







GOVERNMENT OF TAMILNADU

Naan Muthalvan -Project-Based Experiential Learning

JOB APPLICATION TRACKING SYSTEM

Submitted by

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M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

B(Affiliated To Mother Teresa Womens University, Kodaikanal)
Reaccredited with "A" Grade by NAAC

DINDIGUL-624001.

APRIL-2023

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PG & RESEARCH DEPARTMENT OF MATHEMATICS

BONAFIDE CERTIFICATE

This is to certify that this is a bonafide record of the project entitled, "JOB APPLICATION TRACKING SYSTEM" done by Ms. P.ABINAYA (20321ER001), Ms. S.ASMA PARVEEN (20321ER002), Ms. P.BHARATHI (20321ER003), Ms. M.CHANDRA (20321ER004). This is submitted in partial fulfillment for the award of the degree of Bachelor of Science in Mathematics in M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN, DINDIGUL during the period of December 2022 to April 2023.

Smi Onj;

Project Mentor(s)

Head of the Department

Submitted for viva-voce Examination held on 12.04.2023

PROPERTY MANAGEMENT APPLICATION USING SALESFORCE

1 INTRODUCTION

1.1Overview

Develop an App for the Property Management where Buyer can order his Requirements and get the Appropriate Details of the Property. According to his interest just provide him with some discounts what extent he can get the discount. Also Track Whether he is Interested in taking the loan available for so just calculate how much loan Amount user can get it. Provide the Security for two different profiles like for marketing and sales team. Then Finally Create the reports and dashboards so there will be clear view just get the reports on the count of loan passed getting the property purchased close the deal.

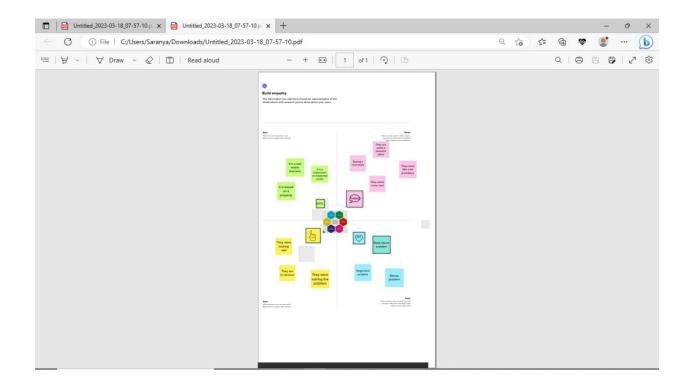
1.2Purpose

- Salesforce property management enables the realty managers to keep track of crucial data about financial and household properties incorporating associated cash flow, primary tenants, and occupancy rates.
- ➤ Property managers assist owners in creating budgets, advertise rental properties, qualify tenants, and collect rent.
- ➤ Property Management helps marketing, sales, commerce, service and IT team work as one from anywhere.
- Track emails, calls, and set tasks to connect with the right buyers, sellers, and renters at the right time.

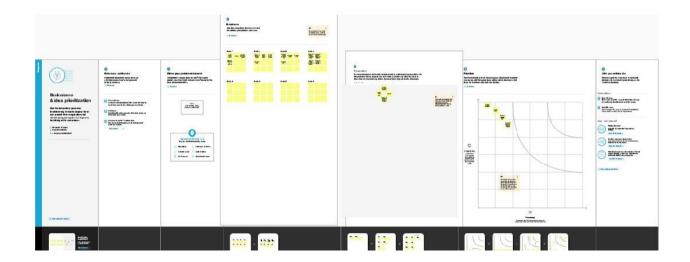
2 PROBLEM DEFINITION AND DESIGN THINKING

2.1Empathy map

An empathy map is a collaborative tool terms can use to gain a deeper insight into their customers. An empathy map can represent a group of users, such as a customer segment.



2.2 Ideation and Brainstorming map



3 RESULT

3.1Data Model

Object name	Fields in the Object						
					_		
Buy	Field label		Data type				
	Property type	,	Picklist				
	Discount		Percentage				
	State		Picklist				
	City		Picklist				
	Annual amount to be paid		Picklist				
		•					
Rent	Field label	Data type					
	Rent	Auto n	Auto number				
	Rental City	Text					
	BHK type	Picklist					
Loan	Field label Data type						
	Loan Id	Auto number					
	Interest rate	Curre	Currency				
	Term	Numl	Number				
	Annual Loan Number						
	Total loan	Numl	ber				

	Instalments		
	Loan Repayment	Currency	
	Loan amount	Formula	
	Field label	Data type	
	Lead	Auto Number	
Student	State	Picklist	
	City	Picklist	
	Email	Email	
	Phone	Phone	

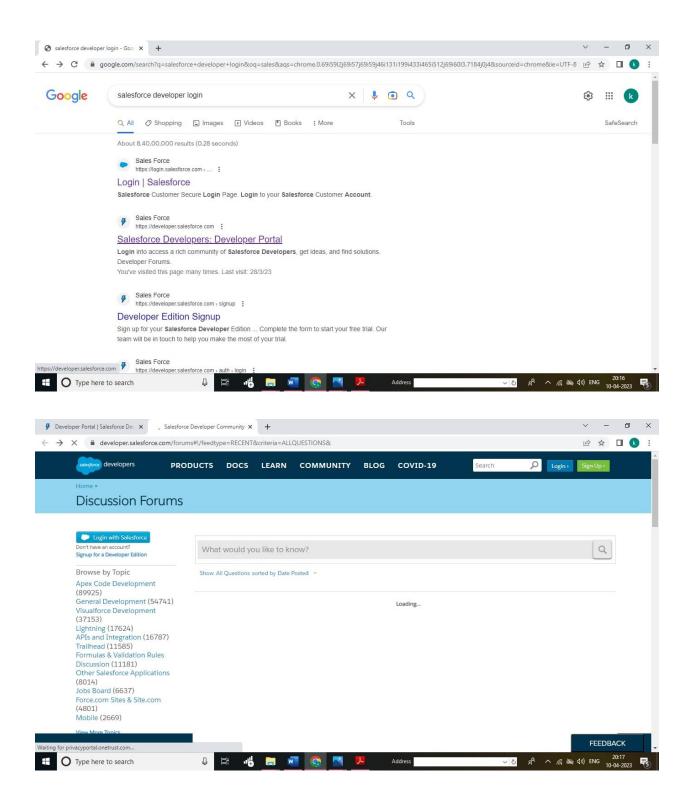
3.2Activity and Screenshot

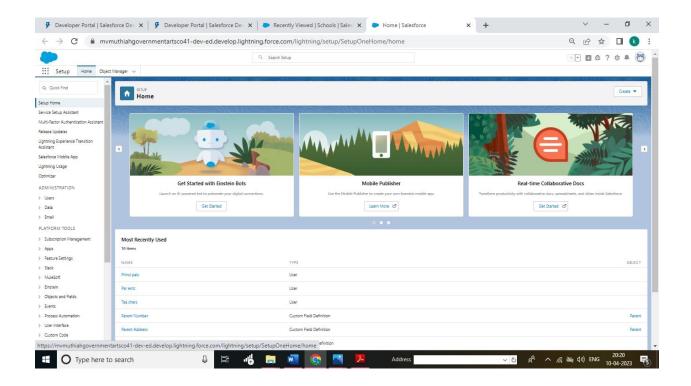
Salesforce:

Creating Developer Account

Creating a developer org in salesforce.

