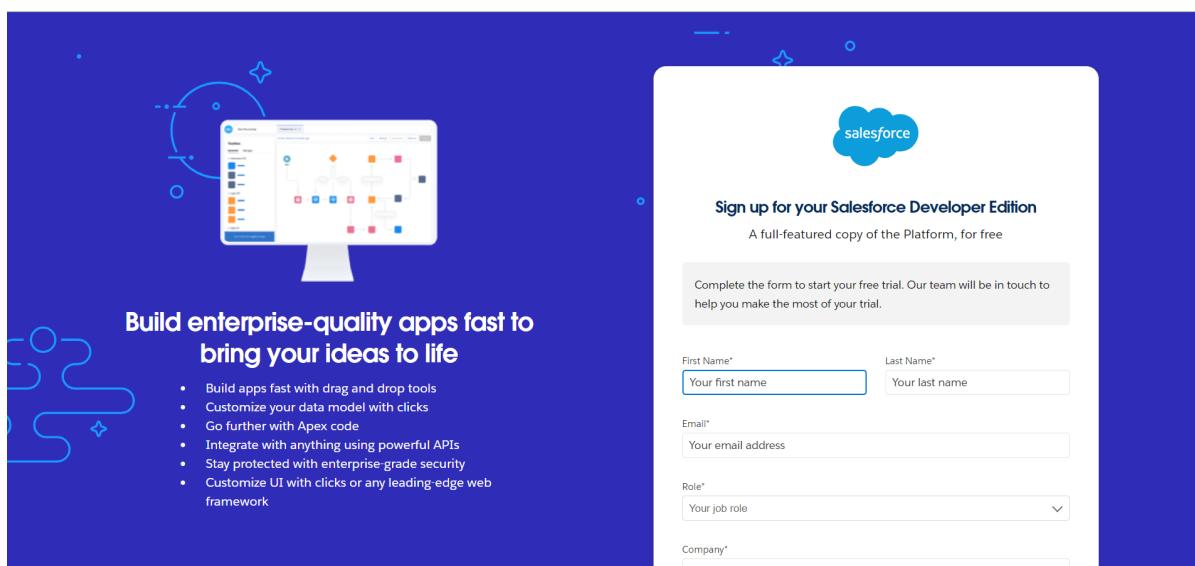
CRM Application for Schools/Colleges - (DEV)

The School Management System using Salesforce is a project that involves developing a customized solution for managing various aspects of a school's operations using the Salesforce platform. It includes features such as student information management, attendance tracking, grade management, scheduling, and reporting, all integrated within the Salesforce CRM. This system can be used by schools to streamline their administrative processes, improve communication between staff and students, and enhance the overall learning experience for students.

Creating a developer org in salesforce.

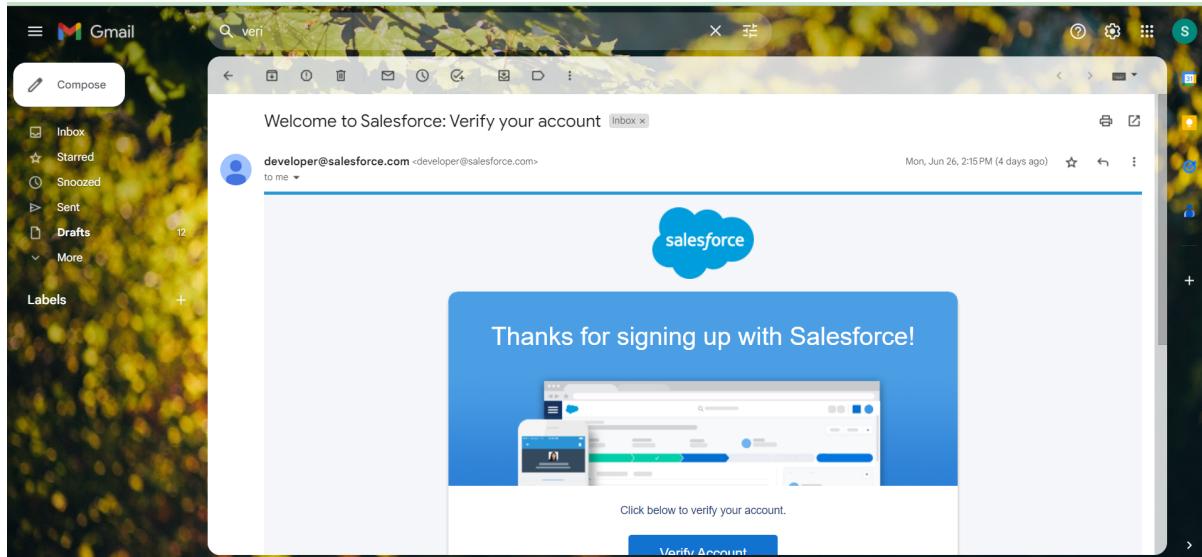
1. Go to developer.salesforce.com
2. Click on sign up.
3. On the sign up form, enter the following details
 - o First name & Last name
 - o Email
 - o Role - Developer
 - o Company - College Name
 - o Country - India
 - o Postal Code - pin code
 - o Username- should be a combination of your name and company

Creating Developer Org :



