# Salesforce Administrator Guided Project Report

## On

# **CRM Application For Schools/Colleges**

## **Done By:**

## **Team 511:**

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#### INTRODUCTION

#### Overview

The CRM Application for Schools/Colleges in Salesforce is our software solution designed to streamline and enhance the customer relationship management processes within educational institutions. Built on the Salesforce platform, this application offers a range of features and functionalities tailored specifically to meet the unique needs of schools and colleges.

Key features of the CRM Application for Schools/Colleges include:

- Student Information Management: The application allows schools/colleges to maintain detailed records of students, including personal information, academic history, attendance, and disciplinary records. It enables easy tracking of student progress and supports personalized communication.
- Communication and Engagement: Schools/colleges can leverage the CRM
  application to improve communication with students, parents, and alumni. It
  offers tools for sending targeted emails, managing mailing lists, and tracking
  interactions. Integration with other communication channels like SMS and social
  media enables comprehensive engagement strategies.
- 3. **Schools Management:** Educational institutions may more easily and effectively manage their employees and resources, and they can readily make changes inside the application to easily update the data in accordance with their requirements.
- 4. **Reporting and Analytics:** The CRM application provides robust reporting and analytics capabilities, allowing schools/colleges to generate insights into student performance, admissions trends, engagement metrics, etc. Customizable dashboards and reports help in data-driven decision-making.
- 5. Integration and Scalability: As a Salesforce-based application, it offers seamless integration with other Salesforce products and third-party tools, enabling schools/colleges to leverage additional functionalities. It can scale as per the growing needs of educational institutions.

## **Purpose**

The purpose of this project is to create a CRM application for schools and colleges by creating a customized system for managing many areas of a school's operations using the Salesforce platform. It provides capabilities such as student information management, attendance monitoring, grade management, scheduling, and reporting, all of which are connected into the Salesforce CRM. Schools can utilize this technology to simplify administrative operations, improve communication between staff and students, and improve the overall learning experience for students.

### LITERATURE SURVEY

## **Existing problem**

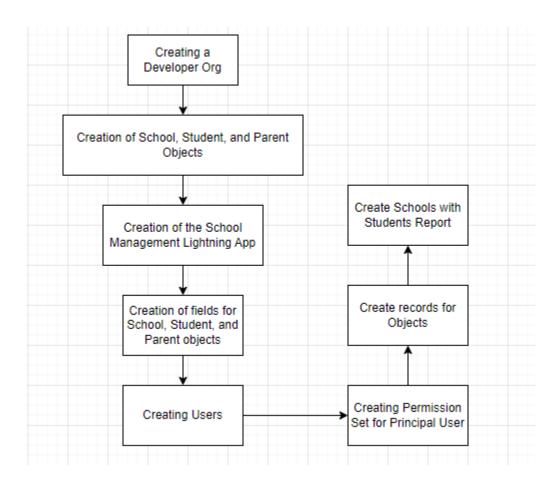
The current issue with school and college management is that everything is done on-premises. From the admissions process to recording student information, grades, staff information, classes, courses offered, finances, and so on, everything is handled on the premises, either through physical records or through local school servers. This is acceptable but difficult to manage effectively because data can be easily lost/corrupted and servers and databases require regular maintenance and can be quite expensive to fix if damaged. The servers are also vulnerable to damage in the event of an accident or natural disaster. Once lost on the premises, the data is difficult to recover. Another difficulty with the current system is that data may be readily created, edited, and deleted by anyone. This presents security concerns for the institution because only those with access permissions should be able to make changes to the data. In order to address this problem, we have provided the following solution for school/college management.