- 1. Go to developers.salesforce.com/
- 2. Click on sign up.
- 3. On the sign up form, enter the following details:
 - a. First name & Last name
 - b. Email
 - c. Role: Developer
 - d. Company: College Name
 - e. County: India
 - f. Postal Code: pin code
- g. Username: should be a combination of your name and company. This need not be an actual email id, you can give anything in the format: username@organization.com Click on sign up after filling these.





Objects:

To Navigate to Setup page:

1.Click on gear icon \rightarrow click setup.

To create an object:

- 2. From the setup page → Click on Object Manager → Click on Create
- → Click on Custom object.

On Custom object defining page:

3. Enter the label name, plural label name, click on Allow reports, Allow search \rightarrow Save

Create Object Buy

- 1. To create an object:
- 2. From the setup page \rightarrow Click on Object Manager \rightarrow Click on Create \rightarrow Click on Custom Object.
 - 3. Enter the label name→ Buy

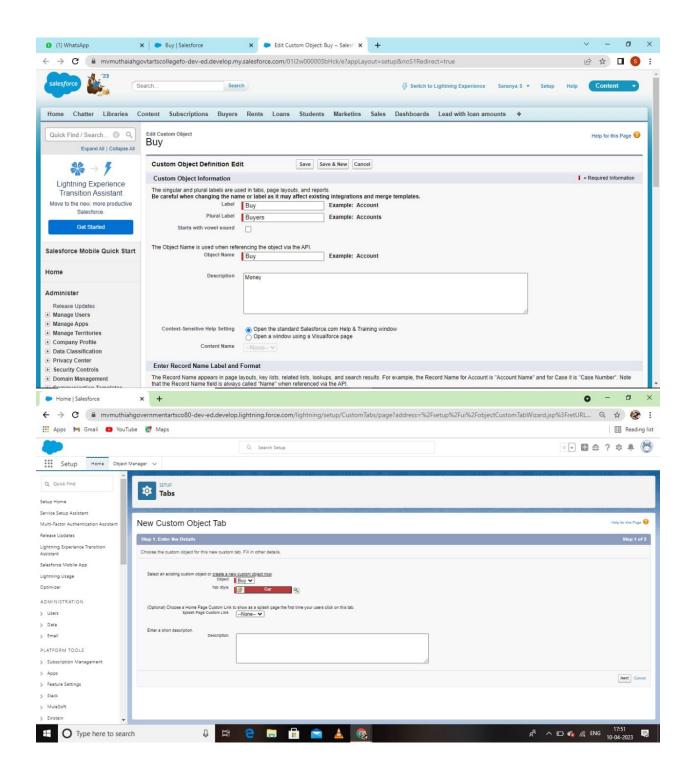
- 4. Plural label name→ Buyers
- 5. Click on Allow reports,
- 6. Allow search \rightarrow Save

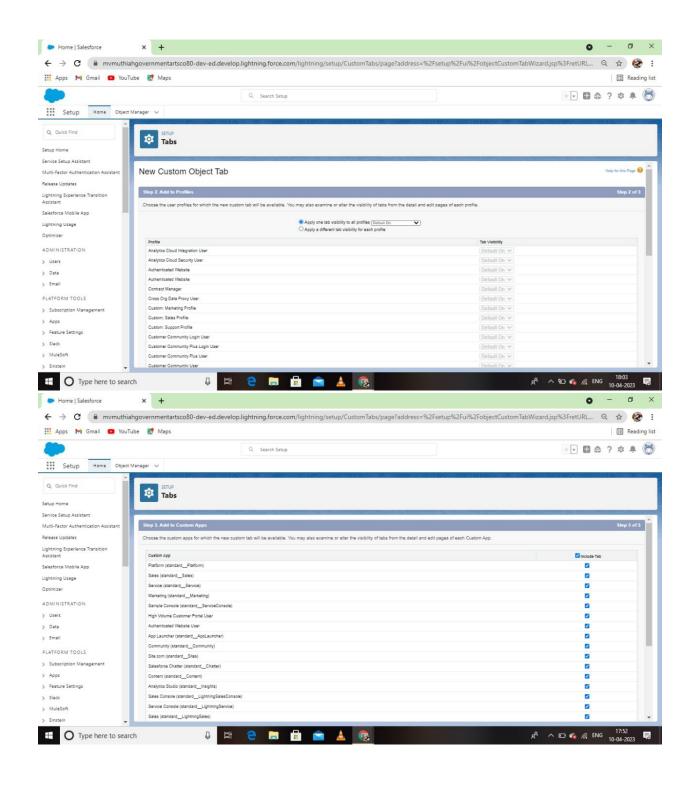
Create Object Rent

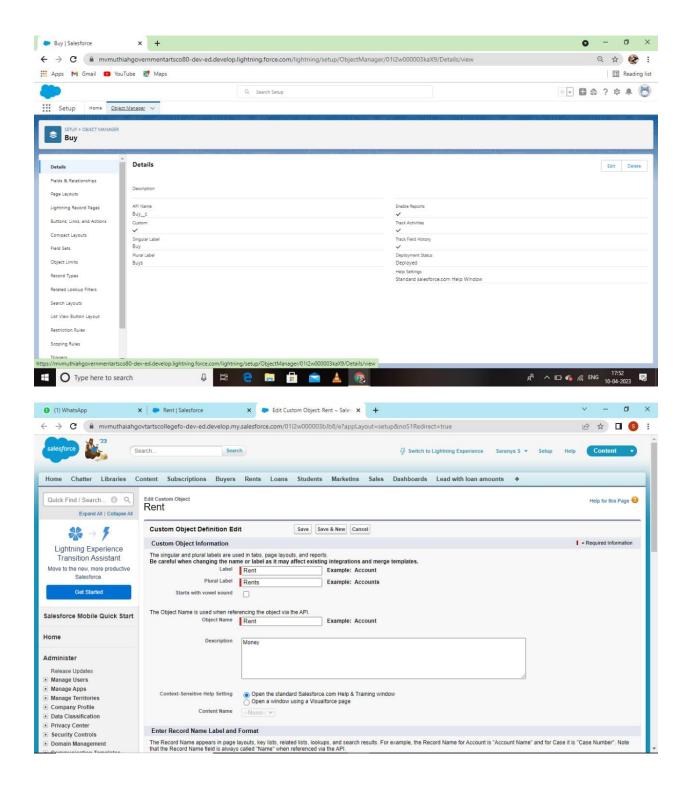
- 1. To create an object:
- 2. From the setup page \rightarrow Click on Object Manager \rightarrow click on Create \rightarrow Click on Custom Object.
 - 3. Enter the label name \rightarrow Rent
 - 4. Plural label name→ Rents
 - 5. Click on Allow reports,
 - 6. Allow Search -> Save

