# PROPERTY MANAGEMENT APPLICATION USING SALESFORCE

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Under the guidance of

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**Guest Lecture** 

**PG & Research Department of Mathematics** 

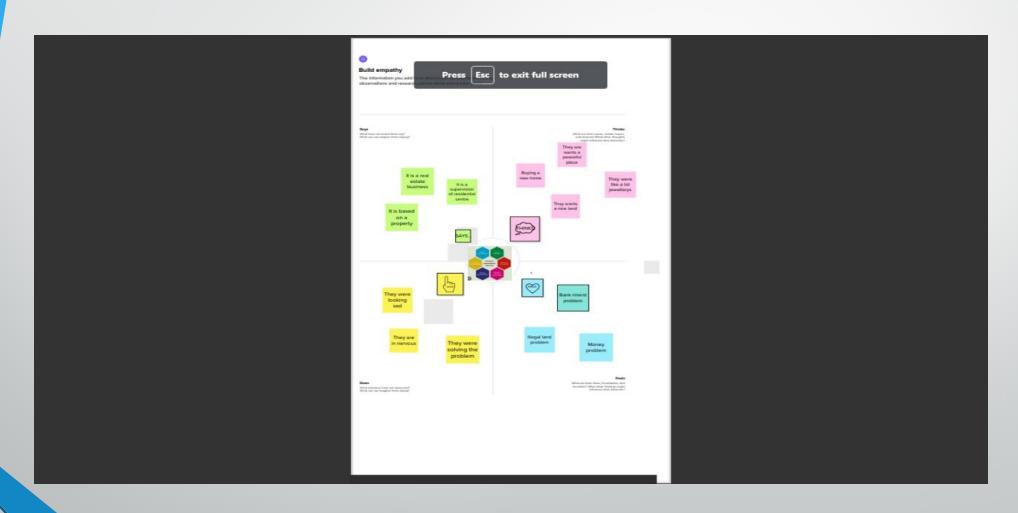
M.V. Muthiah Government Arts College For Women

### INTRODUCTION

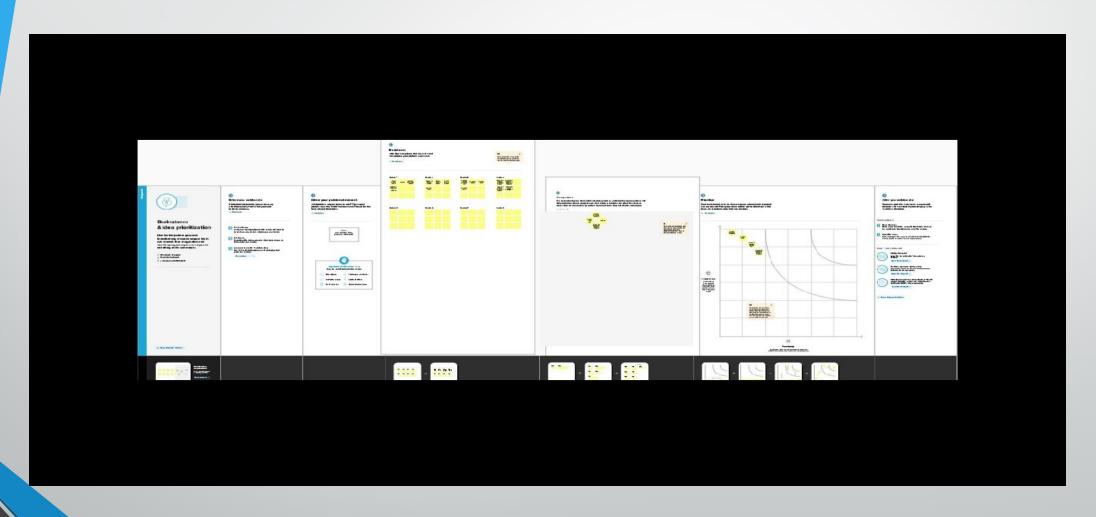
Salesforce is game-changing technology, with a host of productivity-boosting features, that will help you sell smarter and faster. A property management system (PMS) is a software application for the operations of hospitality accommodations and commercial residential rental properties. PMS is also used in manufacturing industries, local government and manufacturing. A property management system is sometimes referred to as a hotel operating system or hotel OS.