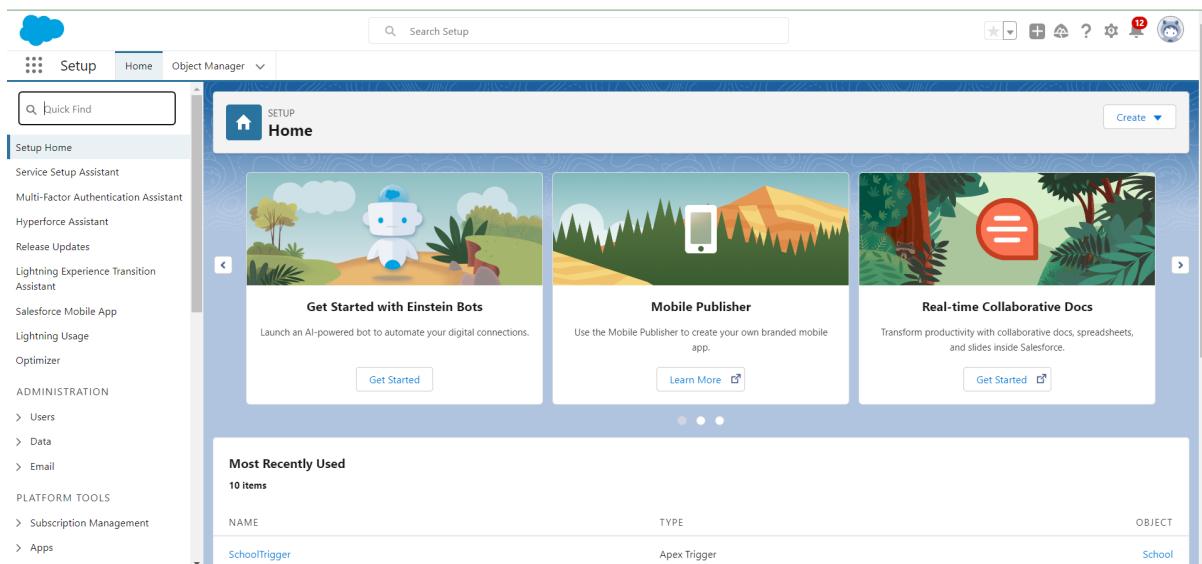
Account Activation

Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins.



Login To Your Salesforce Account

- o Go to salesforce.com and click on login.
- o Enter the username and password that you just created.
- o After login this is the home page which you will see.



OBJECT :

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.

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.
- Custom Objects: Custom objects are those objects that are created by users. They supply information that is unique and essential to their organization. They are the heart of any application and provide a structure for sharing data.

Creation Of School,Student,Parent Object Creation Of Objects For School Management

The screenshot shows the Salesforce Object Manager interface. At the top, there is a navigation bar with icons for Setup, Home, and Object Manager. Below the navigation bar, the title 'SETUP > OBJECT MANAGER' is displayed next to a 'School' icon. The main area is divided into two sections: 'Details' on the left and 'Fields & Relationships' on the right. In the 'Details' section, the 'API Name' field is set to 'School__c'. Other fields include 'Custom' (checked), 'Singular Label' (set to 'School'), and 'Plural Label' (set to 'Schools'). In the 'Fields & Relationships' section, there are several tabs: 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, and Restriction Rules. On the far right of the 'Details' section, there are 'Edit' and 'Delete' buttons. The overall interface has a light blue and white color scheme.

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. The main title is 'Student'. On the left, a sidebar lists various configuration options: 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, and Restriction Rules. The right panel displays the 'Details' section for the 'Student' object. It includes fields for Description, API Name (Student__c), Singular Label (Student), Plural Label (Students), and several checkboxes for reports, activities, field history, and deployment status. Help settings point to the standard salesforce.com help window.

This screenshot shows the 'Object Manager' for the 'Parent' object. The sidebar and main structure are identical to the 'Student' object page. The 'Details' section for 'Parent' shows the API name Parent__c, singular label Parent, and plural label Parents. Configuration options like reports, activities, and deployment status are also present.

The screenshot shows the 'Tabs' configuration page under the 'User Interface' section. The main title is 'Tabs'. The sidebar has sections for 'tabs', 'User Interface', 'Rename Tabs and Labels', and 'Tabs'. A search bar at the top is set to 'tabs'. The main content area is titled 'Custom Tabs' and explains how to create new custom tabs. Below this is a table for 'Custom Object Tabs' with three entries: Parents (CRT TV icon), Schools (Boat icon), and Students (Treasure chest icon). There are also sections for 'Web Tabs' and 'Visualforce Tabs', both of which currently have no defined tabs. A navigation bar at the bottom includes links for 'Home', 'Object Manager', 'Customize Home', 'Customize Tabs', and 'Logout'.

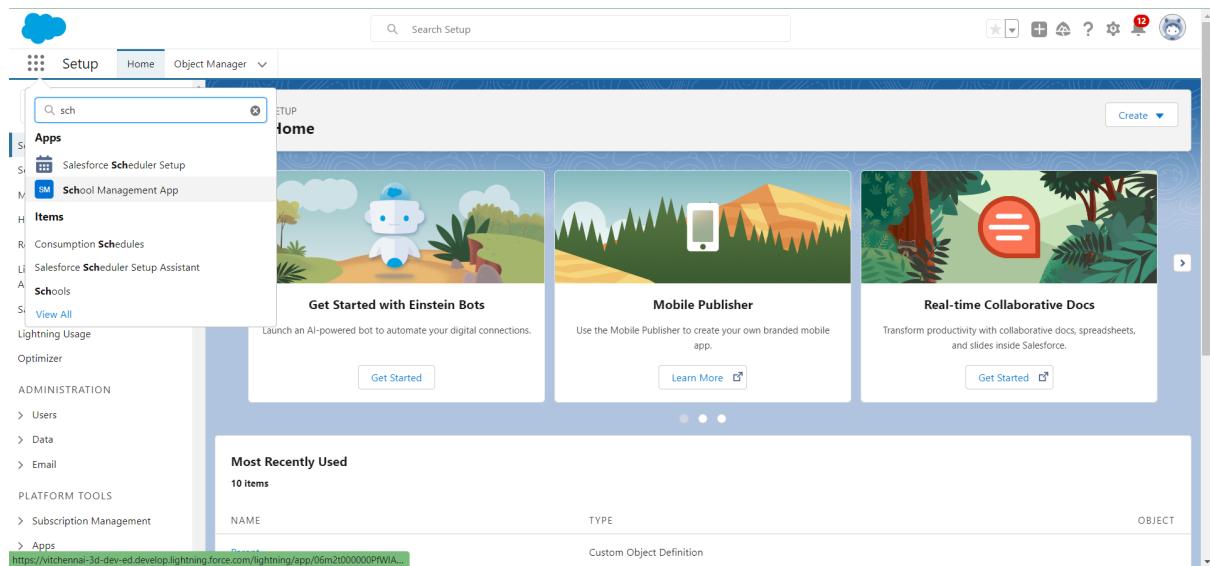
Lightning App:

Apps in Salesforce are a group of tabs that help the application function by working together as a unit. It has a name, a logo, and a particular set of tabs. The simplest app usually has just two tabs.

