

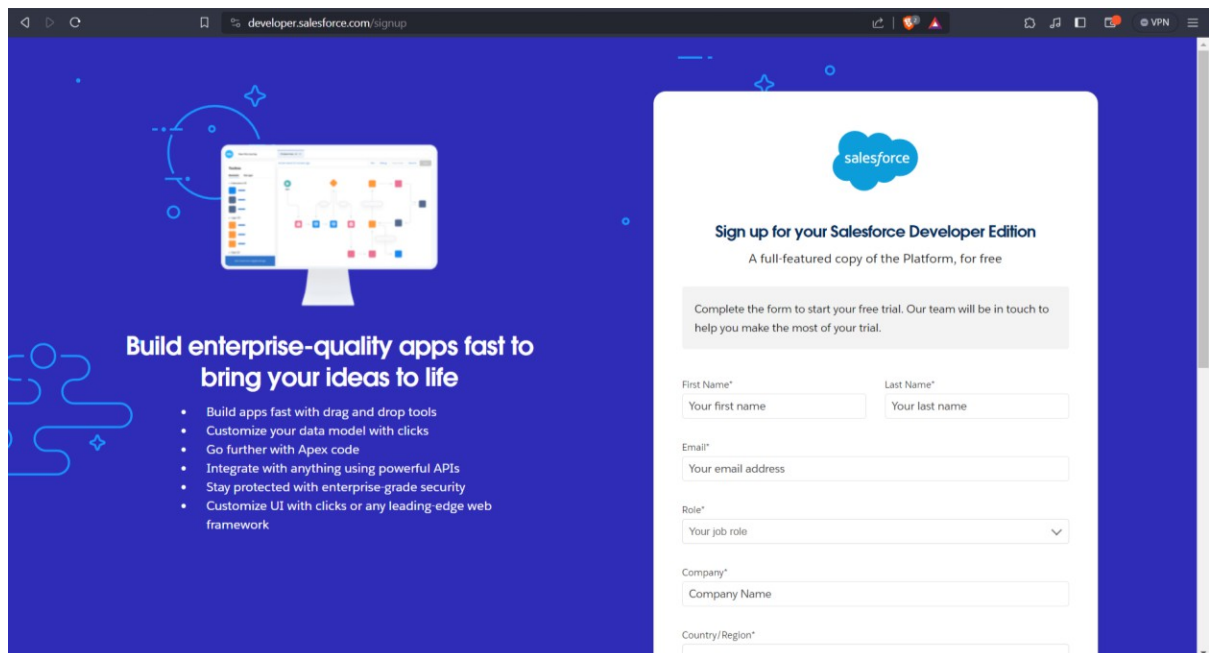
# Project Report on Creation of an Application for School Management

## Developer-(Short-Term)

**Introduction:** The creation of an application for school management is a multifaceted and innovative approach to streamline the administrative, academic, and communication processes within educational institutions. This application serves as a digital hub, offering a centralized platform for teachers, students, parents, and school administrators to efficiently manage various aspects of the school ecosystem.

### Milestone–01: Create a Developer Org

1. Go to [developers.salesforce.com/](https://developer.salesforce.com/)
2. Click on sign up.
3. On the signup form, enter the following details:
  - a. First name& Last name–**REMINGTON MELHIAS.A**
  - b. Email–[remingtonmelhias1998@gmail.com](mailto:remingtonmelhias1998@gmail.com)
  - c. Role: **Developer**
  - d. Company: **UCEN**
  - e. County: **India**
  - f. PostalCode:**629002**



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First Name\*  
Your first name