## **Proposed solution**

The proposed solution for the Salesforce CRM Application for Schools/Colleges is to migrate school and college management to Salesforce via a CRM application. With the help of this solution, we can design an application specifically for schools and colleges and use it to handle student records. Because the application is totally run on the Salesforce platform, there is no need to maintain physical servers and databases. The application's data is easy to manage. There is also no concern about data loss due to accidents or calamities. More features can be simply added, and the application can be easily modified to meet the demands of the organization. With the aid of platform features like users, roles, profiles, permission sets, groups, etc., security is also successfully managed. This guarantees that the application's data may only be accessed and modified by authorized users. The application offers features like managing student information, keeping track of attendance, managing grades, scheduling, and reporting, all of which are integrated with Salesforce CRM, making management of schools and colleges more effective and efficient.

## THEORETICAL ANALYSIS

## **Block diagram**



## Hardware / Software designing

Hardware and software requirements for the CRM Application for Schools/Colleges in Salesforce can vary depending on factors such as the scale of the institution, the number of users, and the complexity of the implementation. Here are the general hardware and software requirements:

### **Hardware Requirements:**

1. **Computers:** Sufficient desktop or laptop computers for administrators, educators, and staff members who will be using the CRM application.

- 2. **Networking Equipment:** Reliable network infrastructure, including routers, switches, and internet connectivity, to ensure smooth communication between users and the Salesforce cloud environment.
- 3. **Storage:** Adequate storage capacity to handle the CRM application's data requirements, including student information, communication logs, and analytics. Software Requirements:

## **Software Requirements:**

- Salesforce Licenses: The educational institution will need to acquire appropriate licenses for Salesforce, including Salesforce CRM licenses for administrators, educators, and staff members who will be using the CRM application.
- 2. **Operating System:** Computers should have a compatible operating system, such as Windows, macOS, or Linux, to access the Salesforce platform via web browsers or dedicated Salesforce applications.
- Web Browsers: Supported web browsers, such as Google Chrome, Mozilla
  Firefox, Microsoft Edge, or Safari, to access the Salesforce platform and use the
  CRM application's features.
- 4. **Mobile Devices:** Mobile devices (smartphones or tablets) may require compatible operating systems and Salesforce mobile applications for users who need access to the CRM application on-the-go.

#### **EXPERIMENTAL INVESTIGATIONS**

## Analysis or the investigation made while working on the solution:

During the analysis and investigation phase of developing a CRM application for schools/colleges in Salesforce, several key areas are typically explored to ensure the solution meets the institution's requirements. These include:

 Needs Assessment: Conducting a thorough needs assessment involves engaging with key stakeholders such as administrators, educators, students, parents, and alumni. This process helps to identify pain points, challenges, and desired outcomes for the CRM application. Gathering requirements from these stakeholders ensures that the solution aligns with their specific needs.

- Process Mapping: Analyzing existing workflows and processes within the
  educational institution is essential to understand how the CRM application can
  streamline operations. This involves mapping out the current processes,
  identifying bottlenecks or inefficiencies, and proposing improvements to be
  implemented within the CRM solution.
- 3. Data Analysis: Examining the institution's data requirements is crucial for designing an effective CRM application. Analyzing data structures, sources, and integration points helps determine how student information, admissions data, communication logs, and other relevant data will be captured, stored, and utilized within the CRM system.
- 4. **Integration Analysis:** Assessing integration needs involves identifying existing systems (such as SIS, LMS, finance systems) and determining how the CRM application will integrate with them. This analysis focuses on data synchronization, sharing, and ensuring a cohesive flow of information across systems.
- 5. **User Experience Analysis:** Understanding the user experience requirements involves considering the needs and preferences of various user groups interacting with the CRM application. This analysis may include evaluating usability, accessibility, and customization options to create a user-friendly and intuitive interface.

### **ADVANTAGES & DISADVANTAGES:**

Advantages of the CRM Application for Schools/Colleges in Salesforce:

- i) Centralized Data Management: The CRM application allows for centralized storage and management of student information, admissions data, communication logs, and other relevant data. This enables easy access, efficient data organization, and improved data accuracy.
- **ii) Streamlined Processes:** By automating administrative tasks and workflows, the CRM application simplifies and streamlines various processes such as student enrollment, admissions, event management, and communications. This leads to increased efficiency, reduced manual effort, and improved productivity.