There are two types of app -

- Standard App: Standard apps come with every occurrence of Salesforce as default. Many features like Sales, Marketing, Community, call center, content, Salesforce Chatter, App Launcher, etc are present in it.
- Custom Apps: Custom apps are created according to need of user. Custom Apps are made by using standard and custom tabs together.

Create The School Management App



The screenshot shows the Salesforce Schools object list view. At the top, there's a navigation bar with links for Schools, Students, Parents, Reports, and Dashboards. Below the navigation is a search bar labeled "Search...". On the right side of the header are various icons for actions like New, Import, and Change Owner. The main area displays a list titled "Recently Viewed" with two items: "School 1" and "School 2". Each item has a checkbox next to it and a timestamp indicating it was updated a few seconds ago. To the right of the list are standard list-view controls for sorting and filtering.

FIELDS & RELATIONSHIP:

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.

Creation Of Fields For The School, Student, Parent Objects:

The screenshot shows the Salesforce Setup interface with the "Object Manager" selected. The main title is "School". On the left, there's a sidebar 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, and Restriction Rules. The "Fields & Relationships" section is currently active. It displays a table titled "Fields & Relationships" with 11 items, sorted by Field Label. The columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The table includes fields such as Address, Created By, District, Highest Marks, Last Modified By, Number of students, Owner, Phone Number, and School Name. Each row shows the field label, its internal name, data type (e.g., Text Area(255), Lookup(User)), and whether it's controlling or indexed.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text Area(255)		
Created By	CreatedById	Lookup(User)		
District	District__c	Text(20)		
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)		

The screenshot shows the Salesforce Setup interface with the following details:

- Object Manager:** Student
- Fields & Relationships:** 8 items, Sorted by Field Label
- Table Headers:** FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, INDEXED
- Table Data:**

Class	Class__c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(18, 0)		
Phone Number	Phone_Number__c	Phone		
Results	Results__c	Picklist		
School	School__c	Master-Detail(School)	✓	
Student Name	Name	Text(80)	✓	

The screenshot shows the Salesforce Setup interface with the following details:

- Object Manager:** Parent
- Fields & Relationships:** 6 items, Sorted by Field Label
- Table Headers:** FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, INDEXED
- Table Data:**

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		

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.

Creation On Profile:

School Profile

Set the permissions and page layouts for this profile.

Profile Edit

Profile Edit		Save	Save & New	Cancel		
Name	School Profile					
User License	Salesforce					
Description						
Custom Profile <input checked="" type="checkbox"/>						
Custom App Settings						
Visible		Default				
All Tabs (standard_AllTabSet)	<input checked="" type="checkbox"/>	<input type="radio"/>		Sales (standard_Sales)	<input type="checkbox"/>	<input checked="" type="radio"/>
Analytics Studio (standard_Insights)	<input checked="" type="checkbox"/>	<input type="radio"/>		Sales Console (standard_LightningSalesConsole)	<input checked="" type="checkbox"/>	<input type="radio"/>
App Launcher (standard_AppLauncher)	<input checked="" type="checkbox"/>	<input type="radio"/>		Salesforce Chatter (standard_Chatter)	<input checked="" type="checkbox"/>	<input type="radio"/>
Bolt Solutions (standard_LightningBolt)	<input checked="" type="checkbox"/>	<input type="radio"/>		Salesforce Scheduler Setup (standard_LightningScheduler)	<input type="checkbox"/>	<input type="radio"/>
Community (standard_Community)	<input checked="" type="checkbox"/>	<input type="radio"/>		Service Console (standard_ServiceConsole)	<input type="checkbox"/>	<input type="radio"/>
Content (standard_Content)	<input checked="" type="checkbox"/>	<input type="radio"/>		School Management App (School_Management)	<input type="checkbox"/>	<input type="radio"/>

I = Required Information

Individuals

Individuals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invoices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Work Types

Work Types	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work Type Groups	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Custom Object Permissions

Object	Basic Access				Data Administration			
	Read	Create	Edit	Delete	View All	Modify All	Read	Create
Parents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Students	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Session Settings

Session Times Out After: 2 hours of inactivity

Session Security Level Required at Login: None

Password Policies

- User passwords expire in: 90 days
- Enforce password history: 3 passwords remembered
- Minimum password length: 8
- Password complexity requirement: Must include alpha and numeric characters
- Password question requirement: Cannot contain password

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.

Creating A User-

1.From Setup, in the Quick Find box, enter Users.

2.Select Users.

3.Click New User.

4. Enter the user's name Parents and (Your) email address and a unique username in the form of an email address. By default, the username is the same as the email address.

5. Select a User License as salesforce.

6. Select a profile as a School profile.

7. Check Generate new password and notify the user immediately to have the user's login name and a temporary password emailed to your email.