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## **EMPATHY MAP**



## **IDEATIONAND BRAINSTORMING MAP**



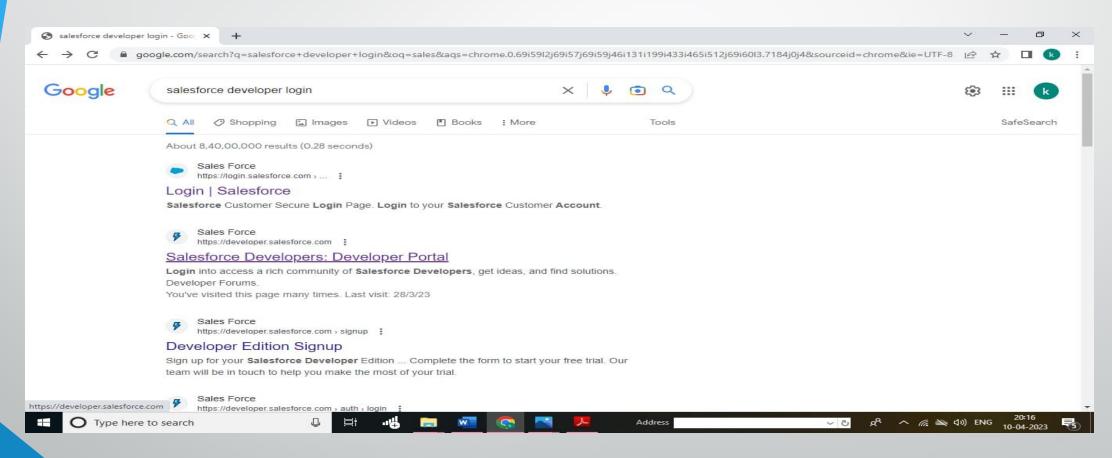
## **SALESFORCE**

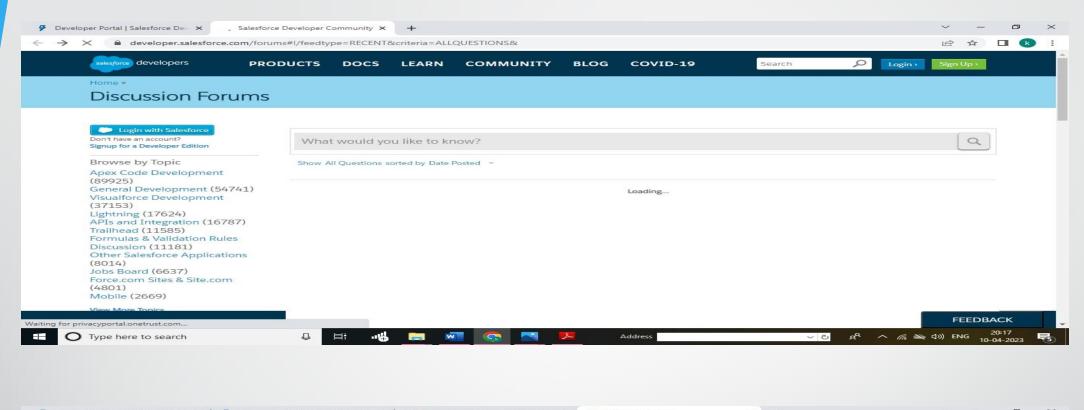
## Creating Developer Account Creating a developer org in salesforce.

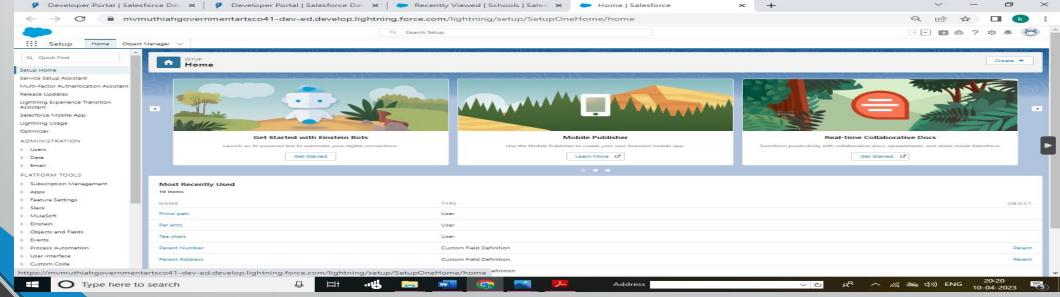
- 1. Go to developers.salesforce.com/
- 2. Click on sign up.
- 3. On the sign up form, enter the following details:
- a. First name & Last name
- b. Email
- c. Role: Developer
- d. Company: College Name
- e. County: India
- f. Postal Code: pin code
- g. Username:

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

- 1. Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins, as
- 2. Login To Your Salesforce Account







## **OBJECTS**

#### **Objects**

#### To Navigate to Setup page:

1. Click on gear icon  $\rightarrow$  click setup

To create an object:

- 2. From the setup page  $\rightarrow$  Click on Object Manager  $\rightarrow$  Click on Create  $\rightarrow$  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**

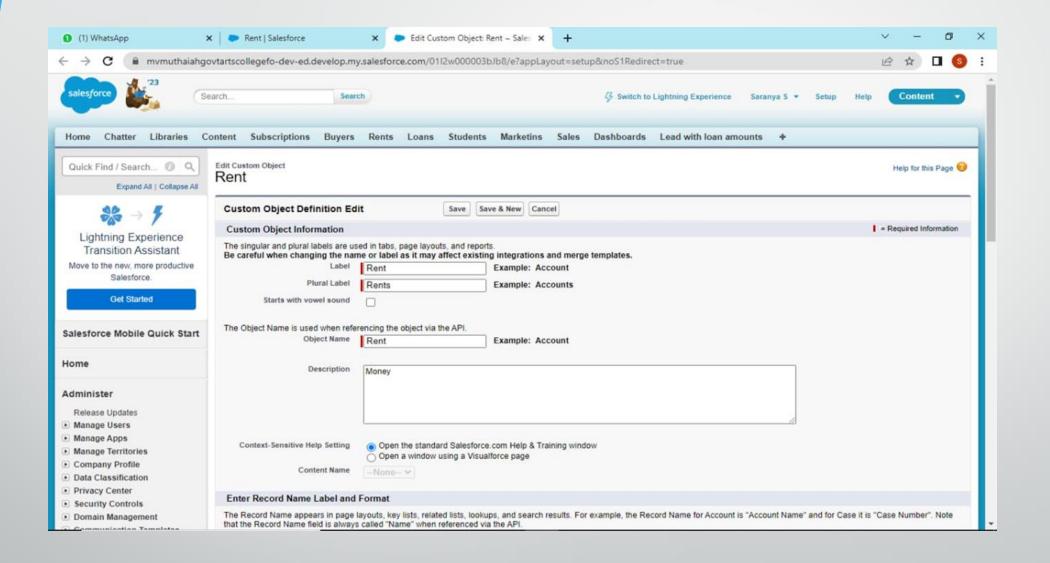
- 1. To create an object
- 2. From the setup page  $\rightarrow$  Click on Object Manager  $\rightarrow$  Click on Create  $\rightarrow$  Click on Custom Object.
- 3. Enter the label name→Buy
- 4. plural label name→ Buyers
- 5. click on Allow reports
- $_{\star}$  6. Allow search → Save

#### **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→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→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)

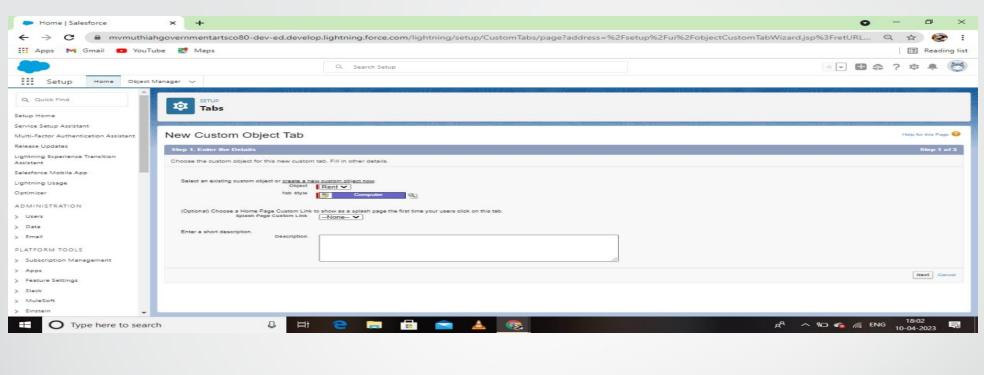
- 1. Go to setup page  $\rightarrow$  type Tabs in Quick Find bar  $\rightarrow$  click on tabs  $\rightarrow$  New (under custom object tab)
- 2. Select Object(Buy)  $\rightarrow$  Select the tab style  $\rightarrow$  Next (Add to profiles page) keep it as default  $\rightarrow$  Next (Add to Custom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

