# Creation of an Application for school Management

#### **INDRODUCTION**

#### Overview:

A CRM (Customer Relationship Management) application for a school or college is a software solution designed to help educational institutions manage interactions with current and potential students, as well as other stakeholders such as parents, alumni, and donors. The purpose of this application is to streamline communication, improve the overall student experience, and help institutions make datadriven decisions.

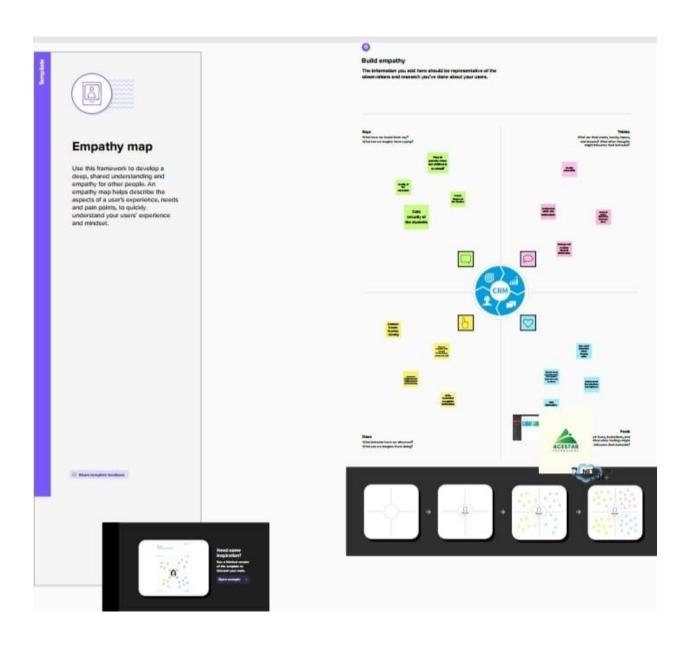
Some of the key features of a CRM application for schools and colleges may include student information management, admissions management, event management, fundraising management, and alumni relations management. By using a CRM application, educational institutions can track student progress, automate communications, and provide personalized experiences for students and other stakeholders.

#### **Purpose**

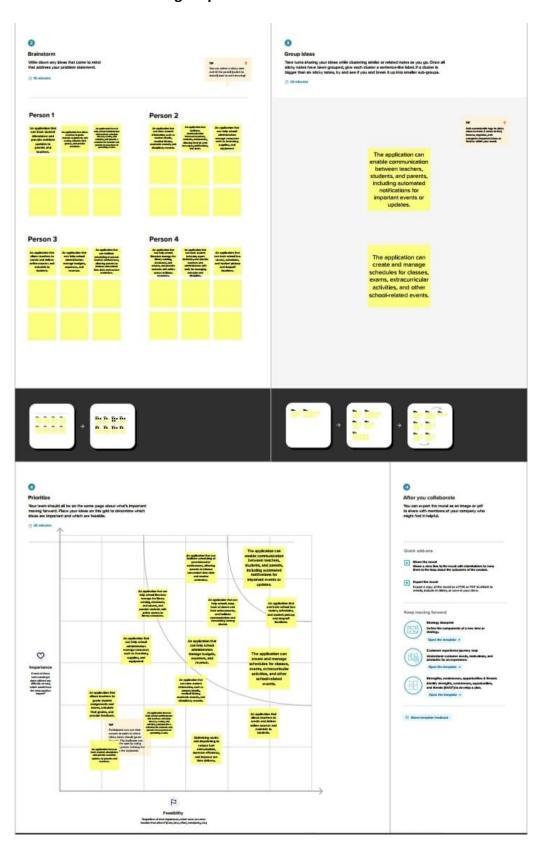
- The purpose of creating an application for school management is to provide an efficient and organized system for managing various administrative and academic tasks in a school setting. This application can streamline many processes such as attendance tracking, grading, scheduling, student information management, communication between teachers, students, and parents, and much more.
- By using a school management application, schools can reduce manual paperwork, enhance communication, and save time and effort. It can also provide real-time updates to parents and students about attendance, grades, and other school-related information.
- Moreover, such an application can help school administrators to manage resources effectively, such as tracking inventory and supplies, scheduling maintenance tasks, and managing budgets.Overall, a school management application can improve the efficiency and productivity of the school staff, students, and parents, while enhancing the educational experience for students...

