Project Report

PROPERTY MANAGEMENT APPLICATION

1. INTRODUCTION

1.1 Overview

Property management applications are software solutions designed to help property managers and landlords manage their properties more efficiently. These applications automate various aspects of property management, including rent collection, maintenance requests, tenant communication, accounting, and reporting.

Property management applications can be cloud-based, which means that users can access them from any device with an internet connection. This is particularly helpful for property managers who are constantly on the go and need to access information from multiple locations.

1.2 Purpose

The purpose of property management applications is to provide property managers and landlords with a software solution that can help them manage their rental properties more efficiently. These applications automate many aspects of property management, including rent collection, lease tracking, maintenance management, tenant communication, accounting, and reporting.

The ultimate goal of property management applications is to help property managers save time and money by streamlining routine tasks and providing easy access to important information. By automating many aspects of property management, property managers can focus on more strategic tasks that require human input, such as developing and implementing long-term plans for their properties.

2. PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map



Empathy map

Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset.

Share template feedback



Need some inspiration?

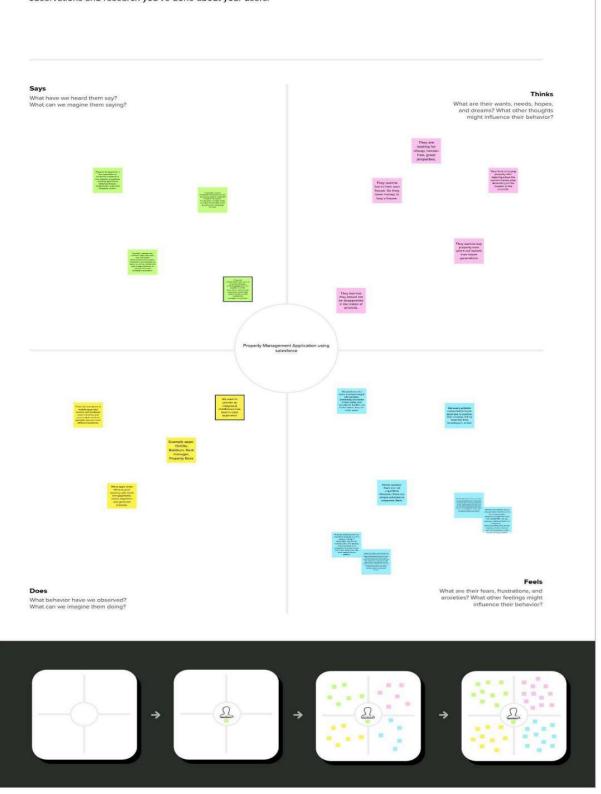
See a finished version of this template to kickstart your work.

Open example ->



Build empathy

The information you add here should be representative of the observations and research you've done about your users.



2.2 Ideation & Brainstorming Map



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- () 10 minutes to prepare
- 1 hour to collaborate
- 2-8 people recommended



Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

A Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

C Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.





Define your problem statement

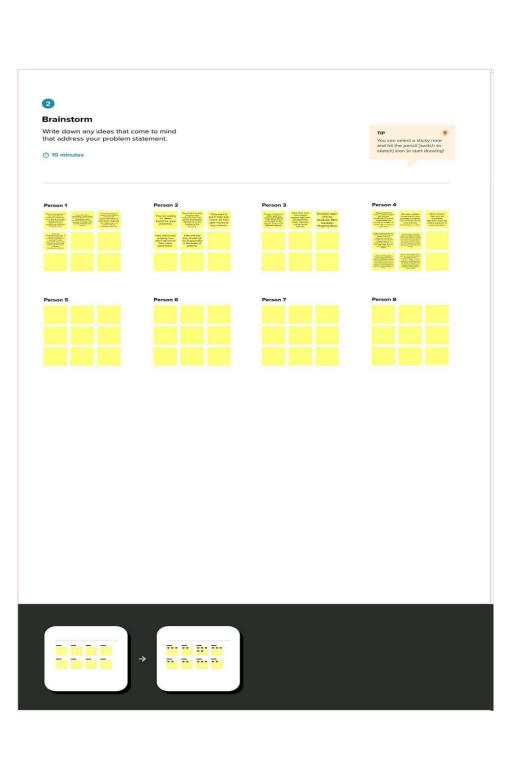
What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.



PROBLEM

How might we [your problem statement]?