- **iii) Enhanced Communication and Engagement:** The CRM application facilitates effective communication and engagement with students, parents, alumni, and other stakeholders.
- **iv) Data-Driven Decision Making:** The CRM application provides reporting and analytics capabilities, allowing educational institutions to generate valuable insights and make data-driven decisions. Administrators can track student performance, analyze admissions trends, measure engagement metrics, etc.

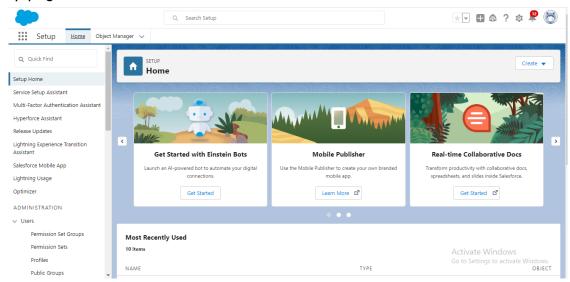
## Disadvantages of the CRM Application for Schools/Colleges in Salesforce:

- Implementation Complexity: Implementing the CRM application can be complex and time-consuming, requiring proper planning, configuration, and training.
   Educational institutions may need to invest in professional services or hire Salesforce experts for a successful implementation.
- Cost: The implementation and licensing costs associated with Salesforce CRM
  can be significant, especially for large-scale deployments. Educational
  institutions should carefully consider the financial implications and ensure that
  the benefits outweigh the investment.
- **User Adoption**: User adoption can be a challenge, particularly if the CRM application introduces significant changes to existing processes. Proper training, change management strategies, and ongoing support are crucial to encourage user acceptance and maximize the benefits of the CRM solution.
- Data Security and Privacy: Storing sensitive student and personal data within a CRM system requires robust security measures and compliance with relevant data protection regulations. Educational institutions must ensure that appropriate security protocols are in place to safeguard data and protect privacy.

## **RESULT:**

## Task1: Creation of developer org:

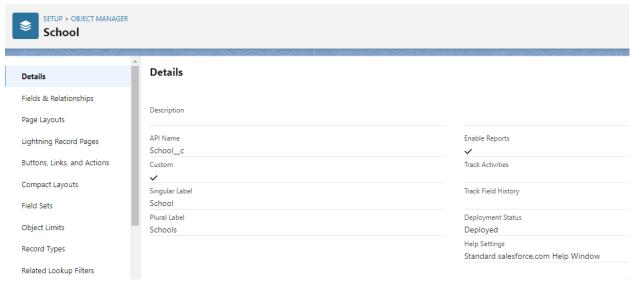
Here we have created a new standard developer org for this project from the salesforce signup page.



## Task2: Creation of Objects

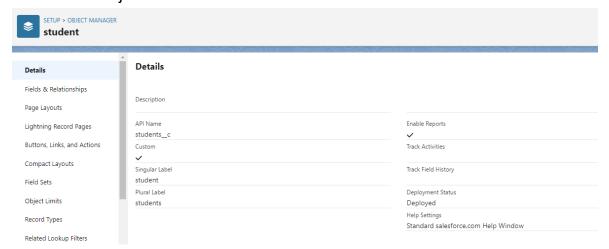
## School object

Here we have created the School Object from the Object Manager by clicking on create new custom object.



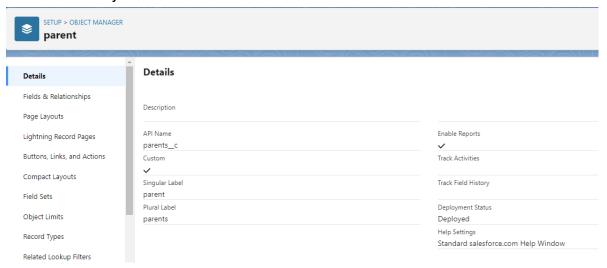
## Student object

Here we have created the Student Object from the Object Manager by clicking on create new custom object.