## **Problem Definition & Design Thinking**

## **Empathy Map**



## **Ideation & Brainstorming Map**



## **RESULT**

## Data Model:

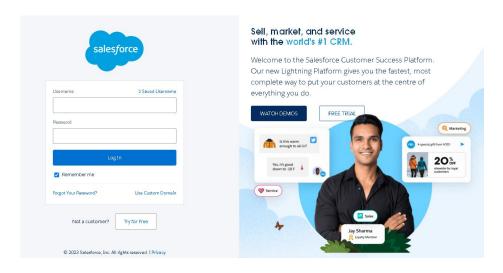
Object name	Field in the object		
School	Field lable	Data type	
	School Name	Text	
	School wepsite	URL	
	Phone number	Phone	
	State	Text Area	
	Diistrict	Text Area	
Parents	Parent name	Text	
	Parent address	Text area	

	Student name	Text
	result	Picklist
	Phone number	phone
	Parent number	phone
Students		
	Parent adress	Text area
	Number of students	Roll-up-Summary
	class	Number

## **Activity & ScreenShot**

## **Milestone 1:Creation Salesforce Org:**

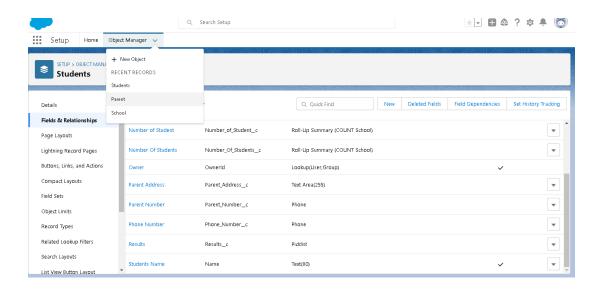
## **Activity 1:**Creating Developer Account Creating a developer org in salesforce.



## Milestone-2:Object

#### Activity 1 and 2 and 3: To Create an object:

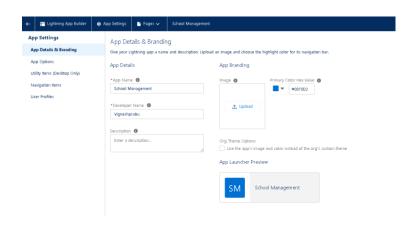
Creation of Objects for Vehicle Management, For this Vehicle Management to creating two objects i.e *School*, *Student*, *parent*.



## Milestone-4:Lightning App

#### Activity-1:

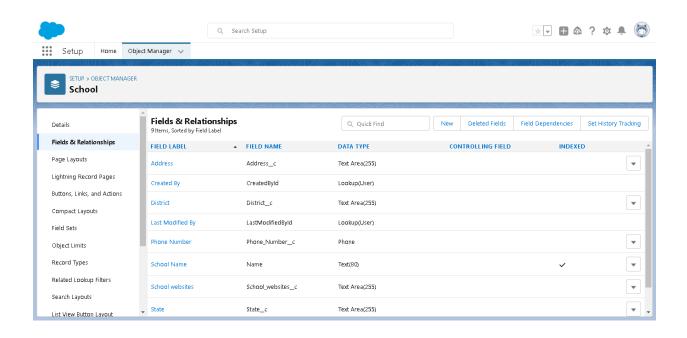
Creating the School management app

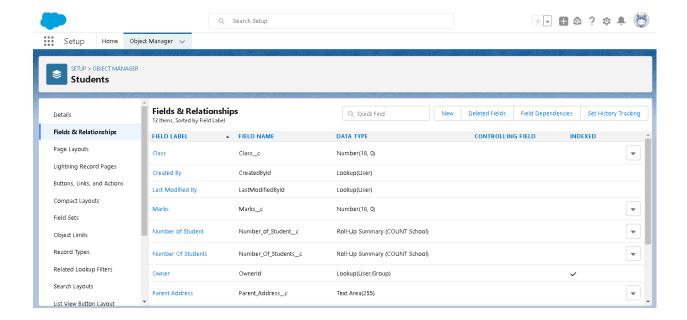


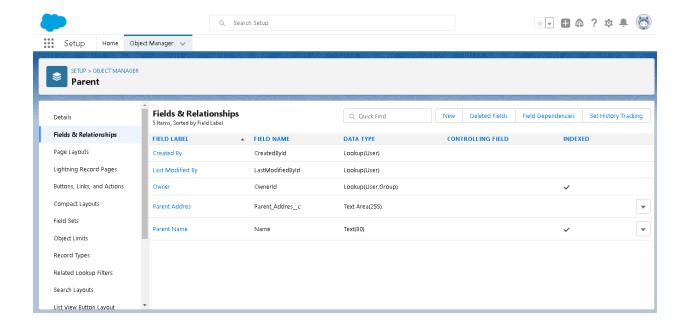
#### Milestone -4: Fields and Relationship

