

Project Report Template

CRM-APPLICATION FOR SCHOOL/COLLEGES

1 INTRODUCTION

1.1 Overview

Customer relationship management (CRM) is the combination of practices, strategies

And technologies that companies use to manage and analyze customer interactions and data

Data throughout the customer lifecycle. The goal is to improve customer service relationships

And assist in customer retention and drive sales growth.

1.2 PURPOSE

Customer relationship management (CRM) is a technology for managing all your

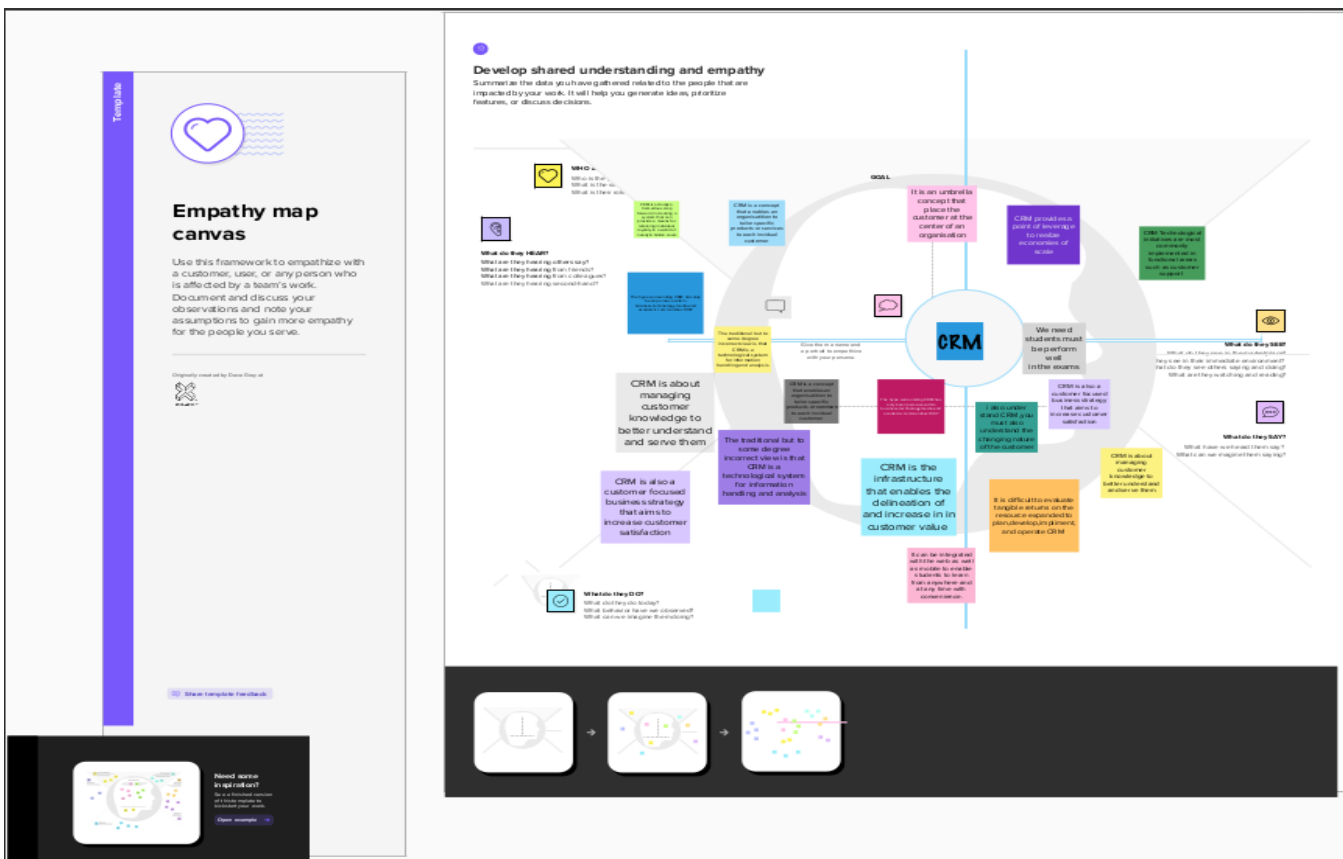
Company's relationships and interactions with customers and potential customers.

The goal is simple improve business relationships. A CRM system helps companies stay