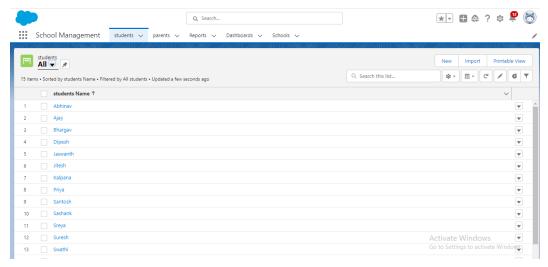
## • Parent Object:

Here we have created the Parent Object from the Object Manager by clicking on create new custom object.



## Task3: Create School Management App:

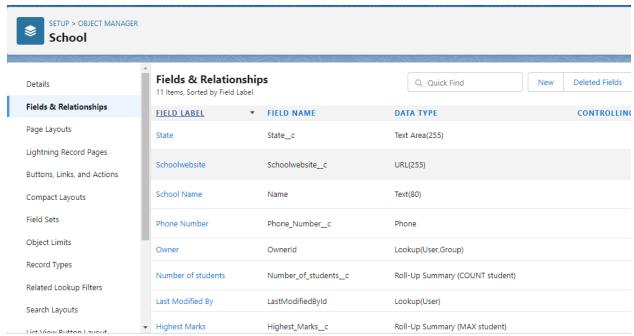
Here we have created the School Management Application through the New Lightning App option in the App Manager. We have given the available tabs as the Students, Schools, Parent, Reports and Dashboards, and given the access to the System Administrator user.



Task4: Fields and relationships

## School object

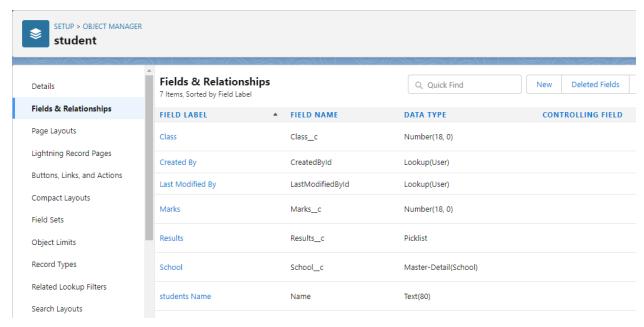
We have created the fields for the School object which is Address, District, State, and phone number. The Address, District and state are Text data type, while the Phone number is number data type.



## Student object

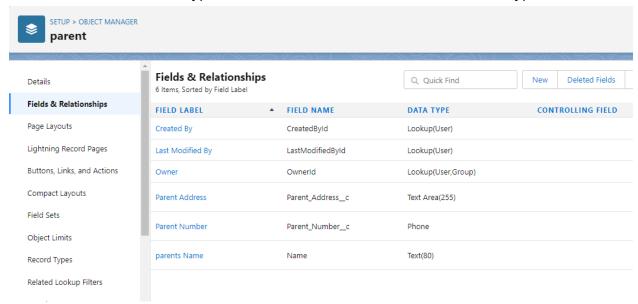
We have created the fields for the Student object which is

School,class,Marks,Result,Highest marks, Number of students, and phone number. The Class, Marks, and phone are Number data type, while the result is a picklist of pass/fail. The school field is a master-detail relationship with the school, whereas the number of students and Highest Marks are roll-up summary fields of count and max respectively.