8. Similarly follow the above steps and create 2 users as Teachers and principals.

The screenshot shows the Salesforce Setup interface under the 'Users' tab. On the left sidebar, 'Users' is selected. In the main area, a new user record is being created for 'Teachers'. The 'Name' field is set to 'Teachers', 'Alias' to 'teac', and 'Email' to 'sakshi.agnihotri2892@gmail.com'. The 'User License Profile' is set to 'Salesforce' and 'School Profile'. The 'Active' checkbox is checked. Other fields like 'Nickname', 'Title', 'Company', 'Department', 'Division', 'Address', 'Time Zone', 'Locale', 'Language', and 'Delegated Approver' are also visible. A note at the bottom says 'Didn't find what you're looking for? Try using Global Search.'

This screenshot shows the continuation of user creation. A new user record is being created for 'principals'. The 'Name' field is set to 'principals', 'Alias' to 'prin', and 'Email' to 'sakshi.agnihotri2892@gmail.com'. The 'User License Profile' is set to 'Salesforce' and 'School Profile'. The 'Active' checkbox is checked. The rest of the fields are identical to the previous user record. A note at the bottom says 'Didn't find what you're looking for? Try using Global Search.'

User Detail

Name	Parents	Role	Salesforce
Alias	pare	User License	Profile
Email	sakshi.agnihotri28902@gmail.com [Verify]	Profile	School Profile
Username	sakshi.agnihotri28902@gmail.com	Active	<input type="checkbox"/>
Nickname	User1687515224286328857	Marketing User	<input type="checkbox"/>
Title		Offline User	<input type="checkbox"/>
Company		Knowledge User	<input type="checkbox"/>
Department		Flow User	<input type="checkbox"/>
Division		Service Cloud User	<input type="checkbox"/>
Address	Vellore Institute of Technology, Vandalur, kelambakkam road Chennai Tamil Nadu Kanchipuram 600127 Tamil Nadu India	Site.com Contributor User	<input type="checkbox"/>
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User	<input type="checkbox"/>
Locale	English (India)	WDC User	<input type="checkbox"/>
Language	English	Mobile Push Registrations	View
Delegated Approver		Data.com User Type	View

All Users

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Agnihotri, Sakshi	SAgni	agnisakshi@vtl.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	System Administrator
Edit	Chatter Expert	Chatter	chatty_00d2000000caaveap.d1gugbusuaw@chatter.salesforce.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Chatter Free User
Edit	Parents	pare	sakshi.agnihotri28902@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	School Profile
Edit	principals	prin	sakshi.agnihotri289992@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	School Profile
Edit	Teachers	teac	sakshi.agnihotri2822@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	School Profile
Edit	User_Integration	integ	integration@00d2000000caaveap.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Analytics_Cloud_Integration_User
Edit	User_Security	sec	insightssecurity@00d2000000caaveap.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Analytics_Cloud_Security_User

PERMISSION SETS :

A permission set is a collection of settings and permissions that give users access to various tools and functions. Permission sets extend users' functional access without changing their profiles.

- From Setup, enter Permission Sets in the Quick Find box, then select Permission Sets.
- Click New.
- Give the name of the Permission set name as Principal permission and then under the object settings give all permissions for the all 3 custom objects and assign them to the Principal user.

The screenshot shows the Salesforce Setup interface. The left sidebar is titled 'PERMIS' and includes sections for Users, Permission Set Groups, **Permission Sets**, Custom Code, and Custom Permissions. A search bar at the top right says 'Search Setup'. The main content area is titled 'Permission Sets' and shows a 'Principal permission' set. The 'Permission Set Overview' section displays the API Name as 'Principal_permission', Namespace Prefix as 'Sakshi_Agnihotri', and Last Modified By as 'Sakshi_Agnihotri' on '23/06/2023, 4:02 pm'. Below this, the 'Apps' section lists various settings: Assigned Apps, Assigned Connected Apps, Object Settings, App Permissions, Apex Class Access, and Visualforce Page Access. The URL in the browser is <https://vitchennai-3d-dev-ed.develop.my.salesforce.com/one/one.app#/alohaRedirect/0PS2t00000Xwlx?isotp=pt>.

This screenshot shows the 'Permission Sets' page in the Salesforce Setup interface. The left sidebar is identical to the previous one. The main content area is titled 'Permission Sets' and contains a table of permission sets. The table has columns for Action, Permission Set Label (with a dropdown arrow), Description, and License. One row is visible, labeled 'Principal permission'. The URL in the browser is <https://vitchennai-3d-dev-ed.develop.my.salesforce.com/one/one.app#/alohaRedirect/0PS2t00000Xwlx?isotp=pt>.

USER ADOPTION :

- Create Record (School)
- Click on App Launcher on left side of screen.
- Search School Management App & click on it.
- Click on Schools tab.
- Click new button
- Fill all School record details.

- Click on Save Button

School Management... Schools

Recently Viewed ▾

2 items • Updated 12 minutes ago

School Name

1 School 1

2 School 2

Edit School 1

* = Required Information

School Name: School 1

Address: Punjab

District: Pathankot

State: Punjab

Schoolwebsite: school1.com

Phone Number: 9674512345

Owner: Sakshi Agnihotri

Number of students: 1

Cancel Save & New Save

This field is calculated upon save.

View Record (School)

- Click on App Launcher on left side of screen.
- Search School Management App & click on it.
- Click on Schools Tab.
- Click on any record name. you can see the details of the School.

School Management... Schools Students Parents Reports Dashboards

Recently Viewed ▾

2 items • Updated 12 minutes ago

School Name

1 School 1

2 School 2

New Import Change Owner

Search this list...

Delete Record (School)

- Click on App Launcher on left side of screen.
- Search School Management App & click on it.

- Click on Schools Tab.
- Click on Arrow at right hand side on that Particular record.
- Click delete and delete again.