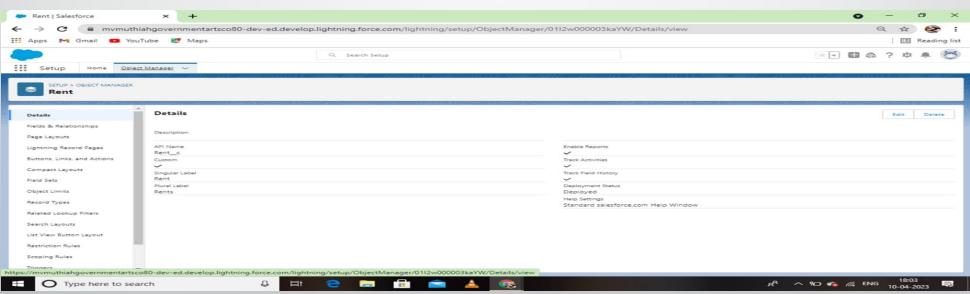
#### To create a Tab:(Rent)

- 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)  $\rightarrow$  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:(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

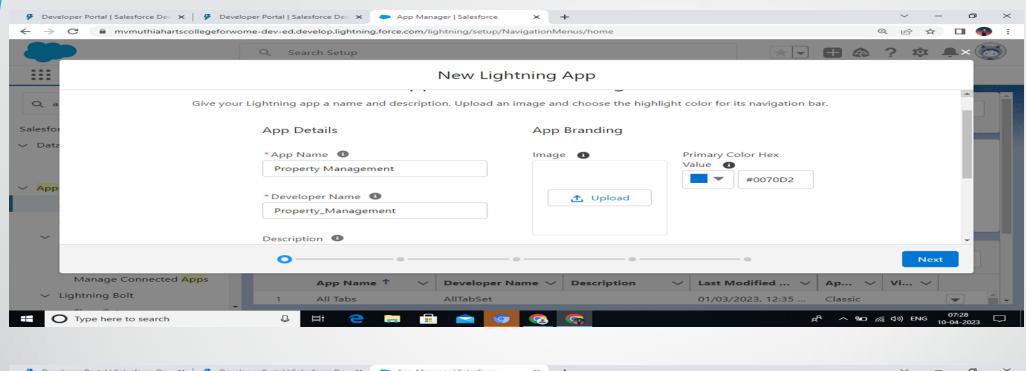


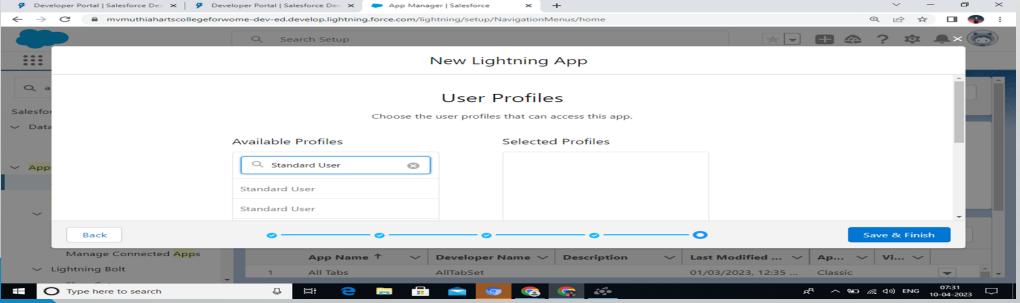


## THE LIGHTNING APP

#### **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
- 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  $\rightarrow$  Next  $\rightarrow$  (Add Navigation Items)(add tabs Lead, Buy, Rent, Loan)  $\rightarrow$  Next  $\rightarrow$  (Add User Profile) Add System Administrator, Salesforce platform user, Standard User  $\rightarrow$  Next
- 4. To Add Navigation Items: Select the items from the search bar and move it using the arrow button  $\rightarrow$  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

- 1. Go to setup  $\rightarrow$  click on Object Manager  $\rightarrow$  type object name in search bar  $\rightarrow$  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-{oooo}

**State**: Create the Picklist Field (Maharashtra, Gujarat, Rajasthan)(Field Dependency)

**City:** Create the Picklist(Mumbai, Pune, Nashik)(FieldDependency)

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

**Phone**: Select the Field Data type as (Phone)

In the Fields and Relationship go to the Field Dependencies

#### 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)
- 6. Annual Amount To Be Paid
- 5. City: (Take Any City for Field Dependency)