Last Name\*  
Your last name

Email\*  
Your email address

Role\*  
Your job role

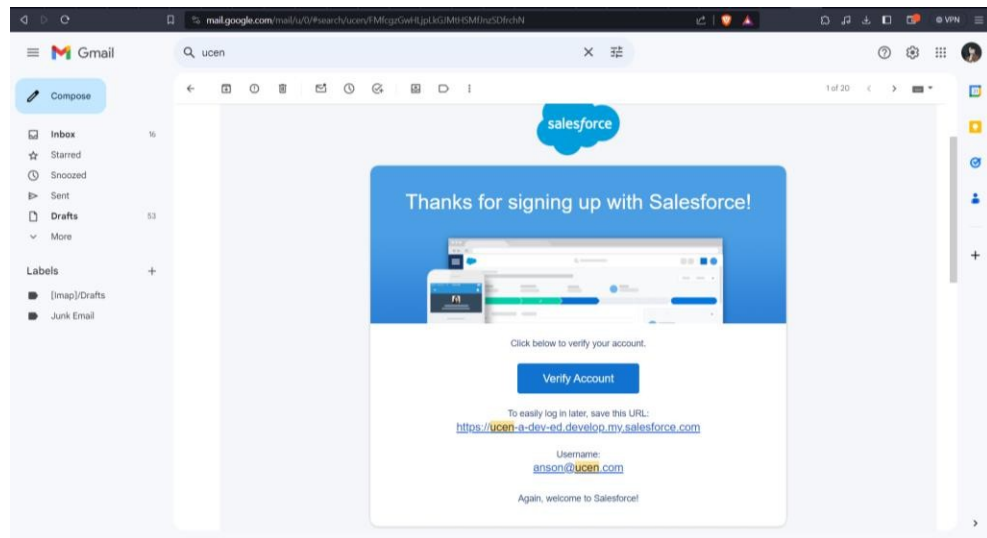
Company\*  
Company Name

Country/Region\*  
Country/Region

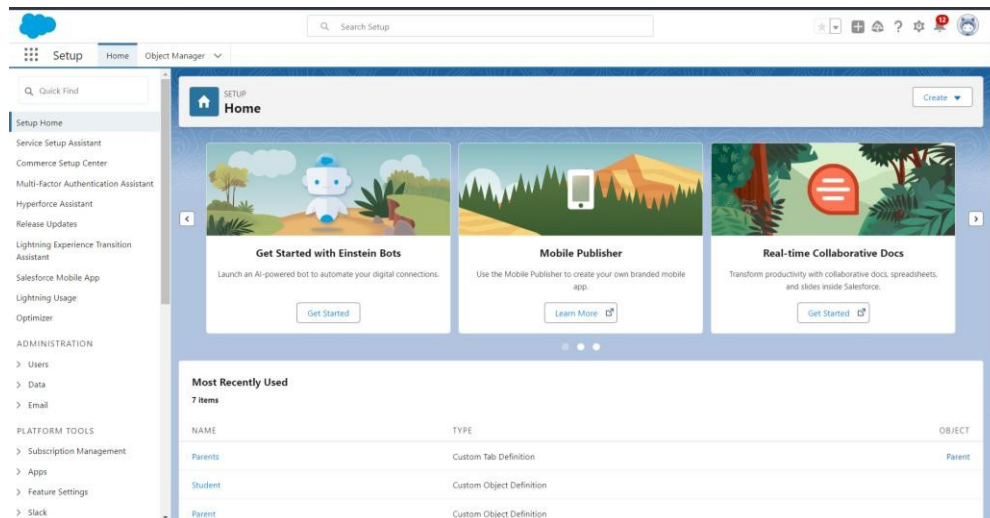
## Account Activation

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, as



1. Login To Your Sales force Account
2. Go to [salesforce.com](https://salesforce.com) and click on login.
3. Enter the user name and password that you just created.
4. After login this is the home page which you will see.



## Milestone–02: objects creation

### Object – Student

1. Click on the gear icon and then select Setup
2. Click on the object manager tab just beside the home tab
3. After the above steps, have a look on the extreme right you will find a Create Dropdown click on that and select Custom Object
4. On the Custom Object Definition page, create the object as follows:
5. Label: **Student**
6. Plural Label: Students
7. Record Name: Student Name
8. Check the Allow Reports checkbox
9. Check the Allow Search checkbox
10. Click Save

### Object–Parent

1. Click on the gear icon and then select Setup.
2. Click on the **objectmanager** tab just beside the home tab.
3. After the above steps, have a look on the extreme right you will find a Create Drop down click on that and select Custom Object.
4. On the Custom Object Definition page, create the object as follows:
5. Label: **Parent**
6. Plural Label: Parents
7. Record Name: **Parent Name**(AutoNumber)
8. Check the Allow Reports checkbox
9. Check the Allow Search check box and Click Save