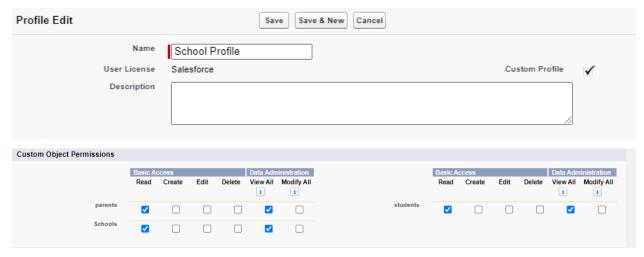
## Parent Object

We have created the fields for the Parent object which is Address, and phone number. The Address is Text data type, while the Phone number is number data type.



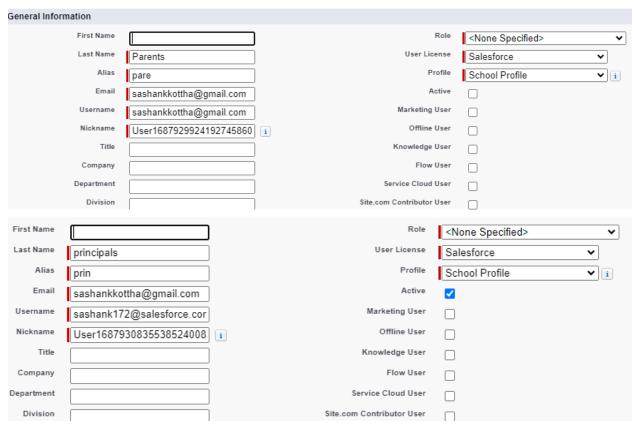
## **Task5: Creating Profile:**

We have created a new profile for the use of School by cloning the Standard user profile. We have given the name as the School profile and given read and view permissions to all the 3 custom objects created to the profile.



## **Task6: Creating Users:**

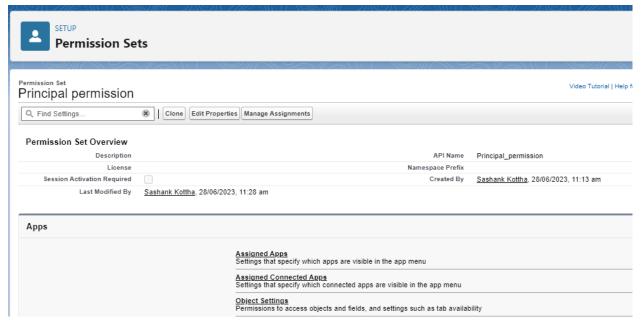
We have created 3 users namely Parents, Principal and Teachers through the new user option in users tab. We have given the profile as the School profile for all the 3 users we have created.





Task7: Creating Permission set

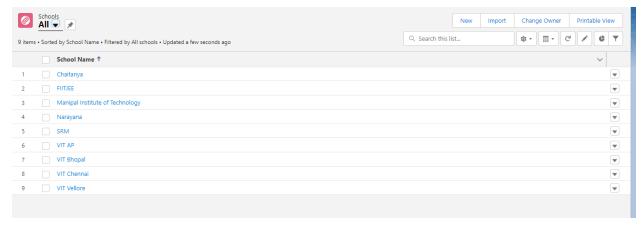
We have created a new permission set labeled Principal Permission through the permission sets tab. We have given all the access permissions to this permission set and assigned this permission set to the principal user.



## **Task8: Creating Records:**

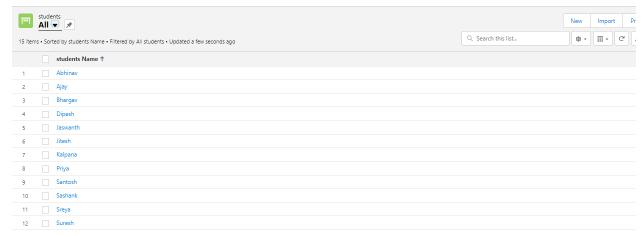
### School records

We have created new test records for the School object in the School Management Application. We have clicked on the new button in the school tab and filled in the details, and clicked save to save the record.