#### **Create Field for Rent**

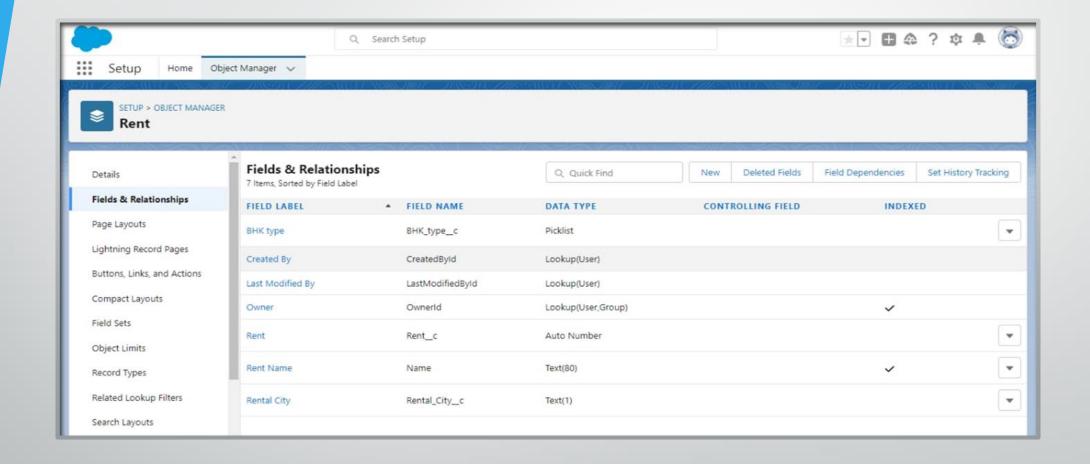
- 1. **Rent**:(Auto Number while Creating the object)→ R-{oooo}
- 2. Rental City: Select the Text as the Field Data Name(Any City)
- 3. **BHK type**:(Picklist)(1BHK, 2BHK,3BHK)

#### **Create Field for Loan**

- 1. Loan Id: Auto generated Field Take it as Auto number 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 datatype
- 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



## **PROFILES**

#### 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

Click on the new created profile

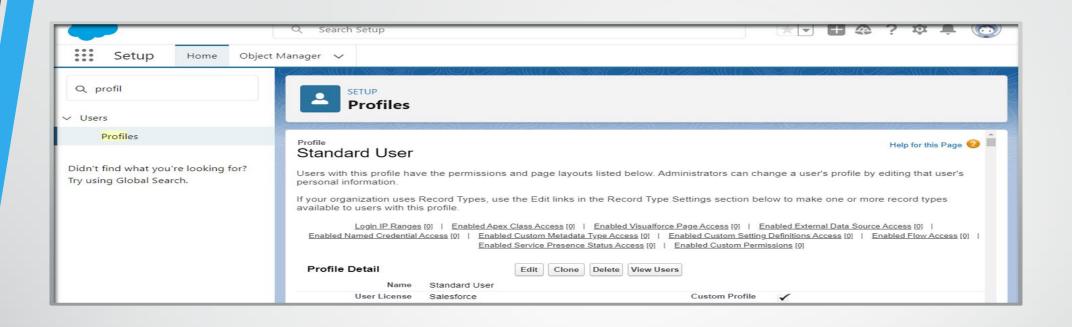
- 4. While still on the profile page, then click
- 5. Scroll down to Custom Object Permissions and Give view all access permissions and assign to the parent profile Edit
- 6. Sales Manager → Standard user Profile , Marketing Executive1 and Executive2→Standard Platform User, Marketing Manager→Standard Platform User For

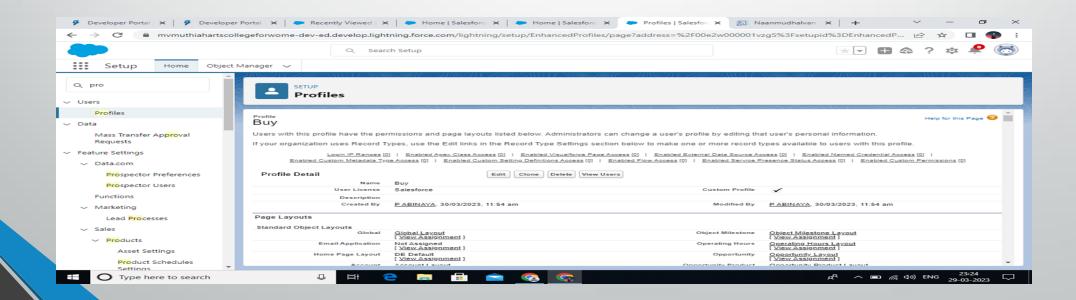
#### **Create Marketing**

- 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,
- 2. For Sales Rep $1 \rightarrow$  Read, Create, Edit
- 3. For Sales Rep2→Read, Create, Edit
- 4. For Sales Rep3→ Read only Edit, Delete