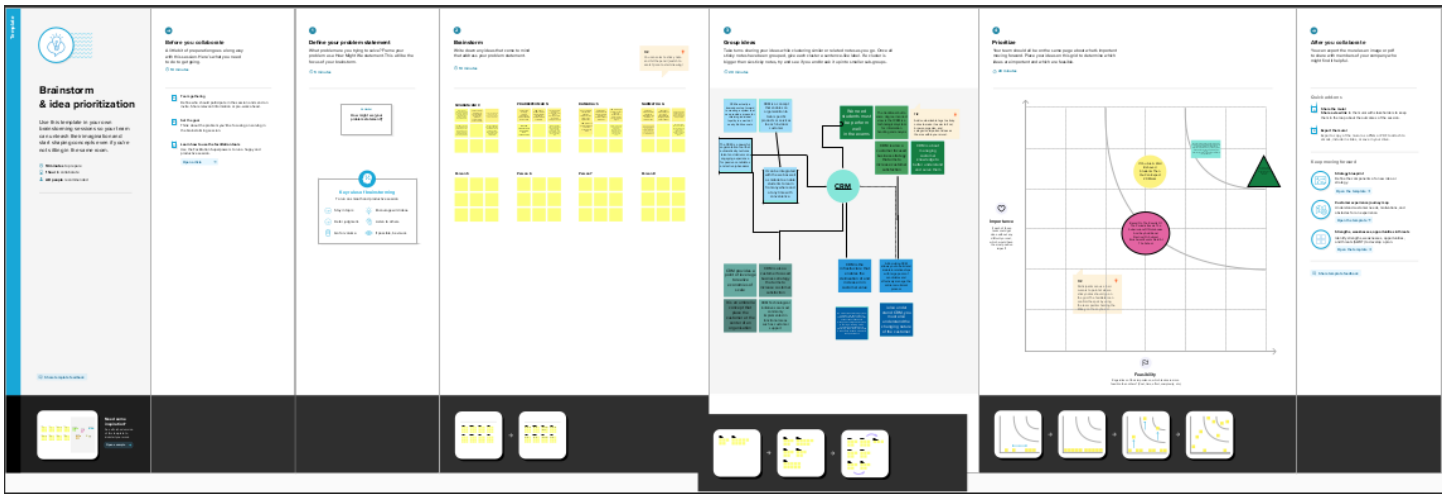
Connected to customers, streamline, processes, and improve profitability.

2 Problem Definition & Design Thinking

2.1 Empathy Map



2.2. Ideation & Brainstorming Map



3 RESULT

3.1 Data Model

| Object name | Fields in the Object | |
|-------------|----------------------|-----------------|
| School | Field Label | Data Type |
| | Address | Text Area |
| | District | Text Area |
| | State | Text Area |
| | school | Text Area |
| | Phone Number | Phone |
| | Number of Students | Roll-up summery |
| | Highest Marks | Roll-up summery |

| Object name | Fields in the Object | |
|-------------|----------------------|----------------------------|
| Student | | |
| | Field Label | Data Type |
| | Phone number | Phone |
| | School | Master-Detail Relationship |
| | Results | Picklist |
| | Class | Number |
| | Marks | Number |
| Parent | | |
| | Field Label | Data Type |
| | Parent Address | Text Area |
| | Parent Number | Phone |

3.2 Activity & Screenshot

(Milestone-2: OBJECT)

Activity-1: Creation of School Object

Creation of Object for School Management

The screenshot shows the Salesforce Object Manager interface. The browser address bar displays the URL: <https://governmentartscollegedhar36-dev-ed.develop.lightning.force.com/lightning/setup/Obj>. The page header includes a search bar with the text "Search Setup" and a "Schema Builder" button. The main content area shows a table with one object, "School".

| LABEL | API NAME | TYPE | DESCRIPTION | LAST MODIFIED | DEPLOYED |
|--------|-----------|---------------|-------------|---------------|----------|
| School | School__c | Custom Object | | 08/04/2023 | ✓ |

(Milestone-2: OBJECT)

Activity-2: Create Student Object

Creation of Student Object

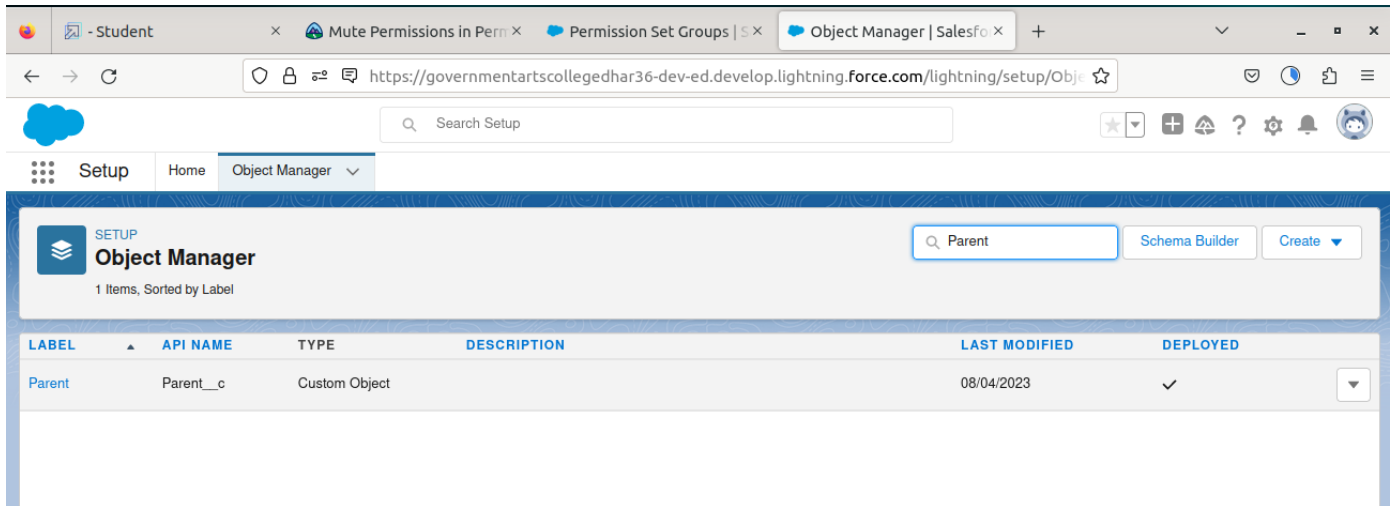
The screenshot shows the Salesforce Object Manager interface. The browser address bar displays the URL: <https://governmentartscollegedhar36-dev-ed.develop.lightning.force.com/lightning/setup/Obj>. The page header includes a search bar with the text "Search Setup" and a "Schema Builder" button. The main content area shows a table with one object, "Students".