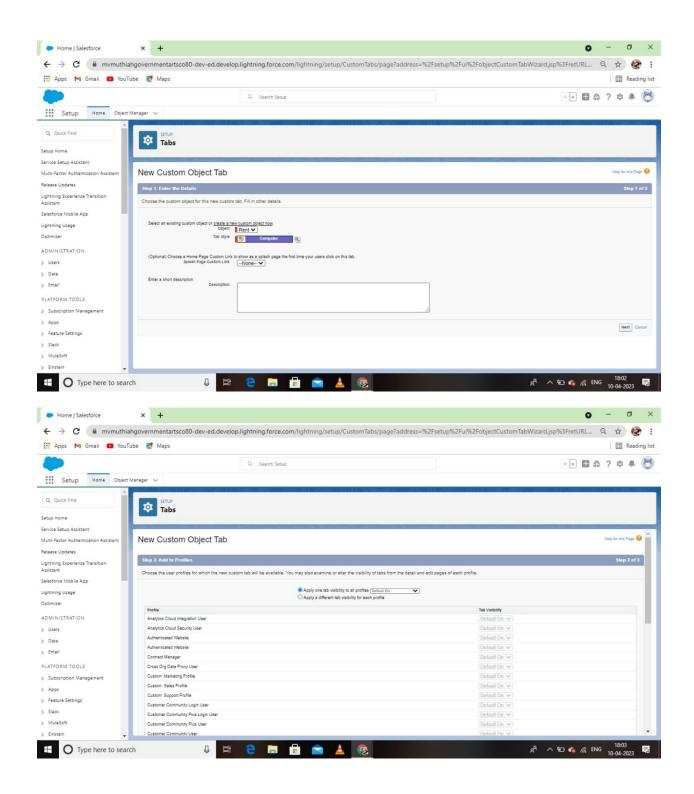
Create Object Loan

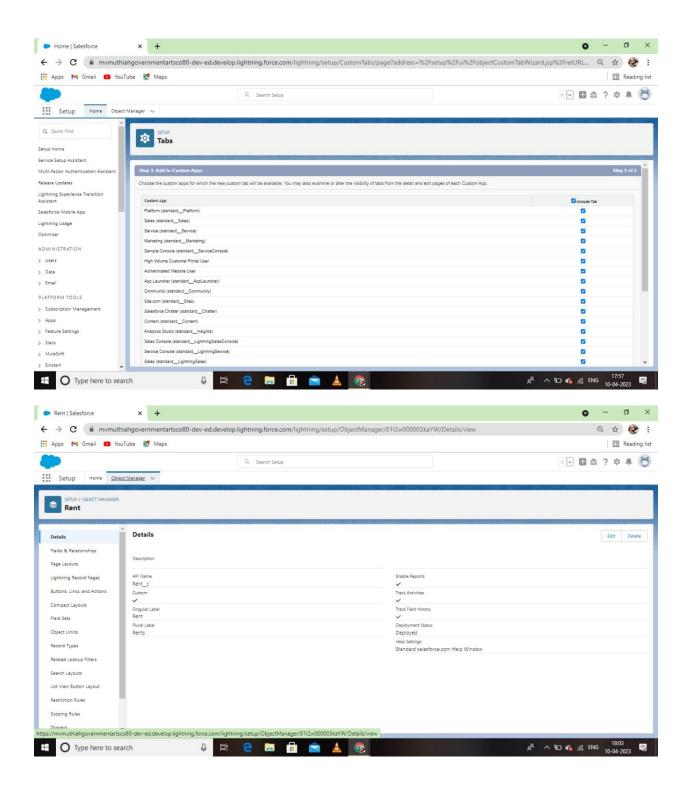
- 7. To create an object:
- 8. From the setup page \rightarrow Click on Object Manager \rightarrow Click on Create \rightarrow Click on Custom Object.
 - 9. Enter the label name \rightarrow Loan
 - 10. Plural label name→ Loans
 - 11. Click on Allow reports,
 - 12. Allow search \rightarrow Save