The screenshot shows a Salesforce interface for managing schools. At the top, there's a navigation bar with tabs for Schools, Students, Parents, Reports, and Dashboards. Below the navigation is a search bar and a toolbar with various icons. The main area is titled "Recently Viewed" and shows a list of two items, both updated 12 minutes ago. The list includes a column header "School Name" and two entries: "1 School 1" and "2 School 2". To the right of the list, a context menu is open for the first entry, listing "Edit", "Delete", and "Change Owner".

REPORT :

Reports in Salesforce is a list of records that meet a particular criterion which gives an answer to a particular question. These records are displayed as a table that can be filtered or grouped based on any field.

There are 4 types of report formats in Salesforce:

- Tabular Reports:

This is the most basic report format. It just displays the row of records in a table with a grand total. While easy to set up they can't be used to create groups of data or charts and also cannot be used in Dashboards. They are mainly used to generate a simple list or a list with a grand total.

- Summary Reports:

It is the most commonly used type of report. It allows grouping of rows of data, view subtotal, and create charts.

- Matrix Reports:

It is the most complex report format. Matrix report summarizes information in a grid format.

It allows records to be grouped by both columns and rows. It can also be used to generate dashboards. Charts can be added to this type of report.

- Joined Reports:

These types of reports let us create different views of data from multiple report types. The data is joined reports are organized in blocks. Each block acts as a subreport with its own fields, columns, sorting, and filtering. They are used to group and show data from multiple report types in different views.

Report types:

Report type determines which set of records will be available in a report. Every report is based on a particular report type. The report type is selected first when we create a report. Every report type has a primary object and one or more related objects. All these objects must be linked together either directly or indirectly.

- A report type cannot include more than 4 objects.
- Once a report is created its report type cannot be changed.

There are 2 types of report types:

Standard Report Type:

- Standard Report Types are automatically included with standard objects and also with custom objects where “Allow Reports” is checked.

Standard report types cannot be customized and automatically include standard and custom fields for each object within the report type. Standard report types get created when an object is created, also when a relationship is created.

Note: Standard report types always have inner joins.

Custom Report Types:

- Custom report types are reporting templates created to streamline the reporting

process. Custom Reports are created by an administrator or User with “Manage Custom Report Types” permission. Custom report types are created when standard report types cannot specify which records will be available on reports.

- In custom report types we can specify objects which will be available in a particular report. The primary object must have a relationship with other objects present in a report type either directly or indirectly.

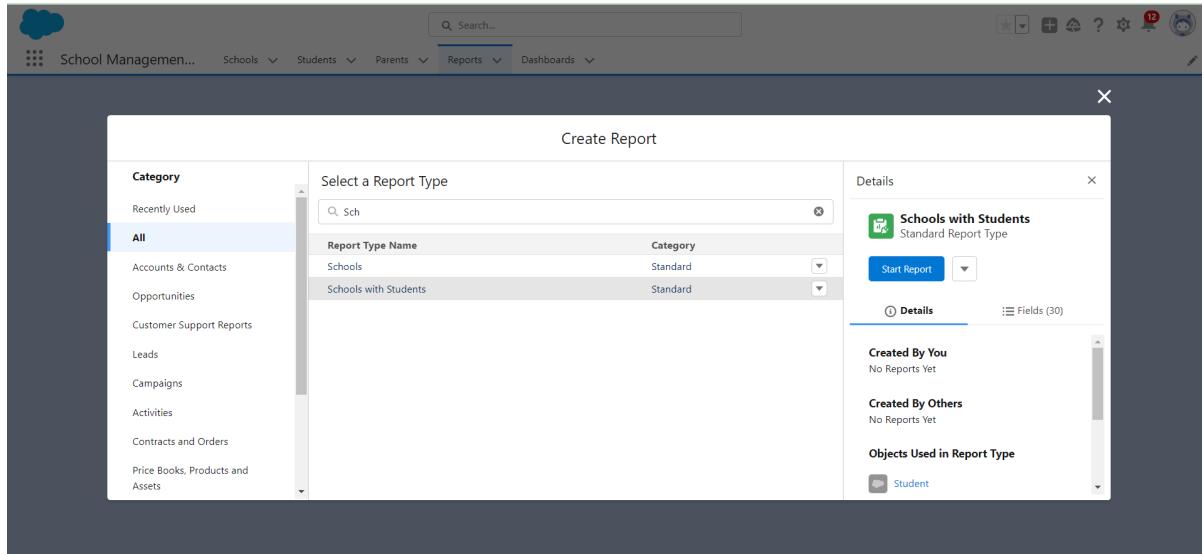
There are 3 types of access levels of folders:

- Viewer:
With this access level, users can see the data in a report but cannot make any changes except cloning it into a new report.
- Editor:
With this access level, users can view and modify the reports it contains and can also move them to/from any other folders they have access level as Editor or Manager.
- Manager:
With this access level, users can do everything Viewers & Editors can do, plus they can also control other user's access levels to this folder. Also, users with Manager Access levels can delete the report.

From this milestone we are going to import the data and create the reports and dashboards for datavisualization in the application.

Create Report

- In School Management App click Reports tab.
- Click New Report.
- Select the report type as School with students and parents for the report.
- Click start report.
- Customize your report, then save and run
- Give report name – Schools with Students Report
- Click Save



View Report

- Click on App Launcher on left side of screen.
- Search School Management App & click on it.
- Click on Reports Tab.
- Click on School with Students report and see records

School Management...

REPORT New Schools with Students Report Schools with Students

Outline Filters 1

Groups GROUP ROWS Add group... School: School Name Student: Student Name

1 School 2 anjali

2 School 1 shravan

Columns Add column... School: School Name Student: Student Name

Update Preview Automatically

School Management...

REPORT New Schools with Students Report Schools with Students

Save Report

*Report Name Schools with Students Report

Report Unique Name Schools_with_Students_Report_EkX

Report Description

Folder Private Reports Select Folder

Cancel Save

School Management...