| LABEL | API NAME | TYPE | DESCRIPTION | LAST MODIFIED | DEPLOYED |
|----------|-------------|---------------|-------------|---------------|----------|
| Students | Students__c | Custom Object | | 08/04/2023 | ✓ |

(Milestone-2: OBJECT)

Activity-2 : Create Parent Object

Creation of Parent Object



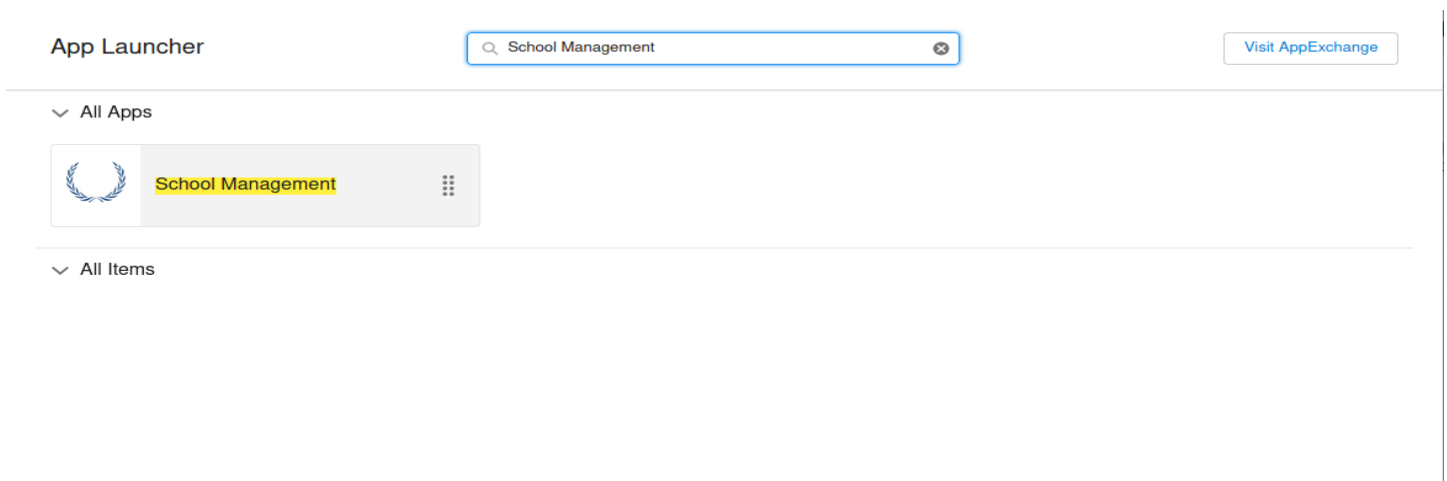
The screenshot shows the Salesforce Object Manager interface. The browser address bar displays the URL: <https://governmentartscollegedhar36-dev-ed.develop.lightning.force.com/lightning/setup/ObjManager>. The page header includes a search bar with the text "Search Setup" and a "Parent" search filter. The main content area shows a table with one item, "Parent", which is a Custom Object. The table has columns for LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED.

| LABEL | API NAME | TYPE | DESCRIPTION | LAST MODIFIED | DEPLOYED |
|--------|-----------|---------------|-------------|---------------|----------|
| Parent | Parent__c | Custom Object | | 08/04/2023 | ✓ |

(Milestone-3: LIGHTNING APP)

Activity-1 : Create the School Management App

Creation School Management App



The screenshot shows the Salesforce App Launcher interface. The search bar contains the text "School Management". The "All Apps" section is expanded, showing the "School Management" app. The app icon is a laurel wreath, and the name "School Management" is displayed in yellow text. The "All Items" section is also visible below.

(Milestone-4: FIELDS & RELATIONSHIP)

Activity-1 : Creation of fields for the School Objects

Creation of fields for the School Object

Browser tabs: - Student, Mute Permissions in Perm..., Permission Set Groups | S..., School | Salesforce

Address bar: <https://governmentartscollegedhar36-dev-ed.develop.lightning.force.com/lightning/setup/Objc>

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
School

Details

Fields & Relationships 11 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|--------------------|-----------------------|----------------------------------|-------------------|---------|
| Address | Address__c | Text Area(255) | | |
| Created By | CreatedById | Lookup(User) | | |
| District | District__c | Text Area(255) | | |
| Highest Marks | Highest_Marks__c | Roll-Up Summary (MAX Students) | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Number of Students | Number_of_Students__c | Roll-Up Summary (COUNT Students) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |
| Phone Number | Phone_Number__c | Phone | | |

Record Types

| | | | |
|-----------------|--------------------|----------------|---|
| School Name | Name | Text(80) | ✓ |
| School Websites | School_Websites__c | Text Area(255) | |
| State | State__c | Text Area(255) | |

(Milestone-4: FIELDS & RELATIONSHIP)

Activity-2 : Creation of fields for the Student Objects

Creation of fields for the Student Object

The screenshot shows the Salesforce Setup interface for the 'Student' object. The left sidebar contains a navigation menu 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, and List View Button Layout. The main content area is titled 'Fields & Relationships' and shows a table of 8 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Class, Created By, Last Modified By, Marks, Phone Number, Results, School, and Students Name.