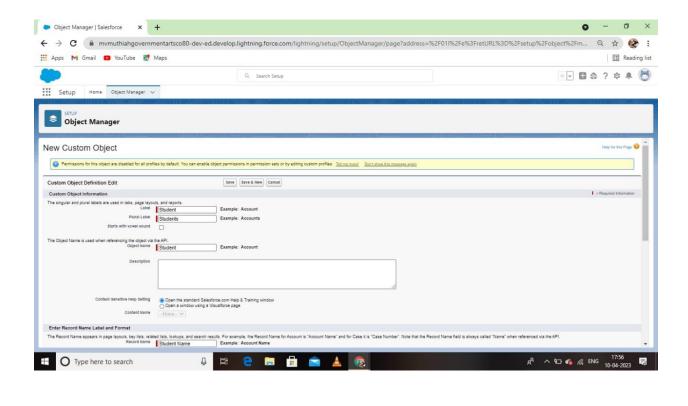


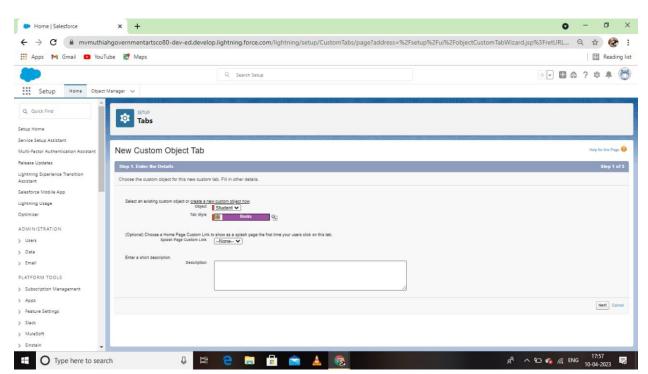


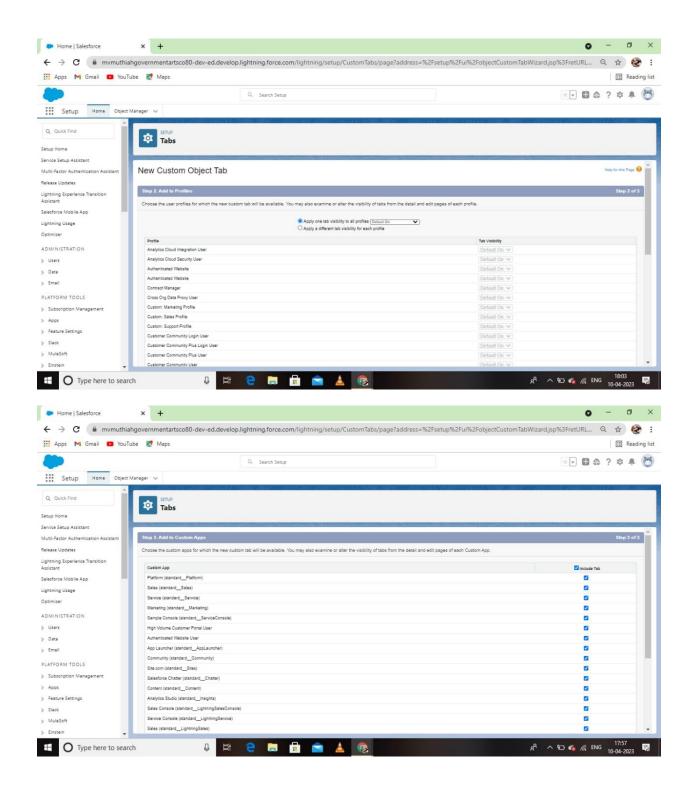


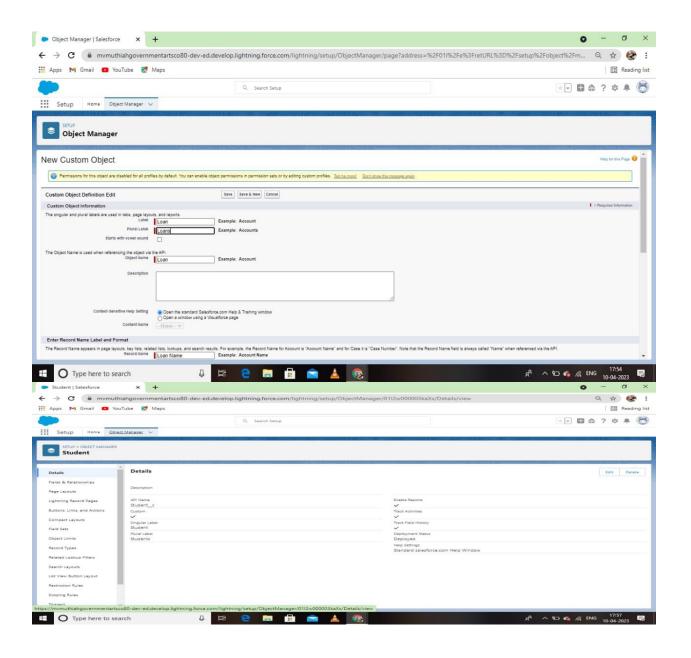


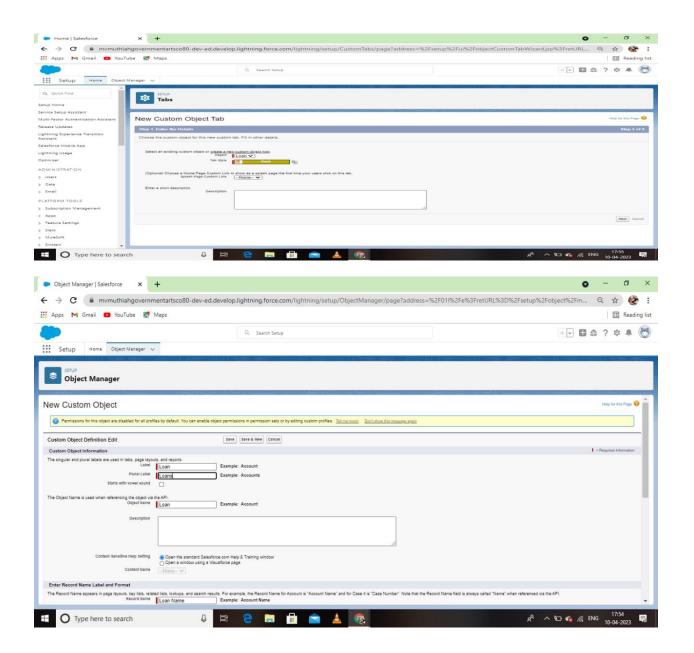


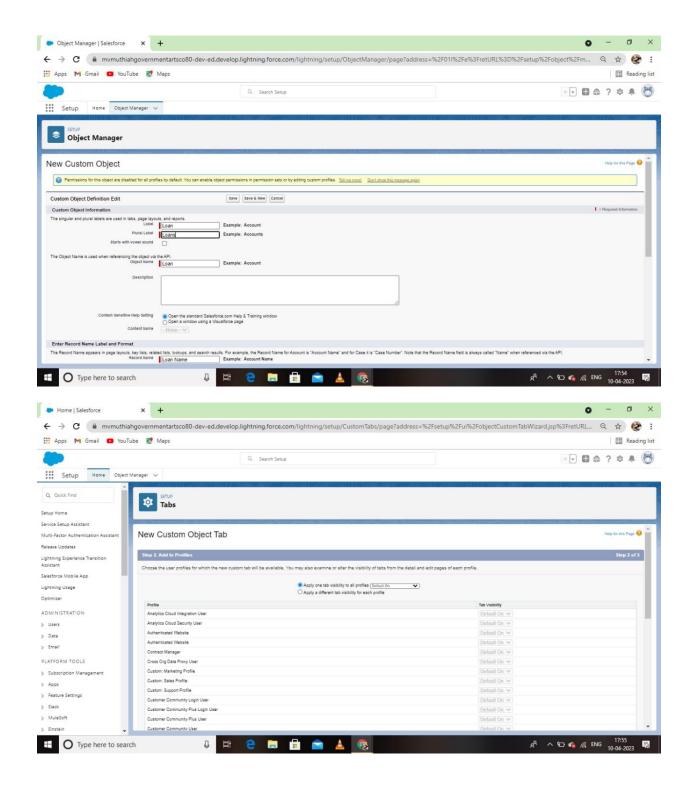


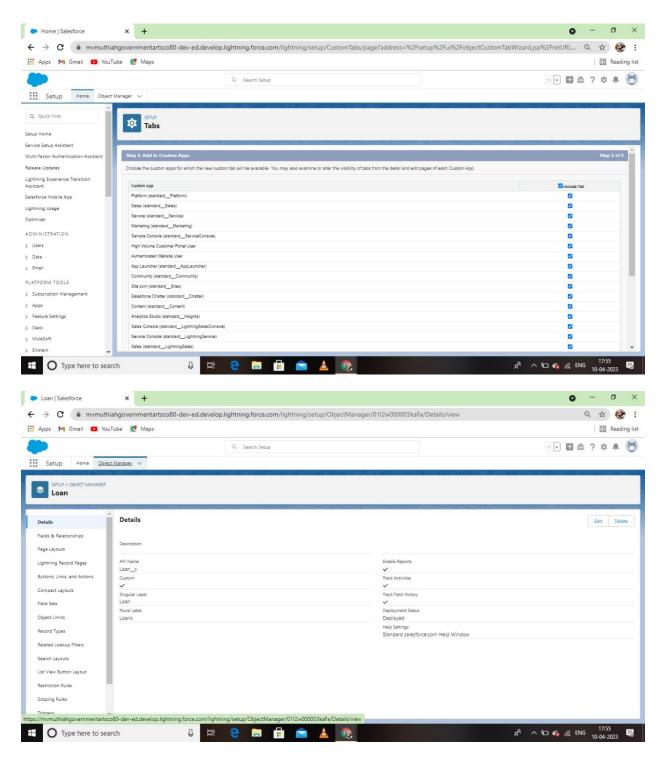












Tab:

Create the Lightning

Tab to create a Tab: (Lead)

- 1. Go to setup page \rightarrow type Tabs in Quick Find bar \rightarrow click on tabs \rightarrow New (under custom object tab)
- 2. Select Object (Lead) \rightarrow Select the tab style \rightarrow Next (Add to profiles page) keep it as default \rightarrow Next (Add to Custom App) keep it as default \rightarrow save

To create a Tab :(Buy)

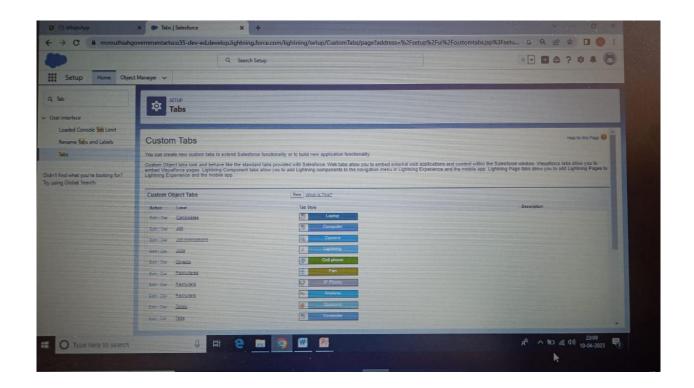
1. Select Object(Lead) → Select the tab style → Next (Add to profiles page) keep it as default → Next (Add to Custom App) keep it as default → Save→ Save

To create a Tab:(Rent)

- 1. Go to setup page \rightarrow type Tabs in Quick Find bar \rightarrow click on tabs \rightarrow New (under custom object tab)
- 2. Select Object (Rent) → Select the tab style → Next (Add to profiles page) keep it as default → Next (Add to Custom App) keep it as default → Save

To create a Tab:(Loan)

1.Go to setup page \rightarrow type Tabs in Quick Find bar \rightarrow click on tabs \rightarrow New (under custom object tab) 2. Select Object (Buy) \rightarrow Select the tab style \rightarrow Next (Add to profiles page) keep it as default \rightarrow Next (Add to Custom App) keep it as default \rightarrow Save



Lightining App:

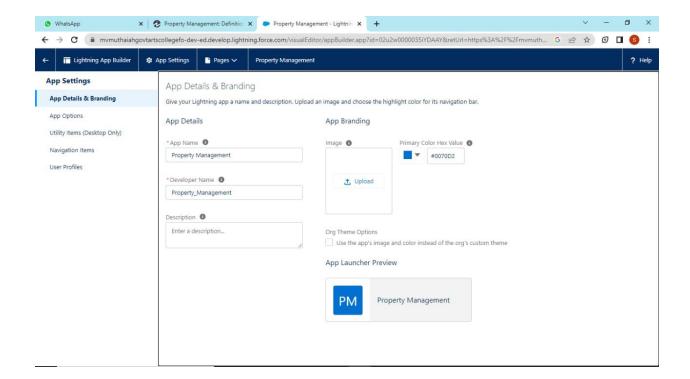
Create the Lightning App

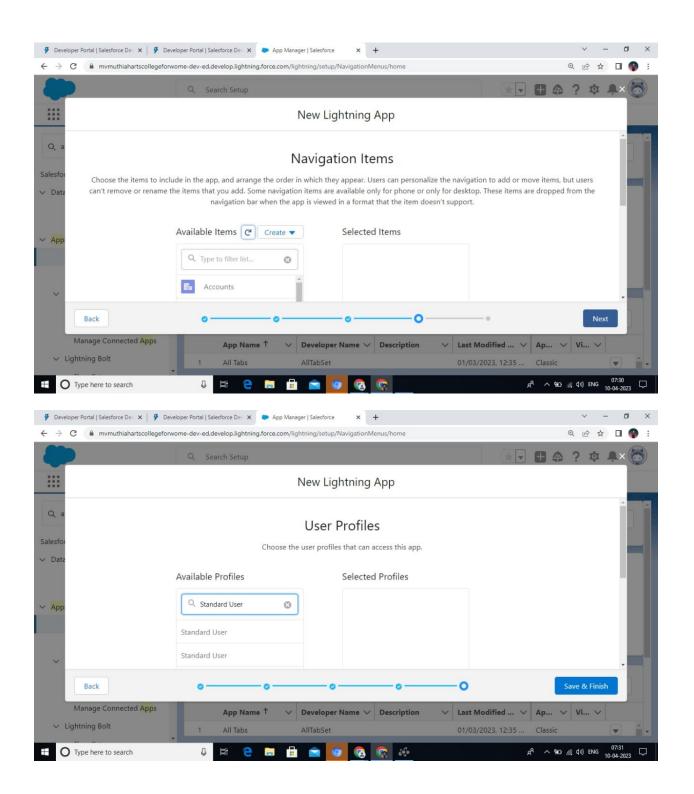
- 1.Go to setup page \rightarrow search "app manager" in quick find \rightarrow select "app manager" \rightarrow click on New lightning App.
- 2. Fill the app name as an Property Management in app details and branding \rightarrow Next \rightarrow (App option page) keep it as default \rightarrow Next
- 3. (Utility Items) keep it as default → Next → (Add Navigation Items)(add tabs Lead, Buy, Rent, Loan) → Next → (Add User Profile) Add System Administrator, Salesforce platform user, Standard User → Next
 - 4. To Add Navigation Items:

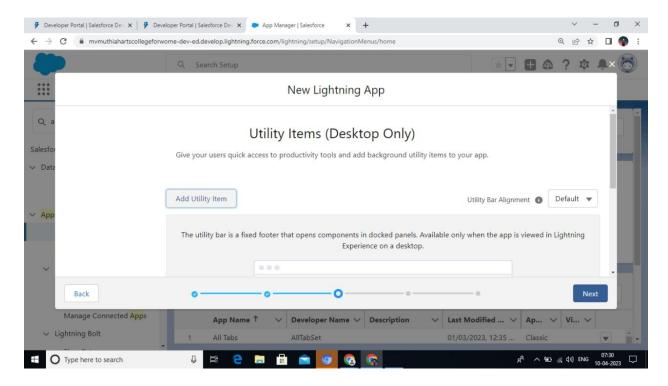
Select the items from the search bar and move it using the arrow button → Next

5. To Add User Profiles:

Search profiles in search bar \rightarrow click on the arrow button \rightarrow save & finish.







Fields:

Create the Lead Field

- Go to setup → click on Object Manager → type object name in search bar → click on the object.
- 2. Now click on "Fields & Relationships" \rightarrow New.
- 3. Fill the field label name Lead \rightarrow Next \rightarrow Next \rightarrow Save.