#### Activity-1, 2 and 3: Creation of fields:

Creating a Fields in student, parent and school objects





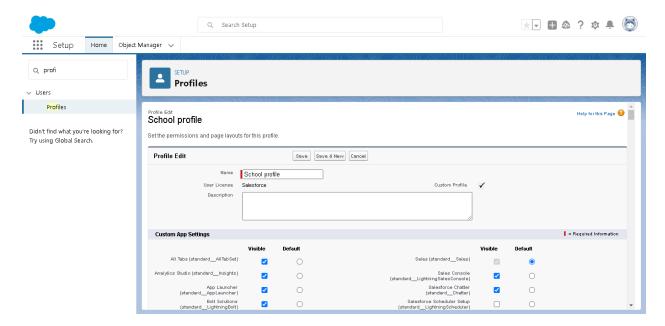


#### Milestone-5: Profile

#### **Activity 1:**

#### Creating a Profiles:

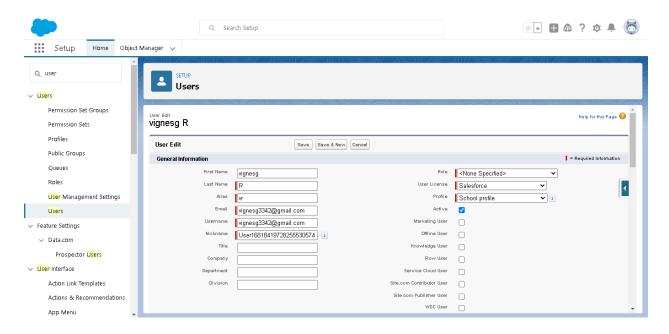
create a School profile and set its object permissions.



#### Milestone-6: Users

#### **Activity 1:**

#### Creating a Users:

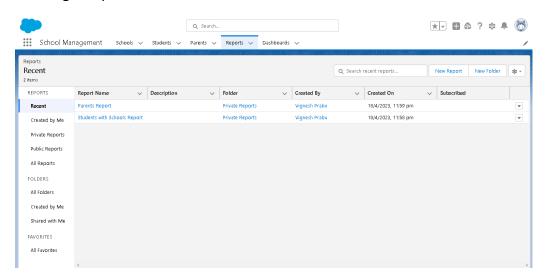


## Milestone-7:Reports

#### **Activity 1:**

#### Reports

#### Creating a Reports



#### Trailhead Profile Public URL

Team Leader - <a href="https://trailblazer.me/id/vicky143r">https://trailblazer.me/id/vicky143r</a>

Team Member 1 - <a href="https://trailblazer.me/id/irulanalagu">https://trailblazer.me/id/irulanalagu</a>

Team Member 2 - <a href="https://trailblazer.me/id/muthm29">https://trailblazer.me/id/muthm29</a>

Team Member 3 - <a href="https://trailblazer.me/id/ksamy22">https://trailblazer.me/id/ksamy22</a>

## **Advantages & Dis advantages**

#### **Advantages:**

Time-saving: Automating administrative tasks can save significant time for teachers and administrators, allowing them to focus on more important tasks like teaching and student support.

Increased Efficiency: An application that streamlines processes such as attendance tracking and grading can increase overall efficiency and reduce errors.

Improved Communication: A school management application can improve communication between teachers, students, and parents by providing a central platform for messaging, announcements, and updates.

Enhanced Data Management: A digital system can help store and organize large amounts of data in an organized and secure manner, making it easy to retrieve and analyze data.

#### **Disadvantages:**

Cost: Developing and implementing a school management application can be expensive, especially for smaller schools with limited resources.

Technical difficulties: Schools with limited technical resources may face challenges in adopting and using the application effectively.

Training: Teachers and staff may require training to effectively use the application, which can be time-consuming and costly.

Privacy and Security Concerns: Digital systems may raise privacy and security concerns, especially when it comes to student data, and schools must ensure they comply with data privacy laws and regulations.

#### **APPLICATIONS**

Student Information Management: A feature that allows schools to easily manage student information, such as contact information, medical records, and academic history.

Timetable Management: A feature that allows schools to create and manage timetables for teachers and students, ensuring that classes run smoothly.

Resource Management: A feature that allows schools to manage their resources, such as textbooks, classrooms, and other materials.

Fees Management: A feature that allows parents to pay fees online, and schools to manage and track fees.

Library Management: A feature that allows schools to manage their library resources, including book checkout, inventory management, and reservations.

Transport Management: A feature that allows schools to manage their transportation systems, including bus routes, schedules, and driver information.

Student Performance Analysis: A feature that allows schools to analyze student performance and create reports that can help identify areas where students need additional support.

#### CONCLUTION

In conclusion, the creation of an application for school management is an important solution to the current challenges faced by schools with manual systems. The brainstormed ideas including a student attendance tracker and online gradebook are just some of the features that could be included in a comprehensive school management application. Prioritization of these ideas should be based on the specific needs of the school and its stakeholders, including teachers, parents, and administrators. Overall, implementing a school management application can improve efficiency, save time, and enhance communication between all parties involved in the education process.

#### **FUTURE SCOPE**

The future scope of a school management application includes continued innovation and improvement to enhance the user experience and meet the evolving needs of educational institutions. Some potential areas for future development and expansion include:

Integration with other educational technologies: As schools continue to adopt new technologies, a school management application could integrate with other educational tools such as learning management systems, student information systems, and online assessment tools to create a comprehensive platform that streamlines all aspects of school management.

Personalized learning: A school management application could use data and analytics to personalize learning for each student, providing tailored recommendations for educational resources and activities based on their strengths, weaknesses, and learning styles.