NAME	TYPE	OBJECT
Parents	Custom Tab Definition	Parent
Student	Custom Object Definition	




## Milestone—03: Creation of Tabs

### Tab- Passport Object

1. Navigate to setup and home
  2. Enter Tabs in Quick Find Box and select Tabs
  3. Under Custom Object Tabs, click New
  4. For Object, select **Parent**
  5. For Tab Style, select any icon
  6. Leave all defaults as is. Click Next, Next, and Save **Parent-slot**
1. Navigate to setup and enter Tabs in Quick Find and select Tabs. Under Custom Object Tabs, click New.
  2. For Object, select **Parent Slot**.
  3. For Tab Style, select any icon.
  4. Leave all defaults as is. Click Next, Next, and Save

### Tab—Student

1. Navigate to setup and enter Tabs in Quick Find and select Tabs Under Custom Object Tabs, click New
2. For Object, select **Student**
3. For Tab Style, select any icon
4. Leave all defaults as is. Click Next, Next, and Save

Custom Object Tabs			<a href="#">New</a> <a href="#">What Is This?</a>
Action	Label	Tab Style	
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Parents</a>	 Sun	
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Schools</a>	 Books	
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Students</a>	 Laptop	

## **Milestone–05: Field creation**

### **Field creation : School**

1. Field Name: Address
2. Full Name: Text
3. Contact Number: Number
4. Address Number: Text
5. Permanent Address: Text

### **Field creation: Students**

1. Navigate to Setup
2. Click the Object Manager next to Home Tab
3. Type Student in Quick Find and Select it
4. Click on Fields and Relationships
5. Click New
6. Select Data Type: Text, click on next
7. Field Label: Phone Number
8. Length: Max 10
9. Check always requires a value to save this record
10. Click next
11. Next, Save or Save & New(if further new field will be create)

### **Field Creation-Email**

1. Navigate to Setup
2. Click the Object Manager next to Home Tab
3. Type Student in Quick Find and Select it
4. Click on Fields and Relationships
5. Click New
6. Select Data Type: Email, click on next
7. Field Label: Email
8. Click on next
9. Next, Save.

## Field Creation-Permanent Address

1. Navigate to Setup
2. Click the Object Manager next to Home Tab
3. Type Passport in Quick Find and Select it
4. Click on Fields and Relationships
5. Click New
6. Select Data Type: Text Area, click on next
7. Field Label:Permanent Address
8. Next, next and save

The screenshot shows the Salesforce Setup interface. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager' tabs. Below this, the 'Passport' object is selected. The left sidebar contains a list of setup options, with 'Fields & Relationships' highlighted. The main content area displays a table of fields for the 'Passport' object. The table has columns for 'FIELD LABEL', 'FIELD NAME', 'DATA TYPE', 'CONTROLLING FIELD', and 'INDEXED'. The fields listed are: 'Contact Number' (Number(10, 0)), 'Created By' (Lookup(User)), 'Full Name' (Text(80)), 'Last Modified By' (Lookup(User)), 'Owner' (Lookup(User/Group)), 'Passport Number' (Text(80)), and 'Permanent Address' (Text Area(255)).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Number	Contact_Number__c	Number(10, 0)		
Created By	CreatedById	Lookup(User)		
Full Name	Full_Name__c	Text(80)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User/Group)		✓
Passport Number	Name	Text(80)		✓
Permanent Address	Permanent_Address__c	Text Area(255)		

## Fields Available On Custom Object: Student

Slot Field Name	Data Type
Location	:Text
Time	:Date& Time
Visa Slot Number	:Auto Number
Passport Number	:Master-Detail
Status	:pick list

### Creation Status

1. Click on Object Manager, search and select Student Slot
2. Click Fields& Relationships and click on new.
3. Chose on pick list, next.
4. Next, next and save.