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|-----------------------|-------------------|---------|
| 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) | | ✓ |
| Students Name | Name | Text(80) | | ✓ |

(Milestone-4: FIELDS & RELATIONSHIP)

Activity-3: Creation of fields for the Parent Objects

Creation of fields for the Parents Object

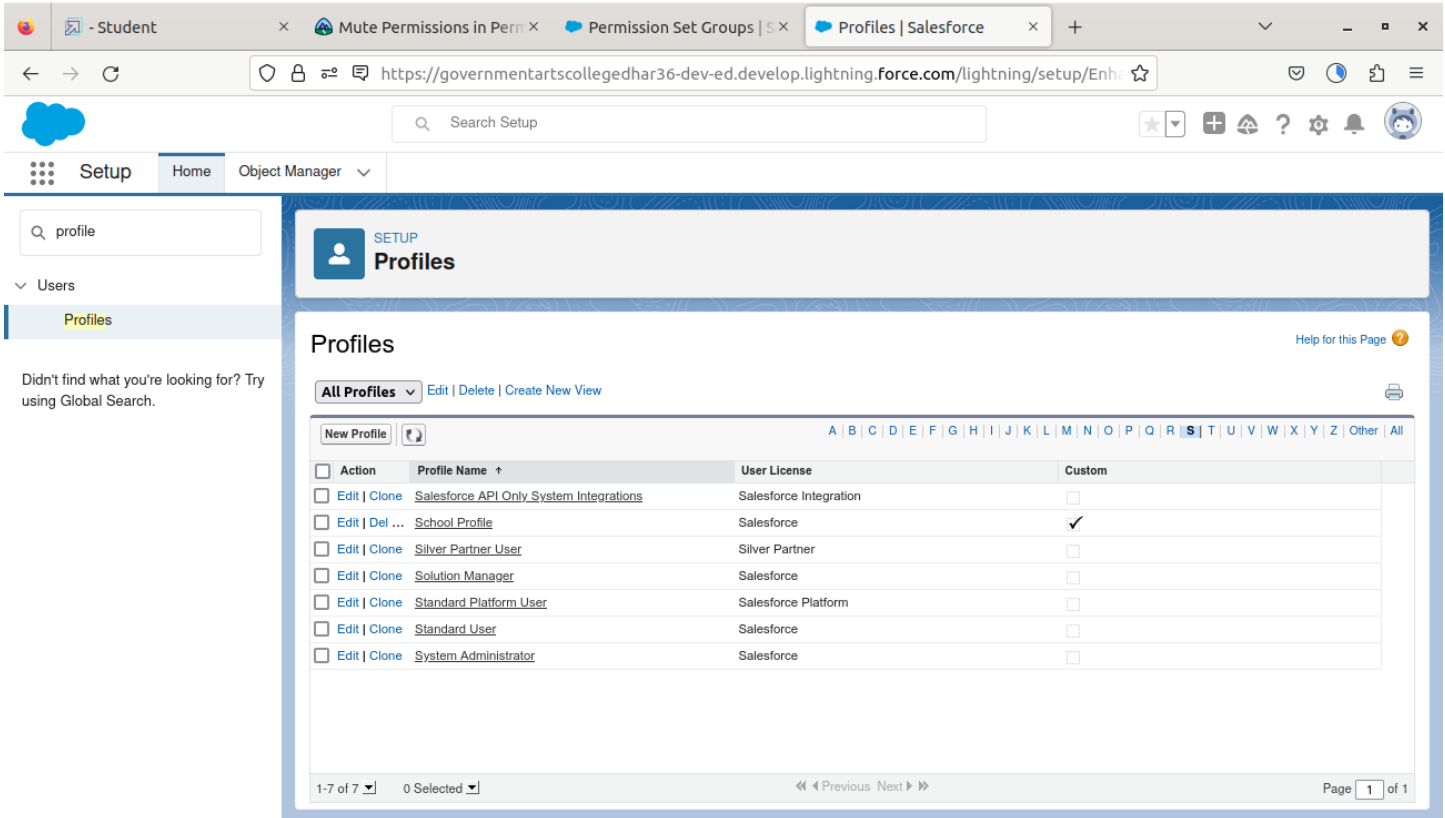
The screenshot shows the Salesforce Setup interface for the 'Parent' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and List View Button Layout. The main content area is titled 'Fields & Relationships' and shows a table of 6 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Created By, Last Modified By, Owner, Parent Address, Parent Name, and Parent Number.

