



Creation Of An Application For School Management USING SALESFORCE

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INTRODUCTION

Overview:

The title of the project is “School Management system”. This project will handle whole the activities of the school. SMS has most of the facilities that a modern school requires to computerize its day-to-day jobs. It provides facilities to keep the records of student, fees, teaching and non-teaching staff with all their required details along with all required transaction handling. It has facilities to generate various types of reports, which are required by the management during normal business operations to operate the business effectively.

Purpose:

- ☐ Make all the system computerize
- ☐ Reduce time consumption
- ☐ Reduce error scope
- ☐ All system managements are automated
- ☐ Centralized database management
- ☐ Easy operations for operator of the system
- ☐ No paper work requirement

PROBLEM DEFINITION & DESIGN THINKING

Empathy Map



Figure 1- Empathy map on Job Application Management done by Our Team

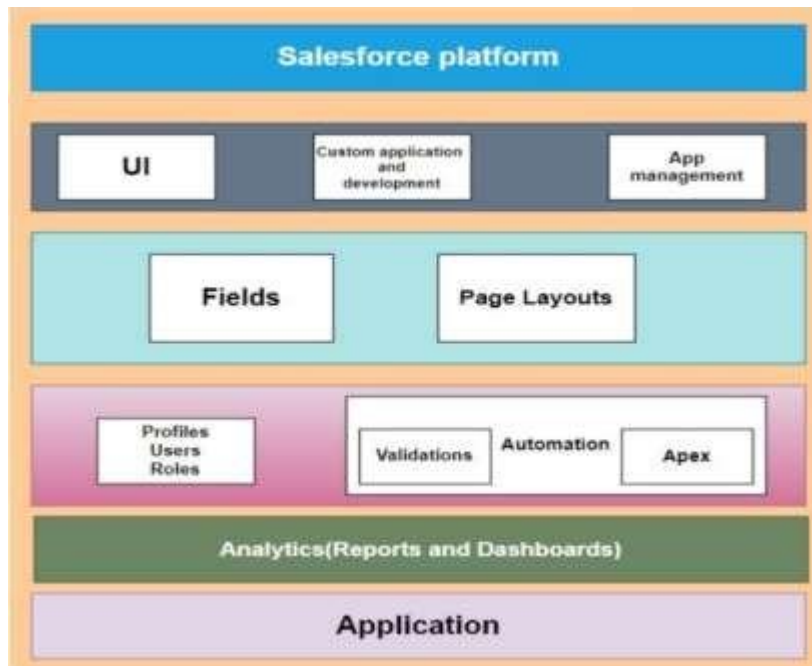
Ideation & Brainstorming Map



Figure 2 - Brainstorm map on Job Application Management done by Our Team

Preparation Data Modelling

TECHNICAL ARCHITECTURE:

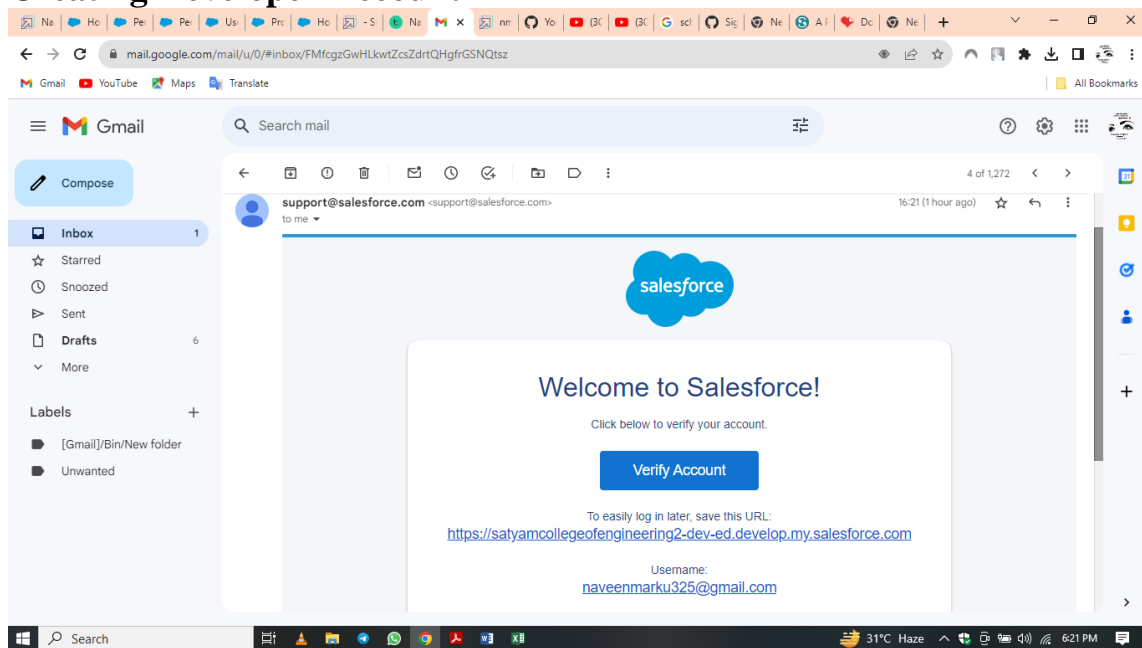


DATA MODEL:

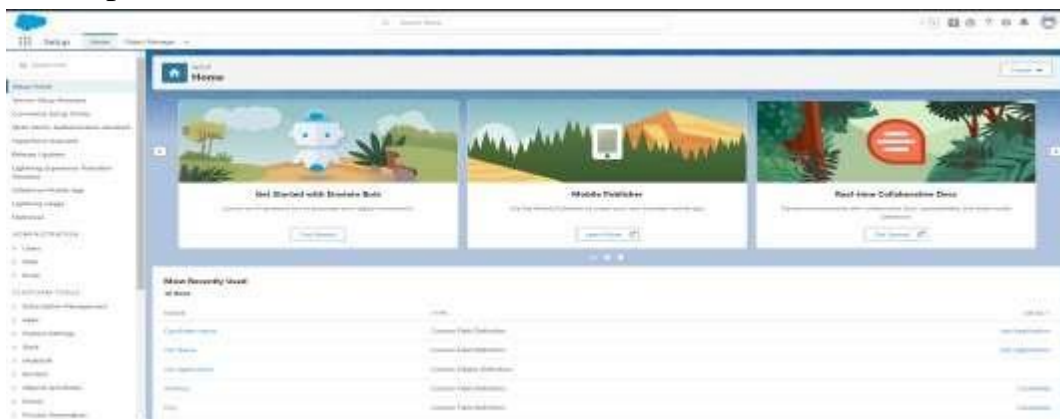
Object name	Fields in the Object	
Recruiter	Field label	Data type
	Job Title	Text
Job	Field label	Data type
	Job	Text
Candidate	Field label	Data type
	Candidate	Text
Job Application Object	Field label	Data type
	Job Application Object	Text

Activity & Screenshot

1. Creating Developer Account



2. Developer Account is Created and Activated



3. Create a Custom Objects Students, Parents, School

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4.Creating a Lightning App for School Management.

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GmailYouTubeMapsTranslate

All Bookmarks

Search Setup

SetupHomeObject Manager

Quick Find

Setup Home

Service Setup Assistant

Commerce Setup Center

Multi-Factor Authentication Assistant

Hyperforce Assistant

Release Updates

Lightning Experience Transition Assistant

Salesforce Mobile App

Lightning Usage

Optimizer

ADMINISTRATION

> Users

> Data

> Email

SETUP

Lightning Experience App Manager

New Lightning AppNew Connected App

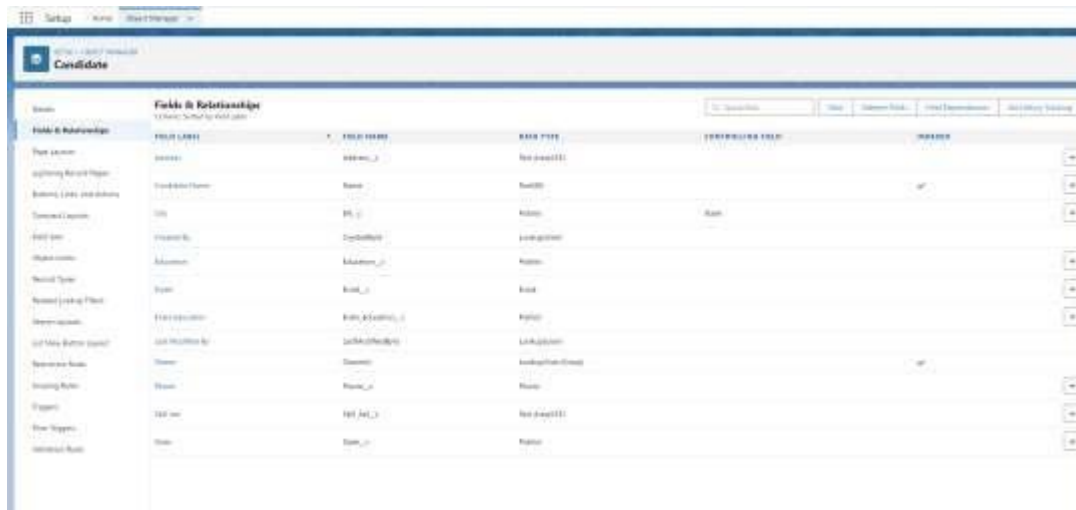
22 items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type