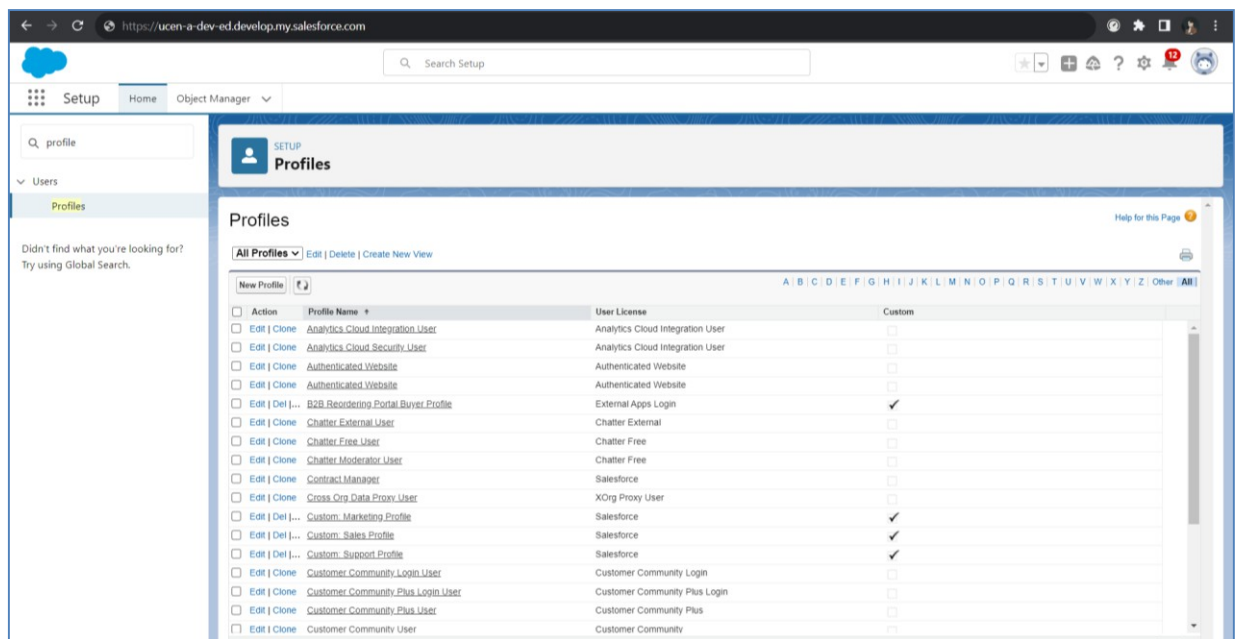
The screenshot shows the Salesforce Object Manager interface for the 'Parent' object. The top navigation bar includes the Salesforce logo, a search bar labeled 'Search Setup', and various utility icons. Below the navigation bar, the 'Setup' menu is open, showing 'Home' and 'Object Manager' as options. The main content area is titled 'SETUP > OBJECT MANAGER Parent'. On the left, a sidebar lists various configuration options: 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, Scoping Rules, and Triggers. The 'Details' section is currently selected, displaying a table of object details. The table has two columns: 'Field Name' and 'Value'. The rows are: Description (empty), API Name (Parent\_\_c), Custom (checked), Singular Label (Parent), Plural Label (Parents), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and a final row with an empty field name and the value 'Standard salesforce.com Help Window'. At the top right of the details section, there are 'Edit' and 'Delete' buttons.

Field Name	Value
Description	
API Name	Parent__c
Custom	✓
Singular Label	Parent
Plural Label	Parents
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window
	Standard salesforce.com Help Window

## Milestone-06: Creation on Profile

### Creation of Profile

1. From setup, enter Profiles from Quick Find Box
2. Select Profiles
3. Click new, Choose Standard User
4. For Profile Name, Enter School Profile
5. Click Save
6. From School Profile Page, click edit
7. Scroll down to custom object permissions and give view all access permissions



## Milestone-07:User Creation

### Of User

1. Navigate to setup
2. In Quick Find box select and search: User
3. Click: New user
4. Give First and Last Name
5. Enter your email in the email field
6. Enter user name, it must be unique
7. User license: sales force platform
8. In the profile field: Standard user profile
9. Check, Generate new password and notify user immediately
10. Save



The screenshot shows the Salesforce Setup interface. On the left is a navigation sidebar with a search bar containing 'users'. Below the search bar, a list of setup items is shown, with 'Users' highlighted. The main content area is titled 'All Users' and includes instructions on how to create, view, and manage users. It also provides a link to 'Let's Go' to get more licenses. Below this, there are buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'. A table lists the current users with columns for Action, Full Name, Alias, Username, Role, Active status, and Profile. The table contains four users: 'Antony S. Anson' (System Administrator), 'Chatter Expert' (Chatter Free User), 'User Integration' (Analytics Cloud Integration User), and 'User Security' (Analytics Cloud Security User). At the bottom of the table, there are again buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'. A red error message is visible at the bottom of the screenshot: 'javascript:srcUp(%27%2F005h000009tq4Y%2Fe%3FisUserEntityOverride%3D1%26retURL%3...