Report: Schools with Students Schools with Students Report

Total Records 2

School: School Name Student: Student Name

1 School 2 anjali

2 School 1 shravan

Enable Field Editing Add Chart Edit

The screenshot shows a web-based school management application. At the top, there is a navigation bar with icons for user profile, notifications (with a red '2' badge), and other system functions. Below the navigation is a search bar labeled "Search...". The main menu includes "Schools", "Students", "Parents", "Reports" (which is currently selected), and "Dashboards".

The left sidebar contains a "Recent" section with a single item: "Schools with Students Report". This report is categorized under "Private Reports" and was created by "Sakshi Agnihotri" on "30/6/2023, 1:34 pm". The sidebar also lists categories for Reports (Created by Me, Private Reports, Public Reports, All Reports), Folders (All Folders), and Favorites (All Favorites).

The right side of the screen displays a table titled "Recent" with the following data:

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Schools with Students Report		Private Reports	Sakshi Agnihotri	30/6/2023, 1:34 pm	

TRIGGERS :

A trigger refers to an Apex code that is automatically executed before or after certain events occur in the

Salesforce platform, such as when a record is inserted, updated, deleted, or undeleted. Triggers are used to automate business processes, enforce data integrity, and perform custom logic on data.

A before trigger in Salesforce is executed before the records are actually inserted, updated, or deleted in the Salesforce database. This allows the trigger to perform certain actions or validations before the data is saved to the database.

Write A Trigger

write a trigger whenever the school website is null you should be unable to delete the record.

- Go to the gear icon and select the developer console.
- From the menu bar click on file and select Apex class.
- Now give the class name as schoolHandler
- Now Write the below code

```
public class schoolHandler {  
  
    public static void beforeDelete(list<School__c> oldlist){  
  
        for(School__c s : oldlist){  
  
            if(s.Schoolwebsite__c == null ){  
  
                saddError('you cannot delete the record');  
  
            }  
        }  
    }  
}
```

- From the menu bar click on file and select Apex trigger.
- Now give the trigger name as Internalmarks
- Now write the below code

```
trigger SchoolTrigger on School__c (before delete) {

    if(trigger.isDelete){

        if(trigger.isBefore){

            schoolHandler.beforeDelete(trigger.old);

        }

    }

}
```

The screenshot shows the Eclipse IDE interface. The top part is the code editor with the file 'schoolHandler.apxc' open. The code defines a public class 'schoolHandler' with a static void method 'beforeDelete' that iterates through a list of 'School__c' records and adds an error message for records where 'Schoolwebsite__c' is null. The bottom part is the 'Log' view, which is currently empty.

```
File < Edit < Debug < Test < Workspace < Help < >
schoolHandler.apxc * 4
Code Coverage: None API Version: 58 Go To
1+ public class schoolHandler {
2+     public static void beforeDelete(list<School__c> oldlist){
3+         for(School__c s : oldlist){
4+             if(s.Schoolwebsite__c == null ){
5+                 s.addError('you cannot delete the record');
6+             }
7+         }
8+     }
9+ }
```

User	Application	Operation	Time	Status	Read	Size

Logs Tests Checkpoints Query Editor View State Progress Problems

Click here to filter the log list

The screenshot shows a Salesforce IDE interface. At the top, there's a menu bar with File, Edit, Debug, Test, Workspace, Help, and a Go To button. Below the menu, two tabs are open: 'schoolHandler.apxc' and 'Internalmarks.apxt'. The code coverage is set to None and the API version is 58. In the code editor, there is a single trigger definition:

```
1 trigger SchoolTrigger on School__c (before delete) {
2     if(trigger.isDelete){
3         if(trigger.isBefore){
4             schoolHandler.beforeDelete(trigger.old);
5         }
6     }
7 }
```

Below the code editor is a log viewer. The tabs at the top of the log viewer are Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The 'Logs' tab is selected. The log table has columns for User, Application, Operation, Time, Status, Read, and Size. There are no logs listed in the table.

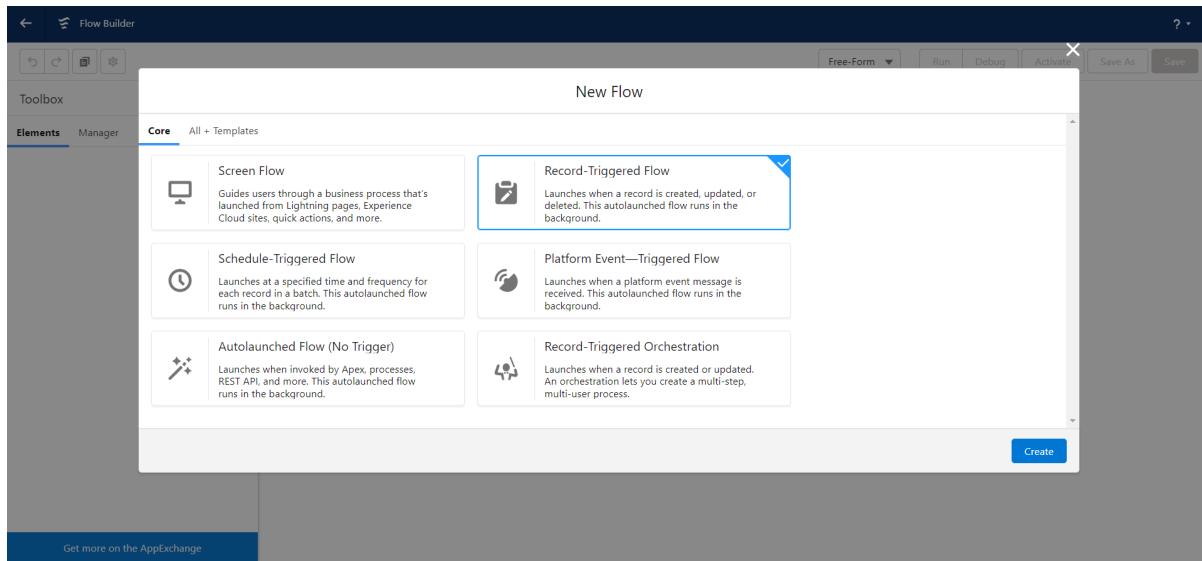
FLOW :