	App Name	Developer Name	Description	Last Modified	Ap...	Vi...
12	Queue management	Queuedmanagement	Create and manage queues for your business.	08/10/2023, 4:41 pm	Lightning	
13	Sales	Sales	The world's most popular sales force automation (SFA) solution	08/10/2023, 4:41 pm	Classic	
14	Sales	LightningSales	Manage your sales process with accounts, leads, opportunities, a...	08/10/2023, 4:41 pm	Lightning	✓
15	Sales Console	LightningSalesConsole	(Lightning Experience) Lets sales reps work with multiple records...	08/10/2023, 4:41 pm	Lightning	✓
16	Salesforce Chatter	Chatter	The Salesforce Chatter social network, including profiles and feeds	08/10/2023, 4:41 pm	Classic	✓
17	Salesforce Schedul...	LightningScheduler	Set up personalized appointment scheduling.	08/10/2023, 4:43 pm	Lightning	✓
18	School Manageme...	School_Management_A...	This is the school management app	22/10/2023, 3:44 pm	Lightning	✓
19	Service	Service	Manage customer service with accounts, contacts, cases, and mo...	08/10/2023, 4:41 pm	Classic	✓
20	Service Console	LightningService	(Lightning Experience) Lets support agents work with multiple re...	08/10/2023, 4:41 pm	Lightning	✓
21	Site.com	Sites	Build pixel-perfect, data-rich websites using the drag-and-drop ...	08/10/2023, 4:41 pm	Classic	
22	Subscription Mana...	RevenueCloudConsole	Get started automating your revenue processes	08/10/2023, 4:41 pm	Lightning	✓