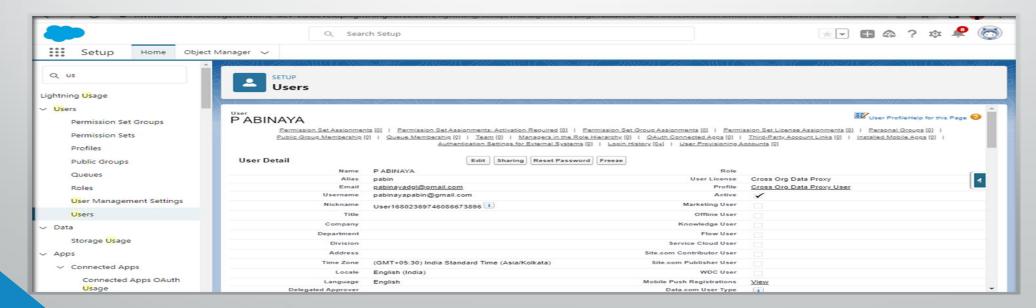




## **NEW USER**

#### **Create User**

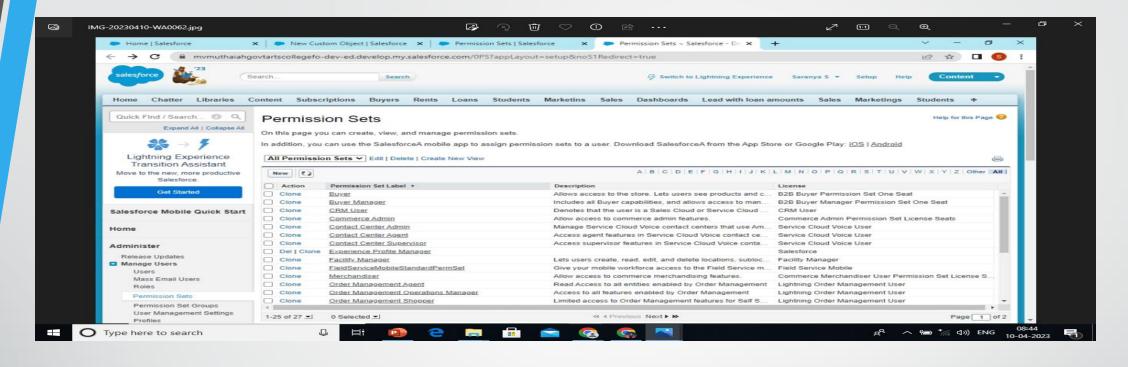
- Go to setup → type users in quick find
- 2. Fill in the fields (first name, last name, alias, email id, username, nick name, role, user license, profiles)  $\rightarrow$  save box  $\rightarrow$  select users  $\rightarrow$  click New user