Create the remaining Fields:

Follow the Above Steps to create the Field just change the Labels for Below Fields Lead:(AutoNumber Created Field while creating Object) →L-{0000}

State: Create the Picklist Field (Maharashtra, Gujarat,

Rajasthan)(Field Dependency) City: Create the Picklist (Mumbai,

Pune, Nashik)(Field Dependency)

Email: Create the Email Select the Data Type as Email (Email)

Phone: Select the Field Data type as (Phone)

For Object Buy

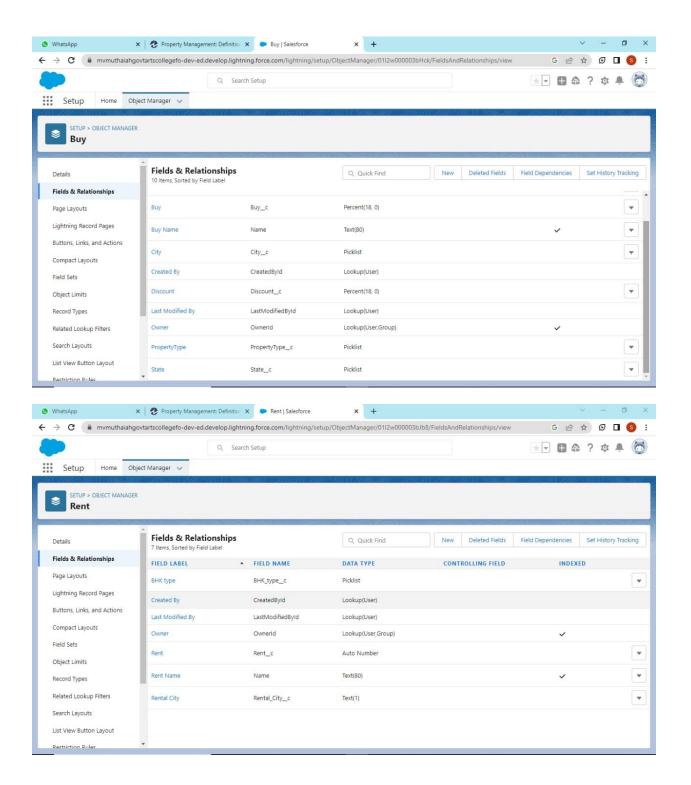
- 1. Create Field for Buy
- 2. Create Property Type: (Picklist) (Residential, Commercial, Industrial)
- 3. Discount: (Percentage As the Field Data Type)
- 4. State: Create the Picklist Field (Maharashtra, Gujarat, Rajasthan)(Field Dependency)
- 5. City: (Take Any City for Field Dependency) 6. Annual Amount To Be Paid

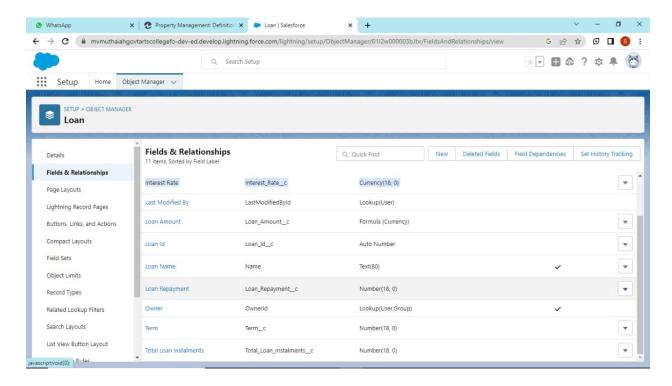
Create Field for Rent

- 1. Rent: (Auto Number while Creating the object) \rightarrow R-{0000}
- 2. Rental City: Select the Text as the Field Data Name (Any City)
- 3. BHK type: (Picklist) (1BHK, 2BHK, 3BHK)

Create Field for Loan

- 1. Loan Id: Auto generated Field Take it as Autonumber LN-{0000}
- 2. Interest Rate: (Select the Field Data Type As Currency)
- 3. Term:(Select the Field Data type as Number)
- 4. Annual Loan Field create the Number as the field data type
- 5. Total Loan Instalments : (Field create the Number as the field data type)
- 6. Loan Repayment (Field create the Number as the field data type)
- 7. Loan Amount(Select the field data type as Formula)
- 8. For the Loan Object→ Go to the fields and Relationship and select the formula in field data type. In Formula option select Advanced Formula and write the following formula (Loan_Repayment__c * (((1+(Interest_rate__c /52))^ Term__c) -1))/((Interest_rate__c /52)*((1+(Interest_rate__c /52))^ Term__c)) ##Check the syntax below whether the formula syntax is correct or not





Profile:

To create a new profile

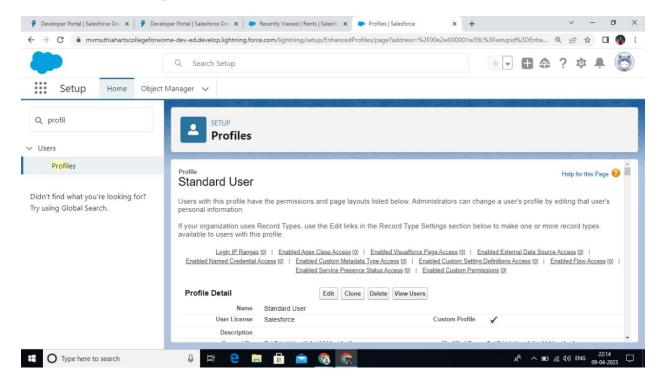
- 1. Go to setup \rightarrow type profiles in quick find box \rightarrow click on profiles \rightarrow clone the desired profile (standard user is preferable) \rightarrow enter profile name \rightarrow save
 - 2. .Enter a Profile Name
 - 3. Click on the new created profile
 - 4. While still on the profile page, then click Edit
- 5. Scroll down to Custom Object Permissions and Give view all access permissions and assign to the parent profile
- 6. Sales Manager →Standard user Profile, Marketing Executive1 and Executive2→Standard Platform User, Marketing Manager→Standard Platform user For

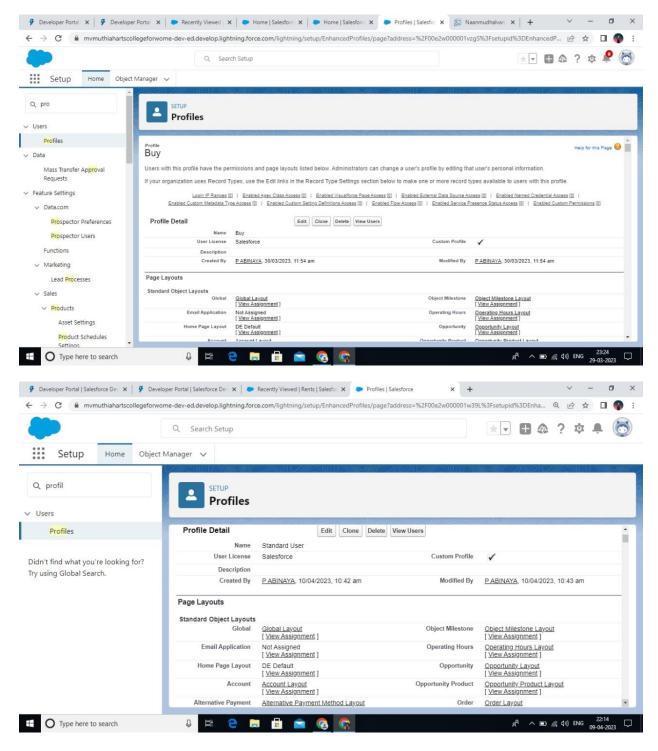
Create Marketing

- 1. Then In The Profile Level Give Read and Create Access to Marketing Executive and Read, Create, Edit, Delete for the Marketing manager
 - 2. Marketing Manager Should Have Access to Marketing Executive