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|-------------------|--------------------|-------------------|---------|
| 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 | Number(18, 0) | | |

(Milestone-5: PROFILE)

Activity-1 : Creation on Profile

Creation on Profiles



The screenshot shows the Salesforce Setup interface for Profiles. The browser address bar indicates the URL: <https://governmentartscollegedhar36-dev-ed.develop.lightning.force.com/lightning/setup/Enhance>. The left sidebar shows the navigation menu with 'Setup' selected, and 'Profiles' highlighted under the 'Users' section. The main content area is titled 'Profiles' and includes a search bar with 'profile' entered. Below the search bar, there is a message: 'Didn't find what you're looking for? Try using Global Search.' The main table lists existing profiles with columns for Action, Profile Name, User License, and Custom. The table contains 7 rows of data. At the bottom, there is a pagination bar showing '1-7 of 7' and '0 Selected'.

Profiles

[All Profiles](#) [Edit](#) [Delete](#) [Create New View](#)

[New Profile](#)

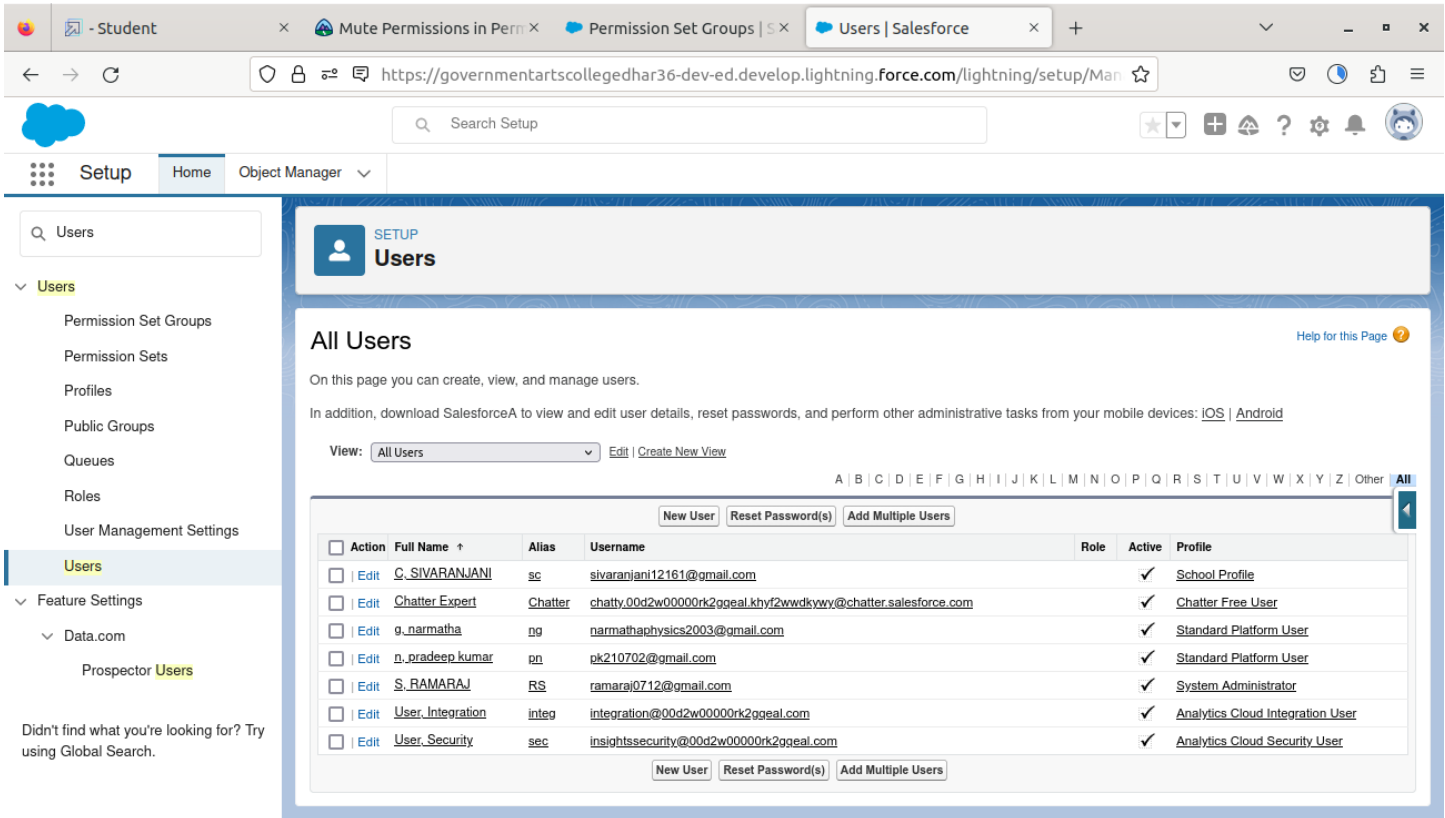
| Action | Profile Name | User License | Custom |
|--|---|------------------------|-------------------------------------|
| Edit Clone | Salesforce API Only System Integrations | Salesforce Integration | <input type="checkbox"/> |
| Edit Del ... | School Profile | Salesforce | <input checked="" type="checkbox"/> |
| Edit Clone | Silver Partner User | Silver Partner | <input type="checkbox"/> |
| Edit Clone | Solution Manager | Salesforce | <input type="checkbox"/> |
| Edit Clone | Standard Platform User | Salesforce Platform | <input type="checkbox"/> |
| Edit Clone | Standard User | Salesforce | <input type="checkbox"/> |
| Edit Clone | System Administrator | Salesforce | <input type="checkbox"/> |