## Organization Wide Defaults Settings

1. Steps of OWD settings:
2. Navigate setup in Quick Find search bar
3. Type Sharing Setting and Select it.
4. Edit: Organization Wide Defaults.
5. Scroll down list and select Passport object and change the default external Access to Public Read/Write.
6. Save.

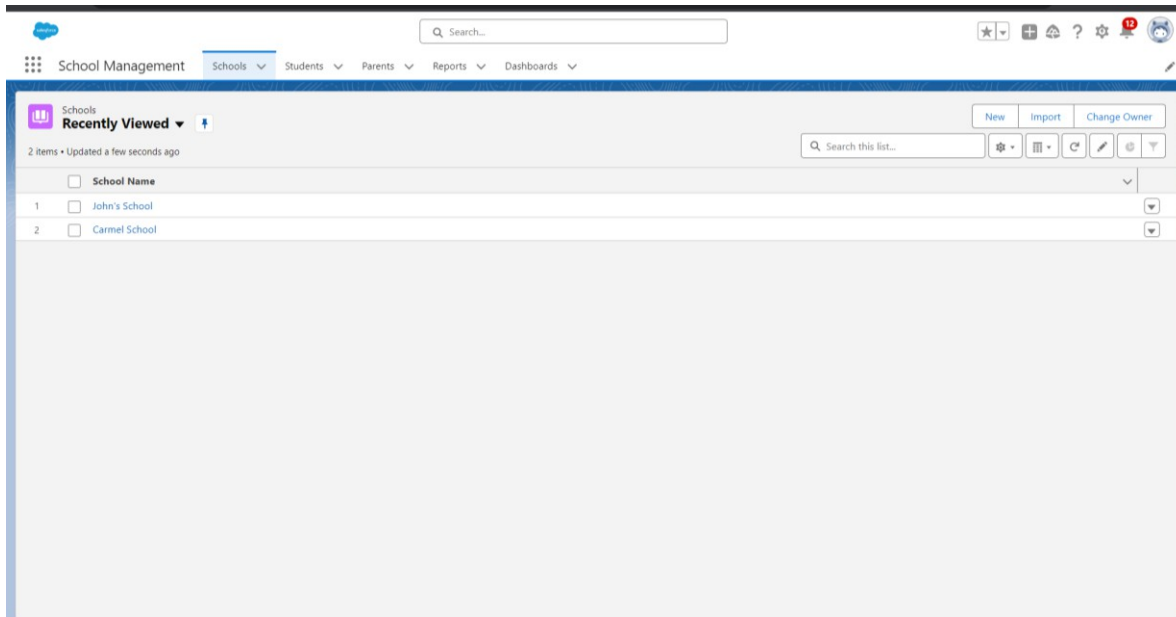
## Milestone-08: User Adoption Create

### Record- School

1. Click on App Launcher on left side of screen.
2. Search School ManagementApp& click on it.
3. Click on Passport tab.
4. Click new button
5. Fill all School Name record details.
6. Click on Save Button.