Sales:

- 1. In the Profile Level Sales Manager is Having Create, Edit, Delete
- 2. For Sales Rep1→ Read, Create, Edit
- 3. For Sales Rep2→Read, Create, Edit
- 4. For Sales Rep3 \rightarrow Read only



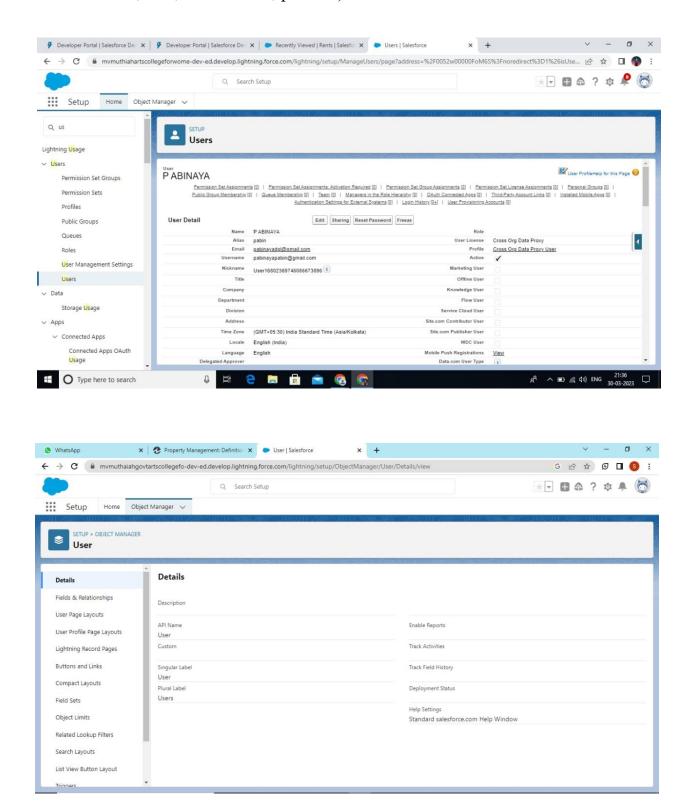


New User:

Create User

1.Go to setup \rightarrow type users in quick find box \rightarrow select users \rightarrow click

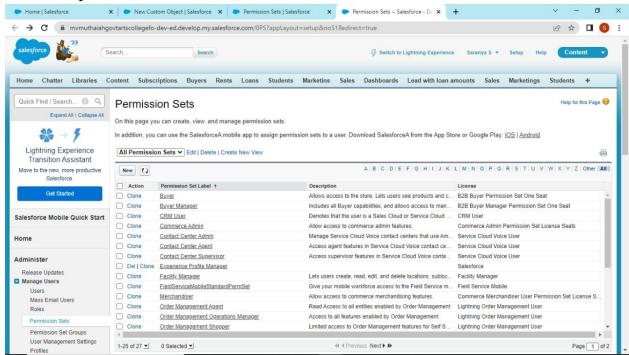
2. Fill in the fields (first name, last name, alias, email id, username, nick name, role, user license, profiles) \rightarrow save.

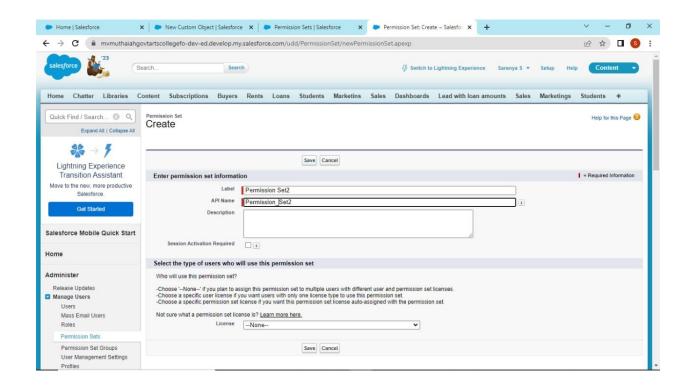


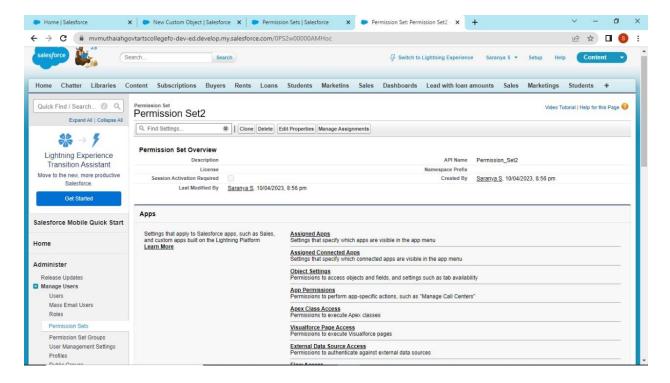
Permission Set:

Create the Permission Sets

- 1. Go to setup \rightarrow type "permission sets" in quick search \rightarrow select permission sets \rightarrow New.
- 2. Enter the label name \rightarrow save.
- 3. After saving the permission click on the Manage assignment
- 4. Now click on the Add Assignment
- 5. Now select the users and click on save.
- 6. Go to permission set and add the access For Sales Rep3 give Access with Create permission for the user