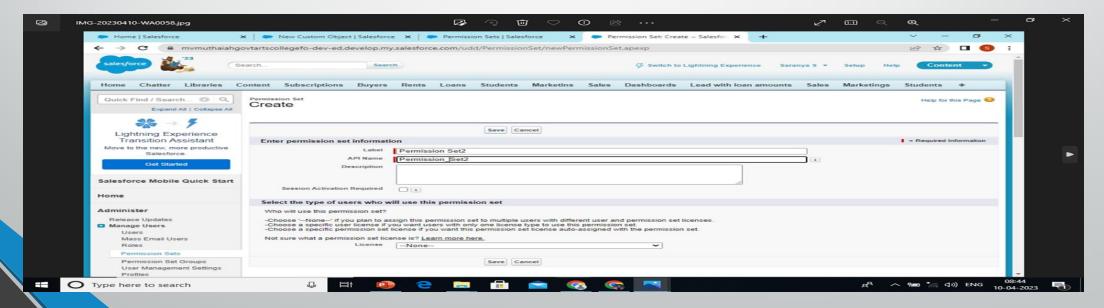


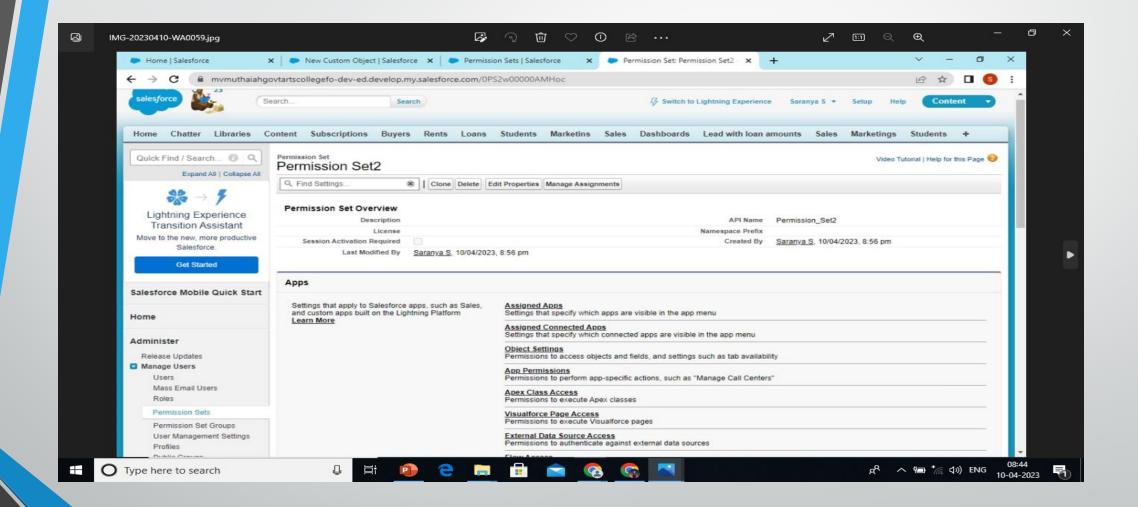
## **PERMISSION SET**

#### **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**

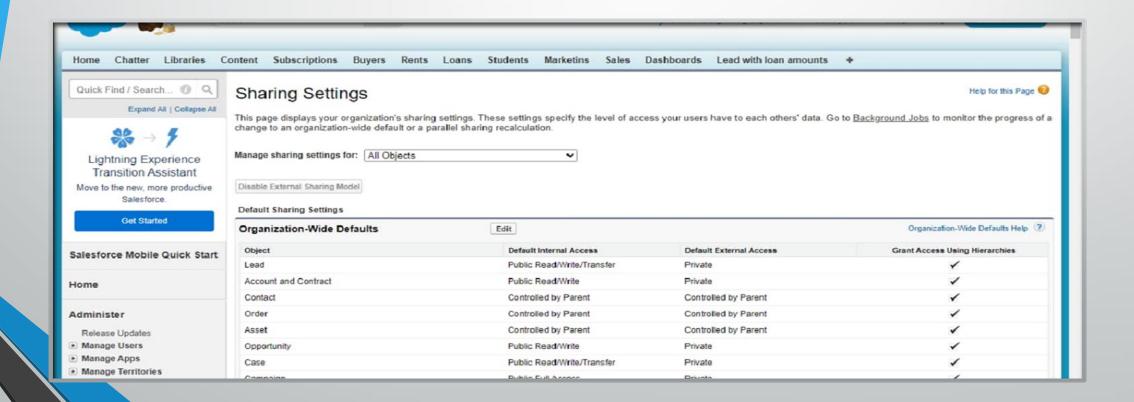
- 1. Setup, use the Quick Find box to find Sharing Settings.
- 2. Click Edit in the Organization-Wide Defaults area.
- 3. For each object, select the default access you want to give everyone.
- 4. To disable automatic access using your hierarchies, deselect Grant Access Using Hierarchies for Lead, Rent 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