1-7 of 7 0 Selected Page 1 of 1

(Milestone-6: USERS)

Activity-1 : Creating a Users

Creating a Users



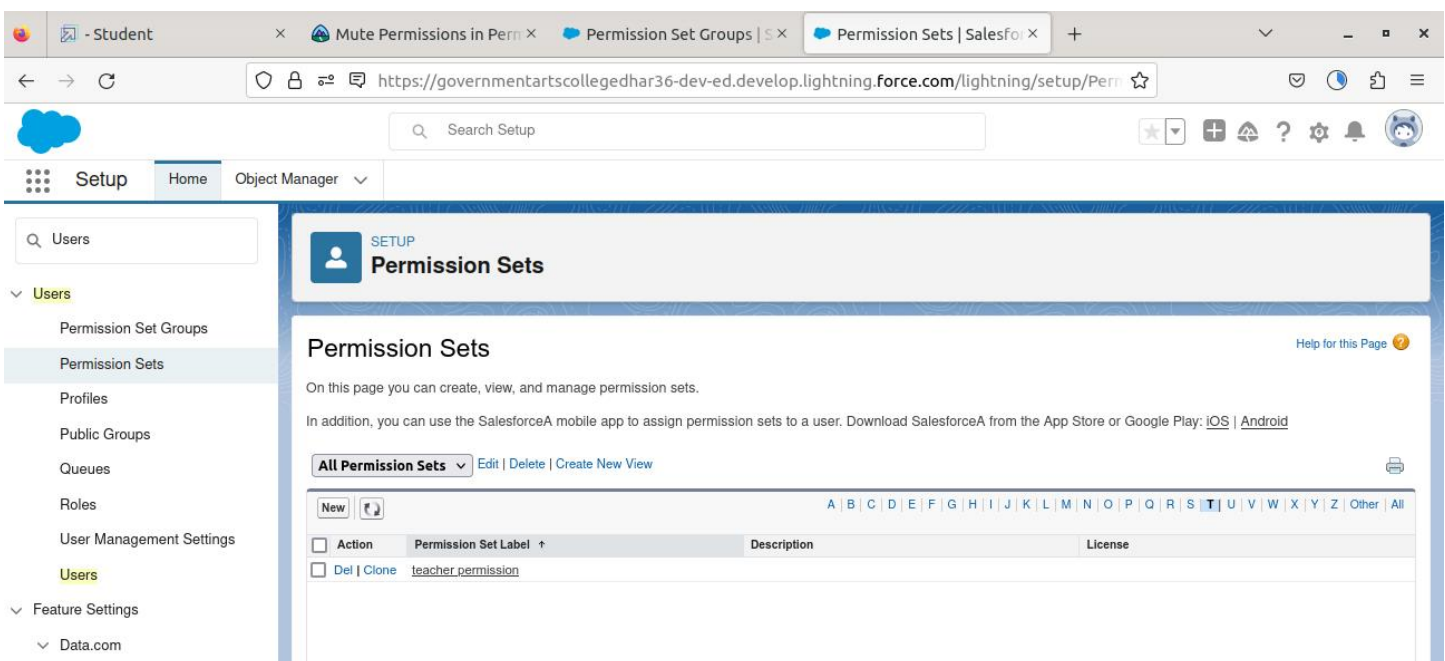
The screenshot shows the Salesforce Setup page for Users. The left sidebar contains a navigation menu with options like Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, and User Management Settings. The main content area is titled "All Users" and includes a search bar, a view selector (set to "All Users"), and a table of users. The table has columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table lists several users, including C. SIVARANJANI, Chatter Expert, g. narmatha, n. pradeep kumar, S. RAMARAJ, User_Integration, and User_Security. Each user has an "Edit" link and a checkbox for selection. Below the table are buttons for "New User", "Reset Password(s)", and "Add Multiple Users".

| Action | Full Name | Alias | Username | Role | Active | Profile |
|-------------------------------|------------------|---------|--|------|-------------------------------------|----------------------------------|
| <input type="checkbox"/> Edit | C. SIVARANJANI | sc | sivaranjani12161@gmail.com | | <input checked="" type="checkbox"/> | School Profile |
| <input type="checkbox"/> Edit | Chatter Expert | Chatter | chatty.00d2w0000rk2gpeal.khyf2wwdskwv@chatter.salesforce.com | | <input checked="" type="checkbox"/> | Chatter Free User |
| <input type="checkbox"/> Edit | g. narmatha | ng | narmathaphysics2003@gmail.com | | <input checked="" type="checkbox"/> | Standard Platform User |
| <input type="checkbox"/> Edit | n. pradeep kumar | pn | pk210702@gmail.com | | <input checked="" type="checkbox"/> | Standard Platform User |
| <input type="checkbox"/> Edit | S. RAMARAJ | RS | ramaraj0712@gmail.com | | <input checked="" type="checkbox"/> | System Administrator |
| <input type="checkbox"/> Edit | User_Integration | integ | integration@00d2w0000rk2gpeal.com | | <input checked="" type="checkbox"/> | Analytics Cloud Integration User |
| <input type="checkbox"/> Edit | User_Security | sec | insightssecurity@00d2w0000rk2gpeal.com | | <input checked="" type="checkbox"/> | Analytics Cloud Security User |