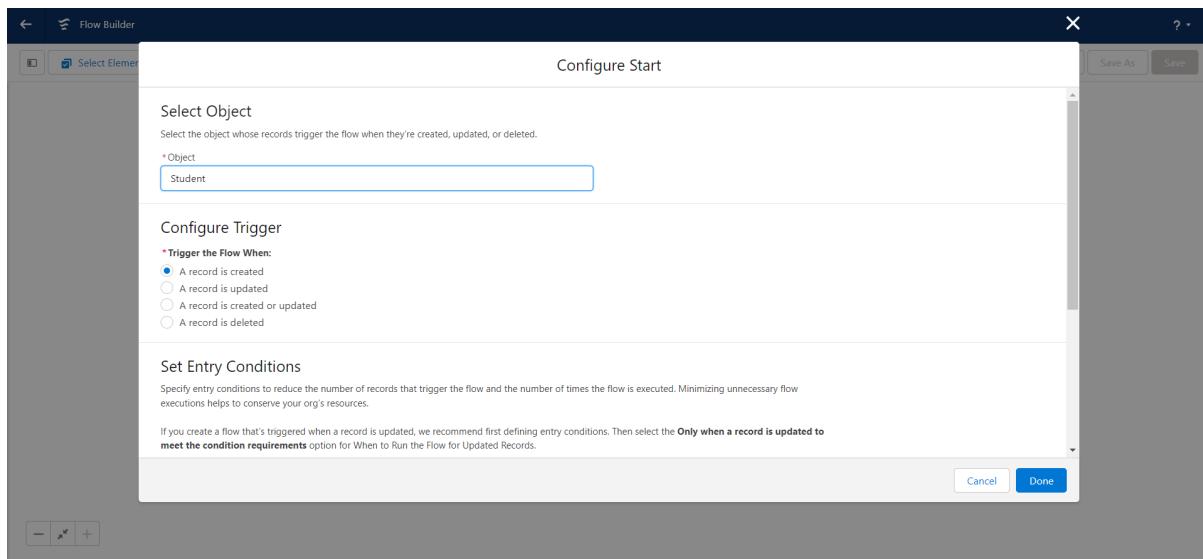
Record-triggered flows are a powerful automation tool in Salesforce that can streamline business processes, reduce manual work, and improve productivity. They can be used to automate a wide range of tasks, from simple to complex, and can be tailored to meet the unique needs of your organization.

Create Flow

Create a record triggered flow whenever a student record is created it must send the email to the student about their welcome.

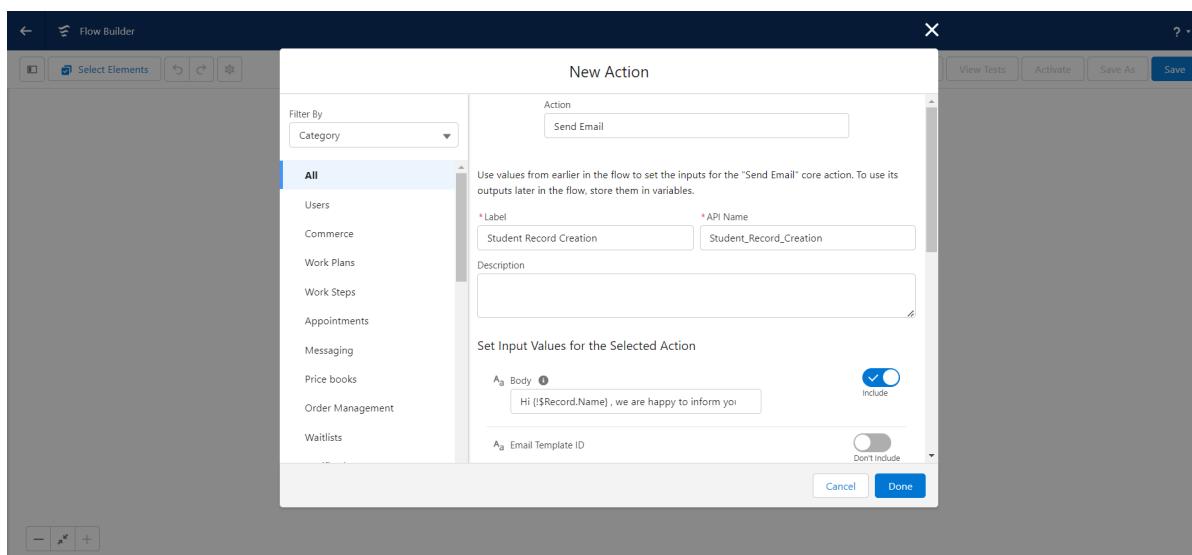
- Click on Gear icon and select setup
- In Quick find Box enter flow and select the flows
- Click on New flow and Select Record triggered Flows.