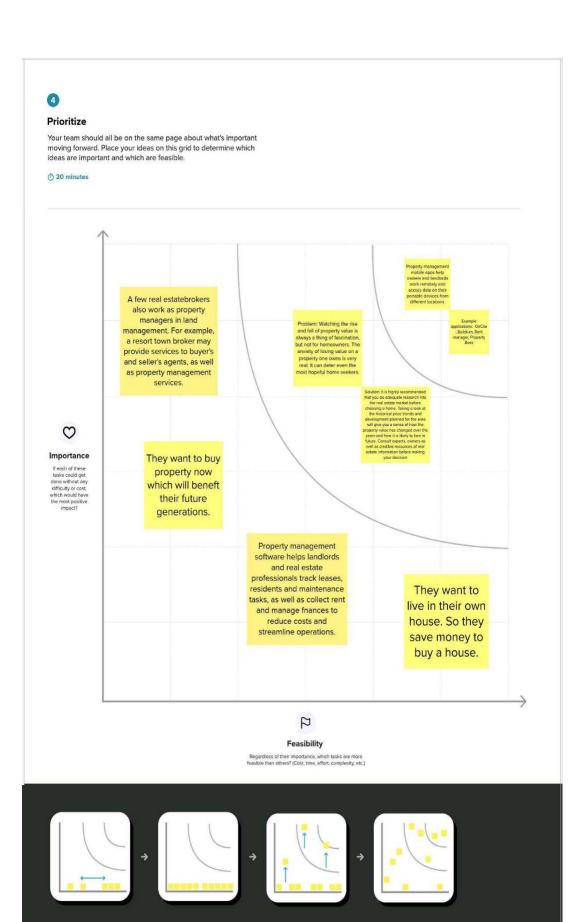
Group ideas

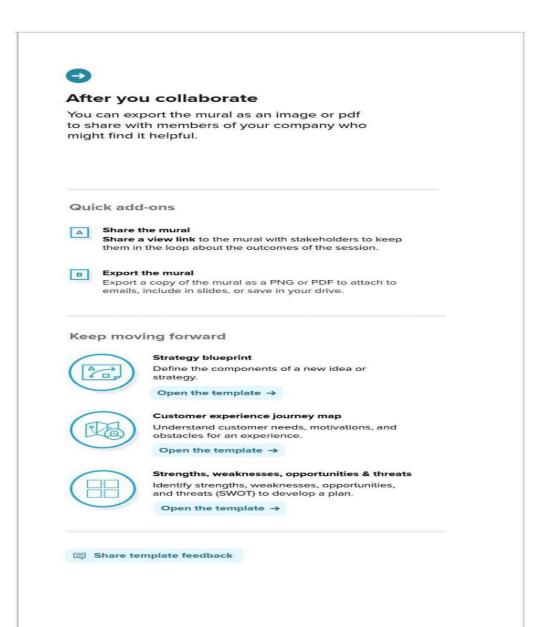
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

① 20 minutes









3. RESULT

3.1 Data Model:

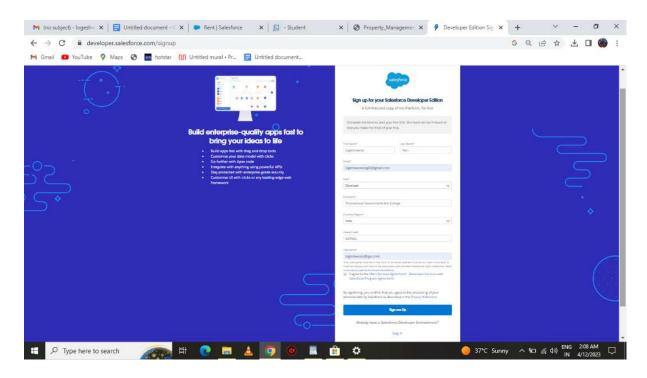
Object name	Fields in the Object
Object name	Fields in the Object

Buy					
• ,	Field label Data type				
	Field label	Data type			
	Annual amount	Text(25)			
	Buy	Picklist (Multi-Select)			
	Buy name	Text(80)			
	city	Picklist (Multi-Select)			
	Discount	Percent(18, 0)			
	State	Picklist (Multi-Select)			
Loan					
	Field label	Data type			
	Annual loan	Number(7, 0)			
	Interest rate	Currency(7, 2)			
	Loan amount	Formula (Currency)			
	Loan Id	Auto Number			
	Loan Name	Text(80)			
	Loan Repayment	Number(7, 0)			
	Term	Number(5, 0)			
	Total Loan Installments	Number(18, 0)			
Rent					
	Field Label	Data type			
	BHK type	Picklist (Multi-Select)			
	Rent	Auto Number			
	Rent name	Text(80)			
	Rental city	Text(7)			
	•				