(Milestone-7: PERMISSION SETS)

Activity-1 : Permission sets 1:

To Set Permissions



The screenshot shows the Salesforce Setup page for Permission Sets. The left sidebar contains a navigation menu with options like Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, and User Management Settings. The main content area is titled "Permission Sets" and includes a search bar, a view selector (set to "All Permission Sets"), and a table of permission sets. The table has columns for Action, Permission Set Label, Description, and License. The table lists one permission set, "teacher.permission". Below the table are buttons for "New", "Clone", and "Delete".

| Action | Permission Set Label | Description | License |
|--------------------------------------|----------------------|-------------|---------|
| <input type="checkbox"/> Del Clone | teacher.permission | | |

(Milestone-7: PERMISSION SETS)

Activity-2 : Permission sets 2:

To Set Permissions

The screenshot shows the Salesforce Setup interface. The left sidebar contains a search bar and a navigation menu with categories: Users, Feature Settings, and Data.com. Under the 'Users' category, the following items are listed: Permission Set Groups, Permission Sets (highlighted), Profiles, Public Groups, Queues, Roles, and User Management Settings. The main content area is titled 'Permission Sets' and includes a search bar, a 'Help for this Page' link, and a description of the page's functionality. Below the description, there is a 'All Permission Sets' filter and a table of permission sets. The table has columns for Action, Permission Set Label, Description, and License. The first row shows a 'Principal permission' with a 'Del' button and a 'Clone' button.

| Action | Permission Set Label | Description | License |
|---|----------------------|-------------|---------|
| Del Clone | Principal permission | | |

(Milestone-8: REPORTS)

Activity-1 : Reports

Reports

The screenshot shows the Salesforce Reports interface. The left sidebar contains a search bar and a navigation menu with categories: Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports (highlighted), Chatter, and More. The main content area is titled 'Reports' and includes a search bar, a 'New Report' button, and a 'New Folder' button. Below the buttons, there is a table of reports. The table has columns for REPORTS, R..., Description, Folder, Created By, C, and Subscribed. The first row shows a 'Recent' report titled 'SUDEN TS' with a 'Private Reports' folder, created by 'RAMARAJ S' on 9/4/2023 at 9:25 pm. The second row shows a 'Public Reports' report titled 'New Schools Report' with a 'RAM' folder, created by 'RAMARAJ S' on 8/4/2023 at 5:53 pm. The third row shows a 'FOLDERS' report titled 'PAREN TS' with a 'Private Reports' folder, created by 'RAMARAJ S' on 9/4/2023 at 9:23 pm. The fourth row shows a 'Shared with Me' report titled 'New Accounts Report' with a 'Private Reports' folder, created by 'RAMARAJ S' on 17/3/2023 at 9:40 pm.

| REPORTS | R... | Description | Folder | Created By | C | Subscribed |
|----------------|---------------------|-------------|-----------------|------------|--------------------|------------|
| Recent | SUDEN TS | | Private Reports | RAMARAJ S | 9/4/2023, 9:25 pm | ✓ |
| Public Reports | New Schools Report | | RAM | RAMARAJ S | 8/4/2023, 5:53 pm | ✓ |
| FOLDERS | PAREN TS | | Private Reports | RAMARAJ S | 9/4/2023, 9:23 pm | ✓ |
| Shared with Me | New Accounts Report | | Private Reports | RAMARAJ S | 17/3/2023, 9:40 pm | ✓ |

Transferring data from governmentartscollegedhar36-dev-ed.develop.lightning.force.com...

4 Trailhead Profile Public URL

| | |
|----------------------|---|
| Team Lead | - https://trailblazer.me/id/ckalpana2 |
| Team Member 1 | - https://trailblazer.me/id/jeevi147 |
| Team Member 2 | - https://trailblazer.me/id/nadhu800 |
| Team Member 3 | - https://trailblazer.me/id/preetha321 |

5 ADVANTAGES & DISADVANTAGE

Advantages

Facilitates discovery of new customers

CRM systems are useful in identifying potential customers. They keep track of the profiles of the existing clientele and can use them to determine the people to target for maximum clientage returns. New customers are an indication of future growth. However, a growing business utilizing CRM software should encounter a higher number of existing customers versus new prospects each week. Growth is only essential if the existing customers are maintained appropriately even with recruitment of new prospects.

Increases customer revenues

CRM data ensures effective co-ordination of marketing campaigns. It is possible to filter the data and ensure the promotions do not target those who have already purchased particular products. Businesses can also use the data to introduce loyalty programs that facilitate a higher customer retention ratio. No business enjoys selling a similar product to a customer who has just bought it recently. A CRM system coordinates customer data and ensures such conflicts do not arise.