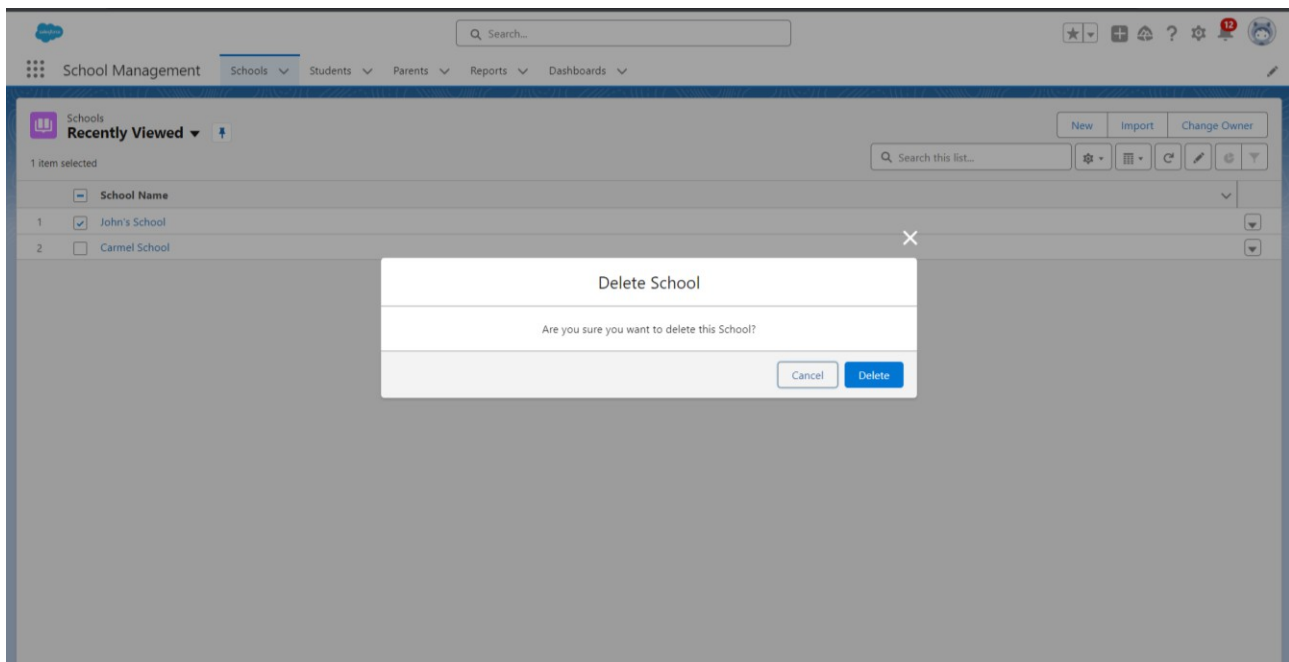
### View Record-School

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



## Delete Records-School

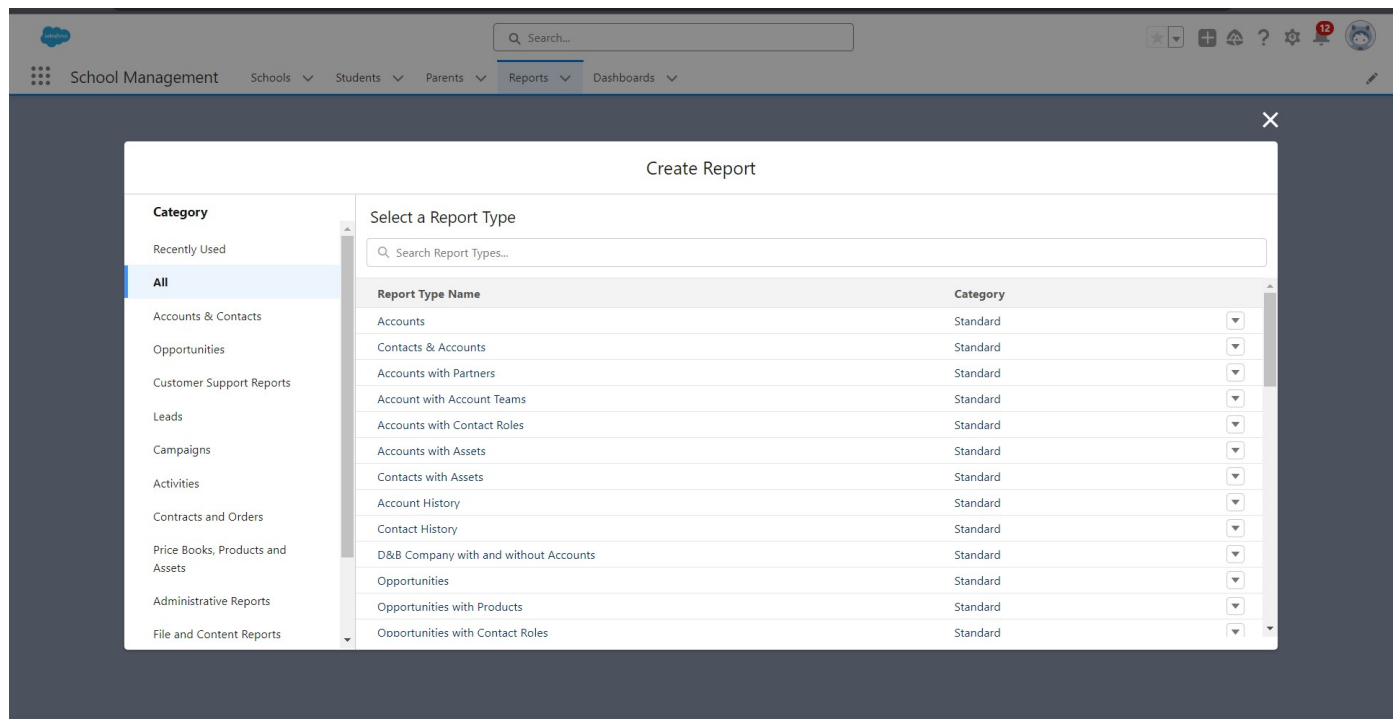
1. Click on App Launcher on left side of screen.
2. Search School Management& click on it.
3. Click on Schools Tab.
4. Click on Arrow at right hand side on that Particular record.
5. Click delete and delete again.