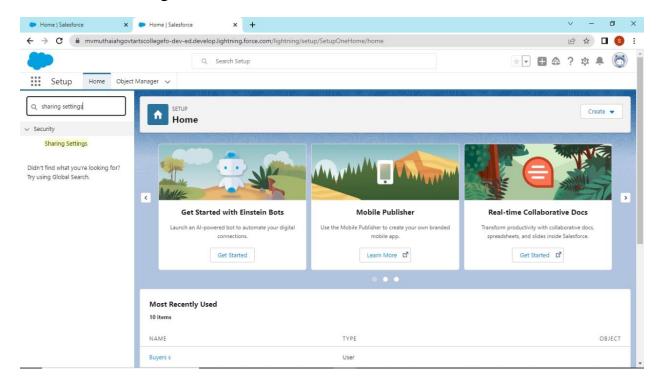


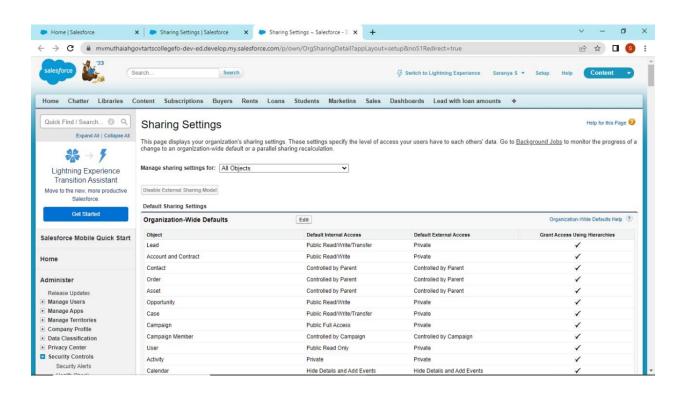


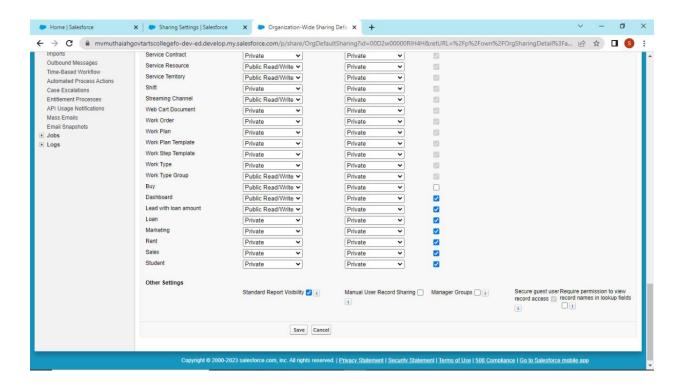
Setup for OWD:

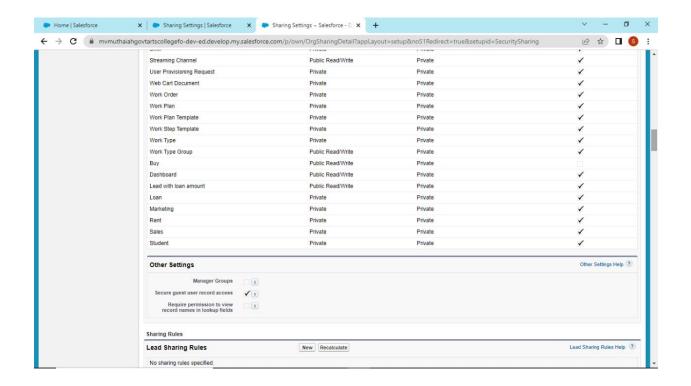
Create OWD Setting

- 1. Setup, use the Quick Find box to find Sharing Settings.
- 2. Click Edit in the Organization-Wide Defaults area.
- 3. For each object, select the default access you want to give everyone.
- 4. To disable automatic access using your hierarchies, deselect Grant Access Using Hierarchies for Lead, Rent custom object.
 - 5. Click Edit and from the Drop Down select private for internal and external
 - 6. This Setting is for all the User Which have been Created









Marketing 1.

Create the Record Level OWD Setting give it As A Private To Marketing manager And Marketing Executive Sales:

1. Sale Manager OWD is Set As Private similarly sales Rep1, Sales Rep2 same OWD for them

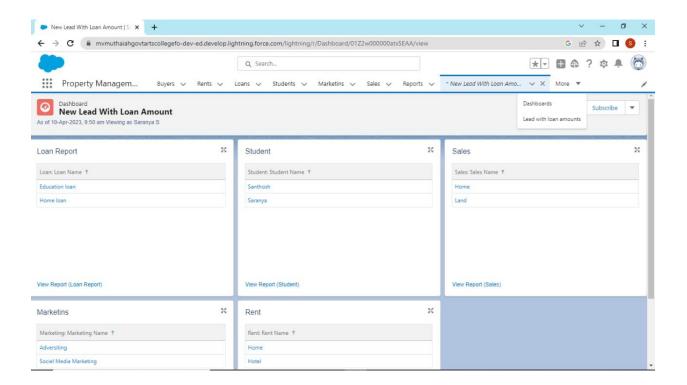
Report:

Create Report

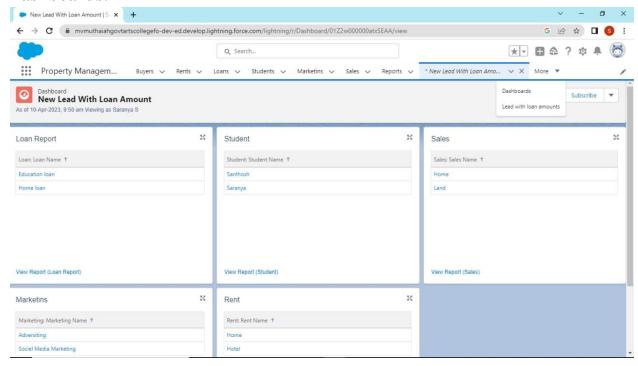
- 1. Go to the app \rightarrow click on the reports tab
- 2. Click New Report
- 3. Select report type from category or from report type panel or from search panel → click on start report.
- 4. Customize your report, then save or run it.

Create Report for following Condition

- 1. Create the Report of the Total Number of Loan Passed for for getting the Amount For the Property
 - 2. The Condition should be Like Loan Amount >= to 5000\$



Dashboards:



Create dashboards

- 1. Go to the App Launcher and select the Dashboards
- 2. Select add component
- 3. Select the folder select the following option new lead with loan Amount
- 4. Select in which format you want display chart

Create Dashboard

1. Create the Dashboard for the Same Take Any Type of Dashboard (Chart) And Display It on The App Home Page

4 Trailhead Profile Public URL

Team Lead : https://trailblazer.me/id/ebharathip

Team Member 1: P. ABINAYA(20321ER001)

Team Member 2:S. ASMA PARVEEN(20321ER002)

Team Member 3:M. CHANDRA(20321ER004)

Team Leader : P. BHARATHI(20321ER003)

5 Advantages and Disadvantages

Advantages:

- ❖ Manage pricing and inventories dynamically.
- ❖ Automate based on your business processes.
- ❖ Integrated with all major online travel portals.
- * Maximize operational efficiency and profitability.
- * Can be integrated with other AppExchange applications.

Disadvantages:

- Configuration and setup is complex and time consuming.
- Cluttered interface makes navigation and simple tasks unnecessarily complex.
- ❖ The learning curve never seems to end.
- Customer support has a poor reputation
- Getting users to adopt the system.

6 Applications

- → A property management system (PMS) is a software application for the operations of hospitality accommodations and commercial residential rental properties.
- ♣ PMS is also used in manufacturing. A property management system is sometimes referred to as a hotel operating system or hotel OS.
- ♣ A property management system (PMS) is software that facilitates a hotel's reservation management and administrative tasks.
- ♣ The most important function include front-desk operations, reservations, channel management, housekeeping, rate and occupancy management, and payment processing.

7 Conclusion

Man a company's sales force is important because it may help improve the efficiency and success of the sales team. This can help increase company revenue and create a positive work environment for sales team members.

8 Future scope

We expect Salesforce to integrate data science and big data capabilities to its Service cloud and Marketing Cloud.

This would result in automated customer service tasks and would let marketers leverage data for predictive and targeted marketing.