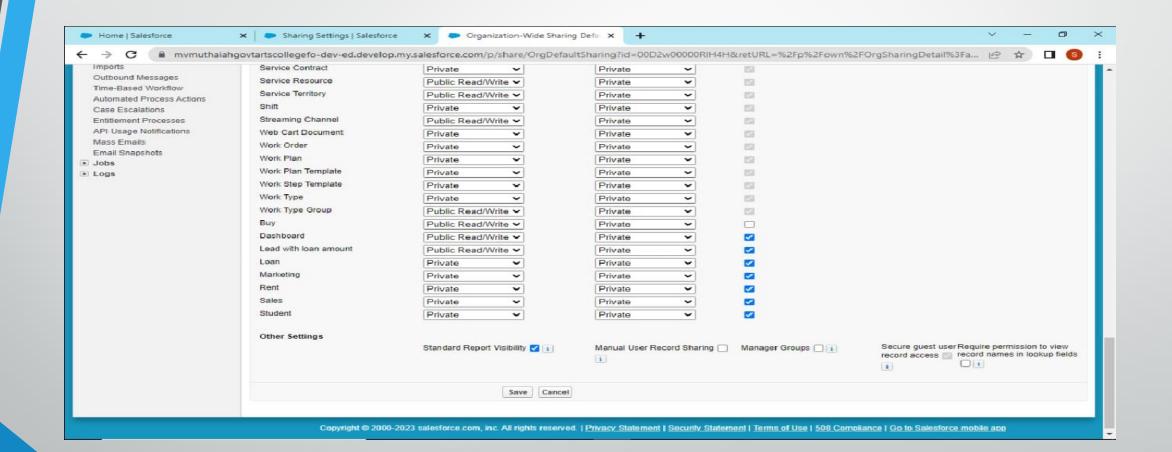
#### Marketing

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





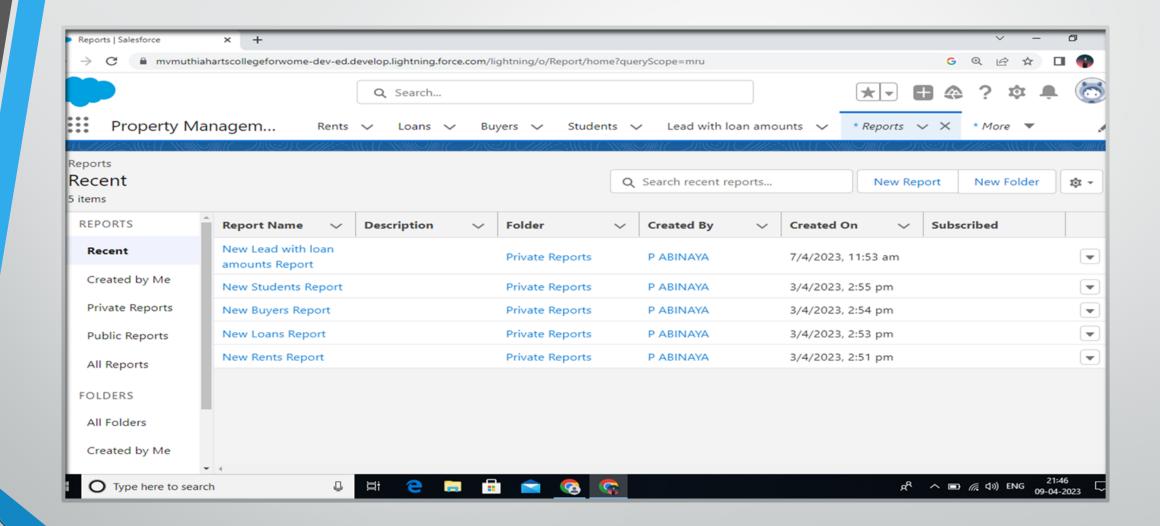
## **REPORTS**

#### **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  $\rightarrow$  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\$



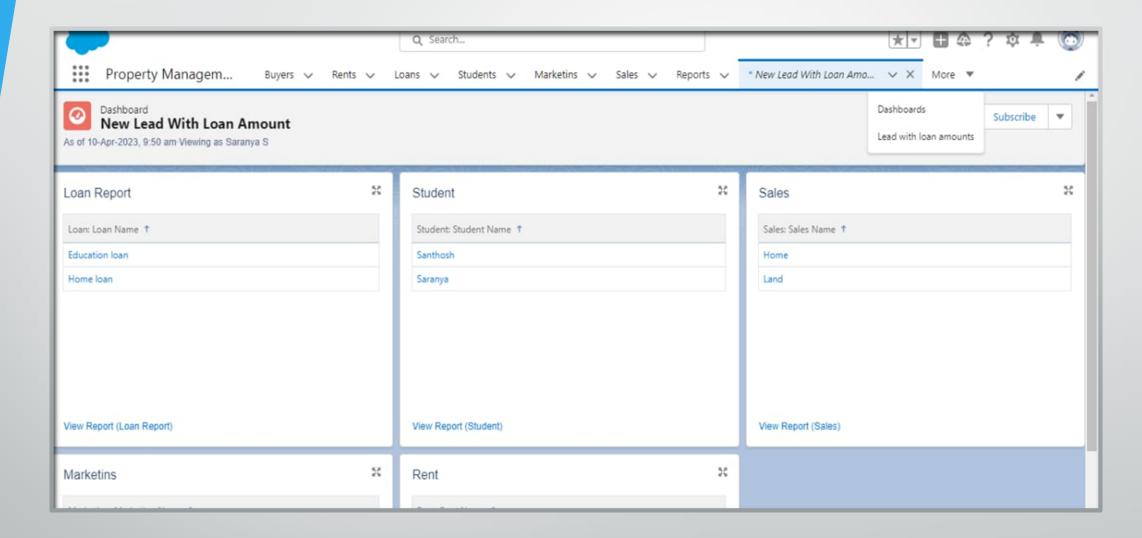
## **DASHBOARD**

#### **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



## **CONCLUSION**

- 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 upto 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 dashboard so there will be clear view just get the reports on the count of loan passed getting the property purchased close the deal.

## THANKYOU