## Milestone-09: Reports Creation

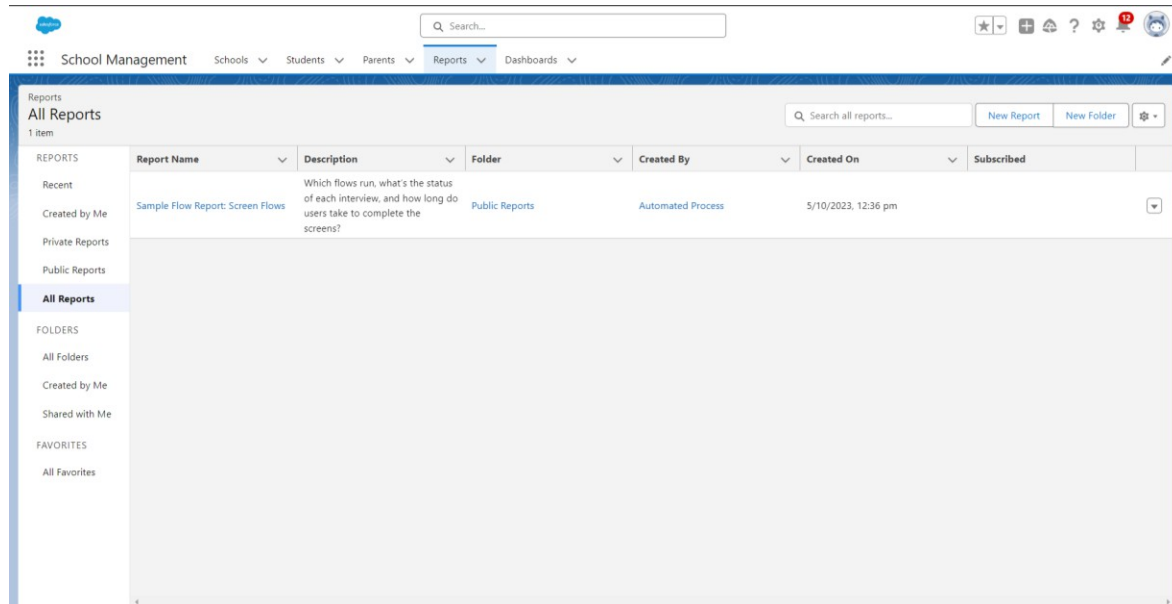
### Of Report

1. In School Management App, clicks Reports Tab
2. Click Report-select New Report
3. Select Report Type as School with Students and parents for there port
4. Click on Start Report button
5. Customize the report, then save and run
6. Give Report Name-School with Students Report
7. Analyse the reports for each students
8. This report provides in sight regarding the students performance
9. Click Save