Helps the sales team in closing deals faster

A CRM system helps in closing faster deals by facilitating quicker and more efficient responses to customer leads and information. Customers get more convinced to turn their inquiries into purchases once they are responded to promptly. Organizations that have successfully implemented a CRM system have observed a drastic decrease in turnaround time.

Enhances effective cross and up selling of products

Cross – selling involves offering complimentary products to customers based on their previous purchases. On the other hand, up – selling involves offering premium products to customers in the same category. With a CRM system, both cross and up – selling can be made possible within a few minutes of cross – checking available data.

Apart from facilitating quicker offers to customers, the two forms of selling helps staff in gaining a better understanding of their customer's needs. With time, they can always anticipate related purchases from their customer.

Simplifies the sales and marketing processes

A CRM system facilitates development of better and effective communication channels. Technological integrations like websites and interactive voice response systems can make work easier for the sales representatives as well as the organization. Consequently, businesses with a CRM have a chance to provide their customers with various ways of communication. Such strategies ensure appropriate delivery of communication and quick response to inquiries and feedback from customers.

Makes call centers more efficient

Targeting clients with CRM software is much easier since employees have access to order histories and customer details. The software helps the organization's workforce to know how to deal with each customer depending upon their recorded archives. Information from the software can be instantly accessed from any point within the organization.

CRM also increases the time the sales personnel spend with their existing customers each day. This benefit can be measured by determining the number of service calls made each day by the sales personnel. Alternatively, it could also be measured through the face – to – face contact made by the sales personnel with their existing customers.

Enhances customer loyalty

CRM software is useful in measuring customer loyalty in a less costly manner. In most cases, loyal customers become professional recommendations of the business and the services offered. Consequently, the business can promote their services to new prospects based on testimonials from loyal customers. Testimonials are often convincing more than presenting theoretical frameworks to your future prospects. With CRM, it could be difficult pulling out your loyal customers and making them feel appreciated for their esteemed support.

Disadvantages

1. A costly project

CRM software tool is an expensive investment that some businesses can only afford, and if they do invest, it doesn't guarantee the return on investment is worth it. It is a huge investment that factors like data mitigation, integration cost, training, and support also affect.

Even for a locally hosted customer relationship management system, the company is associated with overhead costs because they require to pay professionals like software developers, system administrators, and maintenance personnel. These people ensure that the software works properly and maintain the data backups, too that also an expense with running a customized CRM.

2. Loss of collected information or records

CRM (customer relationship management) tools can be responsible for losing the customer's information as some CRM software keeps track of customers' information using remote internet connections. Due to this, sometimes organization needs to have control over the customer's information (detailed), especially when a system failure event happens. An unstable CRM can result in the loss of money in revenue for the company in the future.

3. Not suitable for every business

Every business can't afford CRM for data collection and connecting with customers. Some businesses can't connect to the customers directly therefore, they don't need a CRM tool. Forming CRM to make it function properly company or business has to spend a lot of money, including various phases.

4. It eliminates the human element.

CRM is a fully automated tool that has prevented human intervention. It automatically collects all the data and processes it. CRM efficiently manages the relationship between the company and customers as it directly interacts between people and its staff. Customers can shift anywhere due to the loss of human touch, reducing sales and revenue.

5. Can be accessed by the third party

As we know, CRM collects customers' sensitive information and stores it, which other parties can misuse. For example, web hosting companies take and sell collected data to a third party that misuses the data and causes loss to people.

6. CRM is not fully customized

A business can only customize a CRM system and make CRM fit their specific needs and requirements. It can create problems for CRM users; they get frustrated and need help to make the system work according to their requirements.

6 APPLICATIONS

Applications of a CRM – Examples and Strategies

- * Application 1: Tracking Customers
- * Application 2: Collecting Data for Marketing
- * Application 3: Improving Interactions and Communications
- * Application 4: Streamlining Internal Sales Processes
- * Application 5: Planning Your Operations.

7 CONCLUSION

Customer Relationship management is a business strategy that enables a business organization to maximize revenue, customer satisfaction, profitability through strategic mobilization, organization, and management of customer's interests and desires. BMW has traversed numerous business challenges that made it establish a CRM that will foster customer relationship as a baseline for market strengthening and diversification. BMW has diversified its market in various global markets through the initiation of the CRM systems. The system has significantly contributed to the company's financial, operational, managerial and development initiatives with a robust customer relationship that has fostered great sale of its product. Mercedes Benz operates a similar customer relationship management system just BMW and due to market power, the company has greatly diversified its customer roots to various market bases. Mercedes has majored in a customer-dealership business relationship.

This has provided the company with strategic mechanization of customer retention, satisfaction and purchase behavior enhancing the company's profitability through an increased purchase command. The two companies are among the leading CRM implementers in the automotive

8 FUTURE SCOPE

The future has arrived — at least it has in the world of customer relationship management or CRM software, one of the fastest growing categories of enterprise software. We are entering the era of intelligent, integrated CRM, and the future of CRM is even brighter. From small businesses to global enterprises, sales and marketing teams are adopting CRM to deliver better customer experiences, acquire and retain customers, and gain new customer-centric insights that are changing their companies for the better.