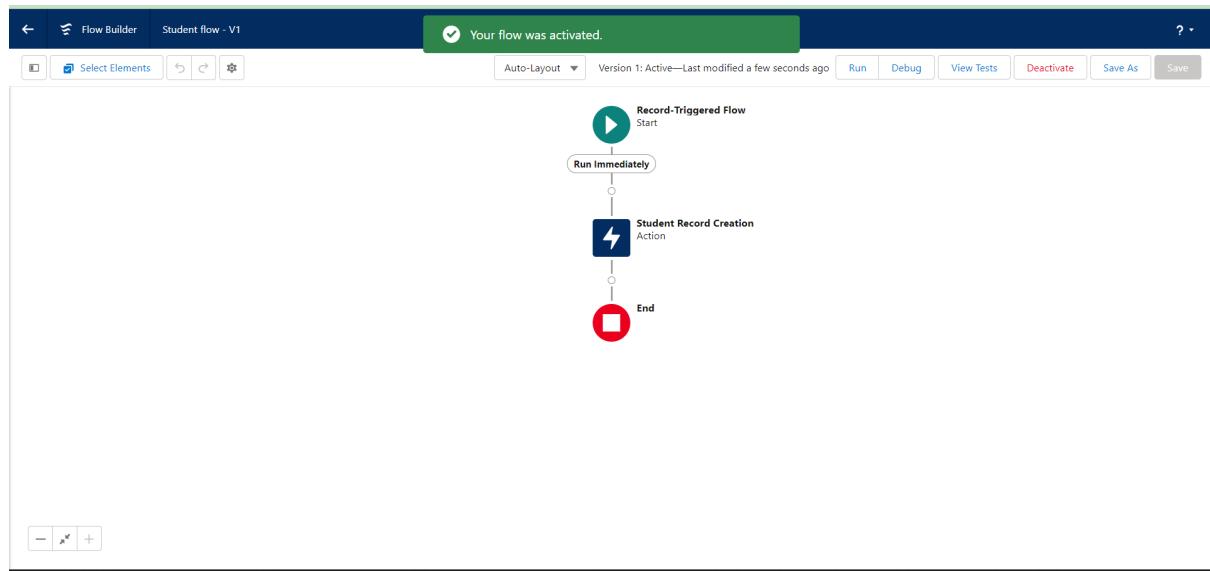
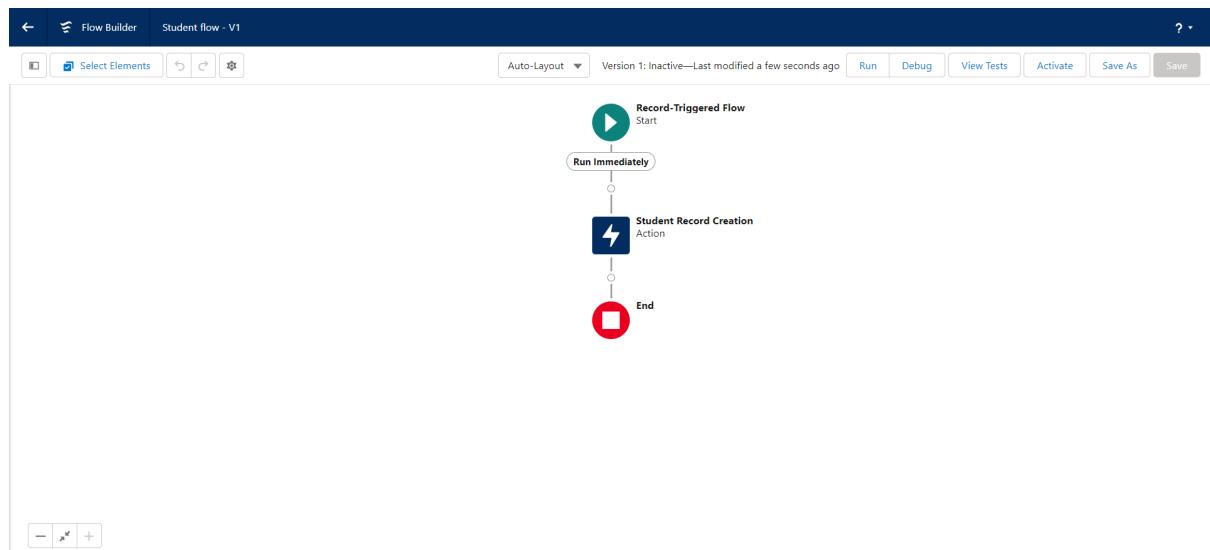




Enter the following details

- Label: Student Record Creation
- Api Name: Student_Record_Creation (Auto-populated)
- Body: Hi {!\$Record.Name} , we are happy to inform you that you have joined in our {!\$Record.school__r.Name}.
- Subject: Record Creation
- Recipient email Address: {!\$Record.Email__c}





- click on done and Click on save
- Flow label:Student flow
- Flow API Name:Student_flow
- and then click Activate.

The screenshot shows the Salesforce Setup interface with the 'Flows' tab selected. The left sidebar has sections for 'Process Automation' (with 'Identity' and 'Login Flows' expanded), 'Flows' (selected), and a search bar. The main area displays a table titled 'All Flows' with 35 items. The columns include 'Flow Label', 'Process Type', 'Active', 'Template', 'Package State', 'Last Modified By', and 'Last Modified Date'. The table lists various flows like 'Order on Behalf Of Flow', 'Outbound Modify Appointment', etc. A URL at the bottom of the page is highlighted.

Flow Label	Process Type	Active	Template	Package State	Last Modified By	Last Modified Date
Order on Behalf Of Flow	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Outbound Modify Appointment	Salesforce Scheduler Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Outbound New Appointment	Salesforce Scheduler Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Recurrence Schedule Flow	AutoLaunched Flow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Managed-Installed		
Reset Password	Screen Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Reship Order Flow	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Return Item Flow	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
RMA Create Credit Memo and Ensure Refunds Flow	AutoLaunched Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
RMA Return Items	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Simple Product Default Template	Screen Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		
Student flow	AutoLaunched Flow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unmanaged	Sakshi Agnihotri	30/06/2023, 1:54 pm
Verify Identity	Screen Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed		

organization

url

-https://vitchennai-3d-dev-ed.develop.lightning.force.com/lightning/o/School__c/list?filterName=Recent