## Report

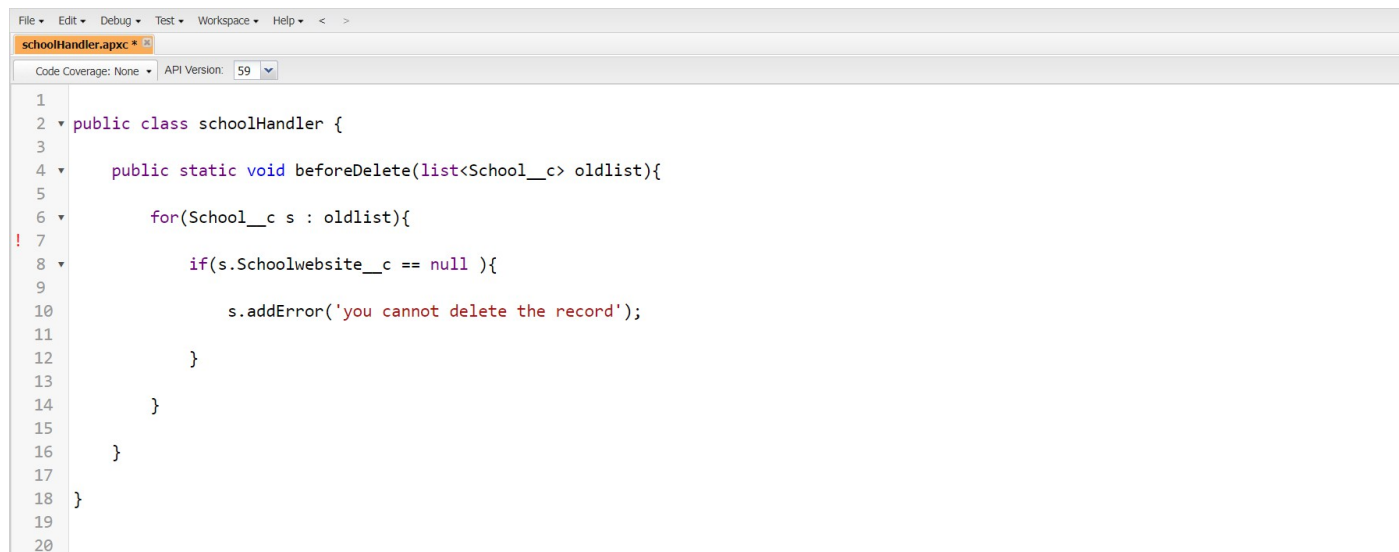
1. Click on App Launcher on left side of screen.
2. Search School Management App& click on it.
3. Click on Reports Tab.
4. See reports.



## Milestone–10:Apex Triggers

### Write A Trigger:

1. Click on Setup Gear at drop down list you can find developer console click on that.
2. At the left side top you can find the option new click on that and then apex class and give the name as **school Handler**



## Write A Trigger-2

1. Click on Setup Gear at drop down list you can find developer console click on that.
2. At the left side top you can find the option new click on that and then apex trigger.
3. Give the name as **Internal Marks**

```
File Edit Debug Test Workspace Help < >
schoolHandler.apxc InternalMarks.apxt
Code Coverage: None API Version: 59 Go To

1 trigger SchoolTrigger on School__c (before delete) {
2
3     if(trigger.isDelete){
4
5         if(trigger.isBefore){
6
7             schoolHandler.beforeDelete(trigger.old);
8
9         }
10
11     }
12
13 }
14
15
```

## Milestone-11:Create Flow

### Create a Flow:

1. Click on gear icon, click Setup
2. In Quick Find, search for flows and select the flows
3. Click on flows and select the Record Triggered Flows

Select Elements

Auto-Layout Run Debug View Tests Activate Save As Save

Record-Triggered Flow Start

Run Immediately

Add Element

email

Send Email Alert

Send Email

End

Select Object

Select the object whose records trigger the flow when they're created, updated, or deleted.

\* Object

Student

Configure Trigger

\* Trigger the Flow When:

☒ A record is created

☐ A record is updated

☐ A record is created or updated

☐ A record is deleted

Set Entry Conditions

Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed. Minimizing unnecessary flow executions helps to conserve your org's resources.

If you create a flow that's triggered when a record is updated, we recommend first defining entry conditions. Then select the **Only when a record is updated to meet the condition requirements** option for When to Run the Flow for Updated Records.

Condition Requirements

None