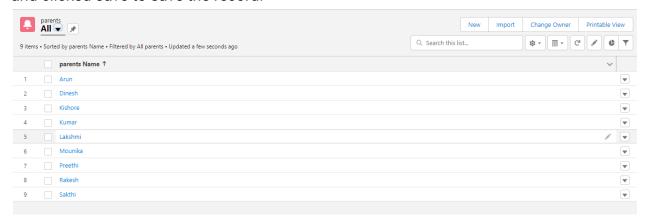
### Student records

We have created new test records for the Student object in the School Management Application. We have clicked on the new button in the student tab and filled in the details, and clicked save to save the record.



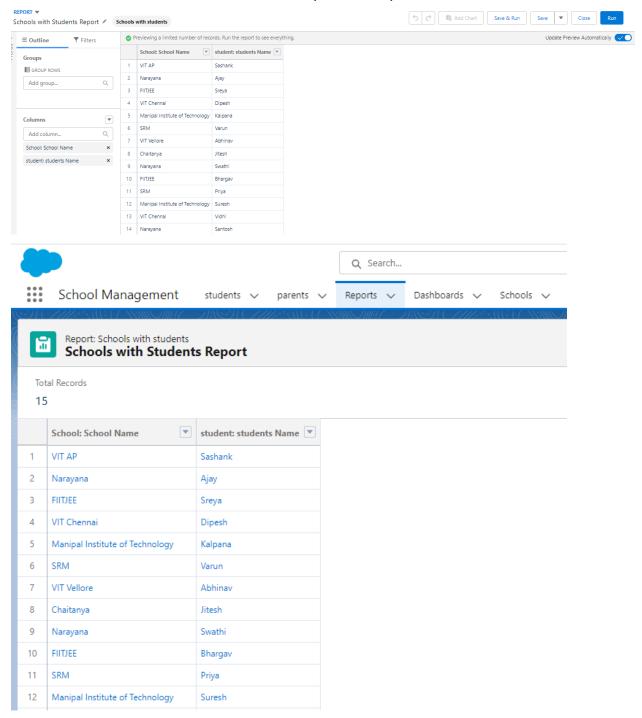
## Parents records

We have created new test records for the parent object in the School Management Application. We have clicked on the new button in the parent tab and filled in the details, and clicked save to save the record.



## Task9: Creating Schools with students report

We have created a new report Called as Schools with students. We have selected the report type as Schools with students for the creation of this report, and have selected all Time and All Schools as the filters. We have given the columns for the report as school name and students name, and saved the report in the private folders.



#### **APPLICATIONS**

Within educational institutions, customer relationship management procedures are streamlined and improved with the help of this Salesforce CRM Application for Schools/Colleges. Because it is based on the Salesforce platform, this application offers a variety of features and functionalities that are especially suited to fulfill the special requirements of schools and colleges, such as Student Information Management, Communication and Engagement, School Management, Report Analytics, etc. This programme can be used by any schools and colleges that want to switch from an on-premises setup to a cloud-based CRM platform for improved management and more effective education delivery.

#### CONCLUSION

In conclusion, we have created a salesforce application for the Schools and colleges and created the custom objects, fields and relationships. We have created a school profile and used it for our users. We have also created a permission set for the principal user granting all object permissions to the 3 custom objects. Finally we have created sample records for all the objects in the application and created a report that shows each student and their respective school details. We have built this Salesforce CRM application for the schools and colleges to streamline their administrative processes, improve communication between staff and students, and enhance the overall learning experience for students.

#### **FUTURE SCOPE**

Since this CRM application was created in the cloud using the Salesforce platform, it has a wide range of potential uses and can be customized for the various academic institutions that have adopted it. With more users and permissions, more objects can be added, aiding in the organization's growth. As the number of users increases and security is needed, the organization-wide settings can be changed to suit its needs, and new permission sets can be formed. To organize faculty and students for the various courses, numerous groups can be formed. Because this application is still in its early stages, the future scope of the application will be determined by the organizations that will utilize it.

# **THANK YOU**