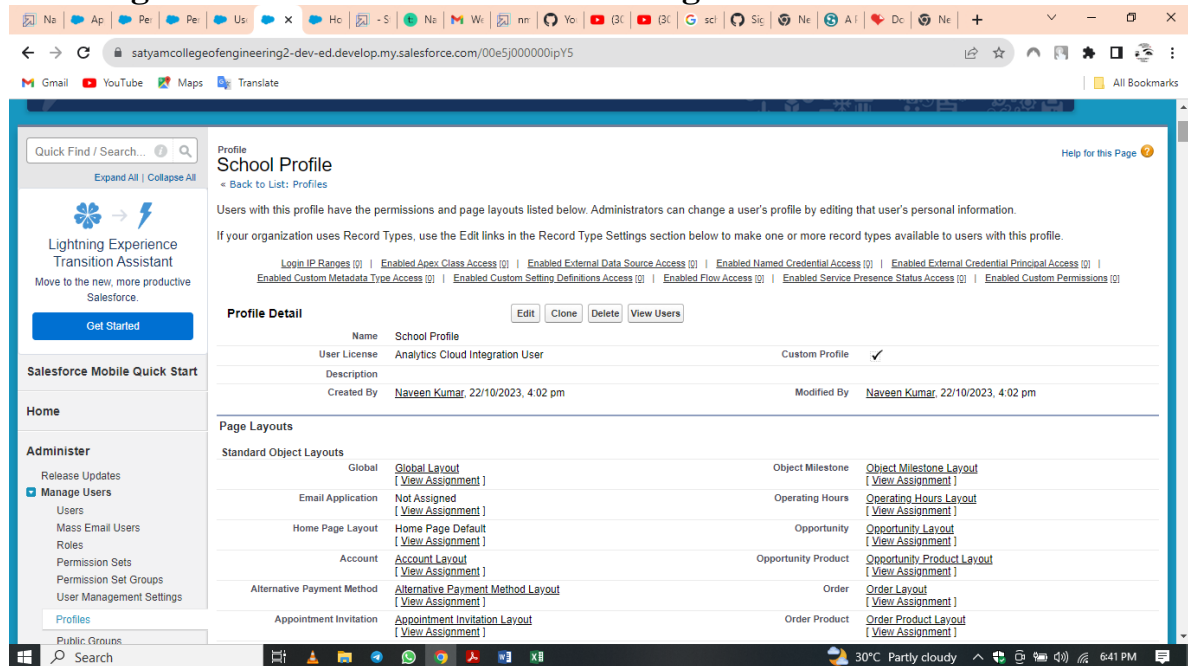
30°C Partly cloudy6:35 PM

3. Fields and Relationship for the following object (School,Student,Parent)

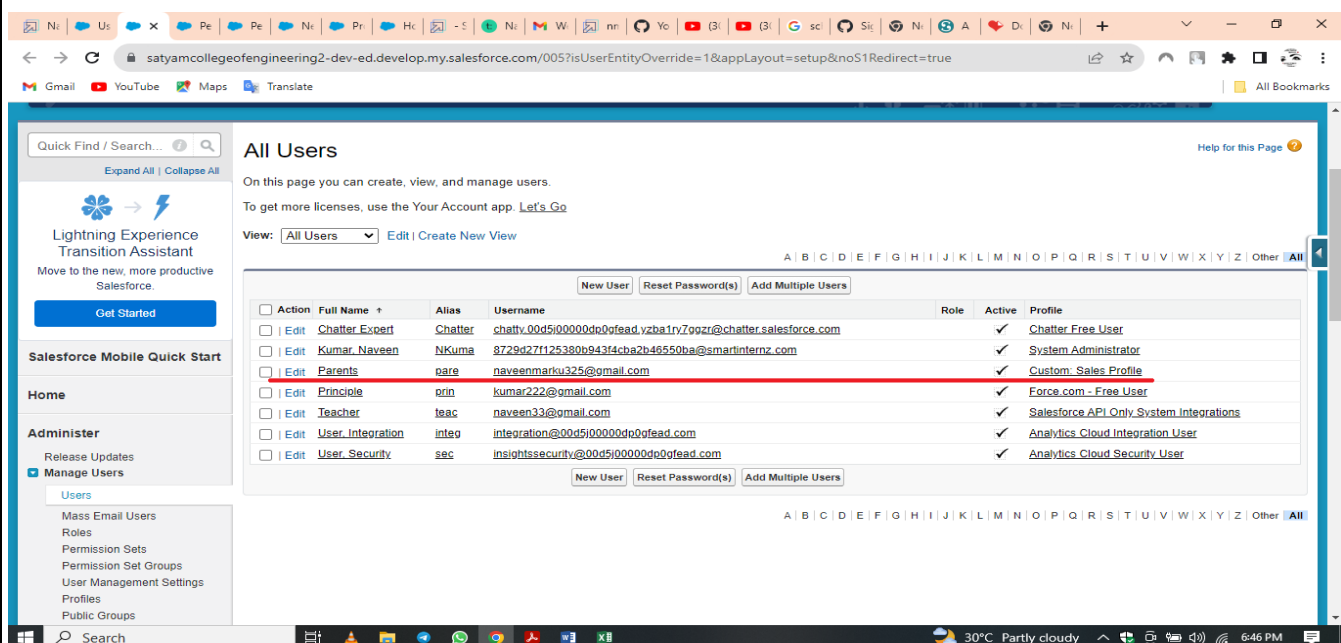
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4. Creating a Custom Profile for the following



5. Creating user



Creating an Apex Trigger:

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

```
trigger SchoolTrigger on School__c (before delete) {  
    if(trigger.isDelete){  
        if(trigger.isBefore){  
            schoolHandler.beforeDelete(trigger.old);  
        }  
    }  
}
```

TRAILHEAD PROFILE PUBLIC URL

TEAM HEAD -- <https://www.salesforce.com/trailblazer/naveenkumars1587>

TEAM MEM 1-- <https://www.salesforce.com/trailblazer/nandhinikudedvn0fspa7>

TEAM MEM 2 –

TEAM MEM 3 –

Advantages:

- Saves Time & Resources
- Improves Communication
- Better Efficiency
- Better Student Data Management
- Quick Access to Every Information

Disadvantages:

- The software is not user-friendly - it can be difficult for teachers and administrators to use if the software is not well designed with the latest UI parameters.
- If the school management software is **not affordable**, then it can be a financial burden for schools.
- The school management software does not have enough features to fulfill the school's requirements

CONCLUSION:

In conclusion, school management software is an essential tool for educational institutions. It helps to streamline administrative tasks, improve communication, and enhance overall efficiency. By using school management software, schools can improve student outcomes and provide a better education for their students.