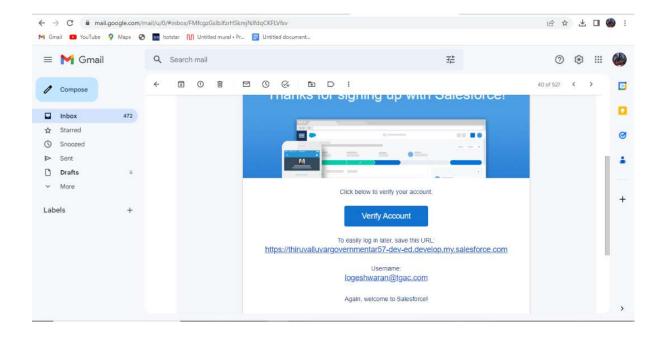
3.2 Activity & Screenshot

Milestone 1-Salesforce

Activity1: Creating Developer Account:

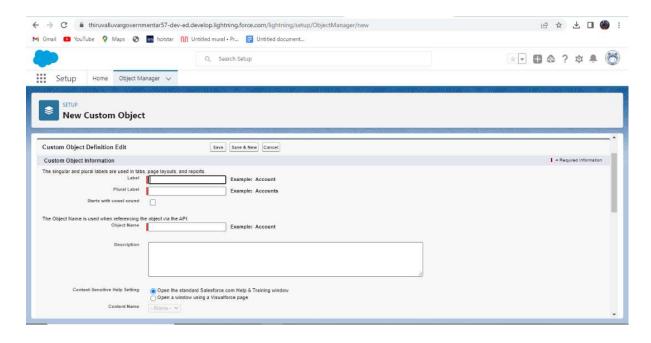


Activity 2: Account Activation

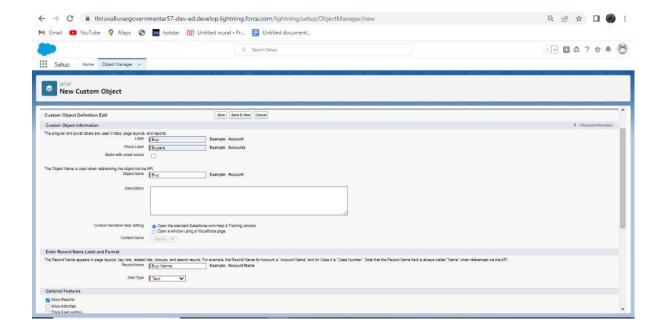


Milestone 2- Object

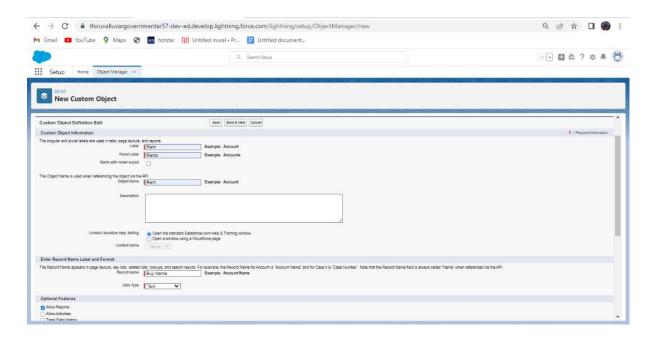
Activity 1: Objects - To Navigate to setup page:



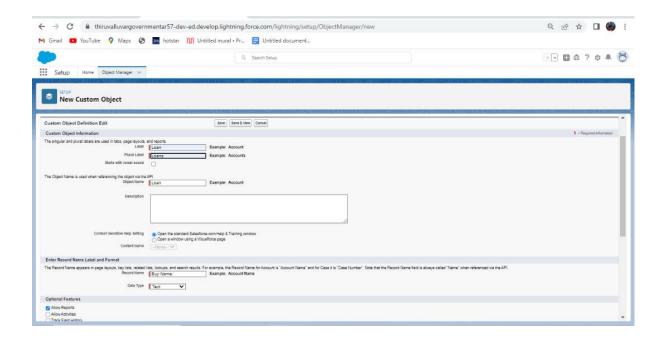
Activity 2: Create Object Buy



Activity 2: Create Object Rent

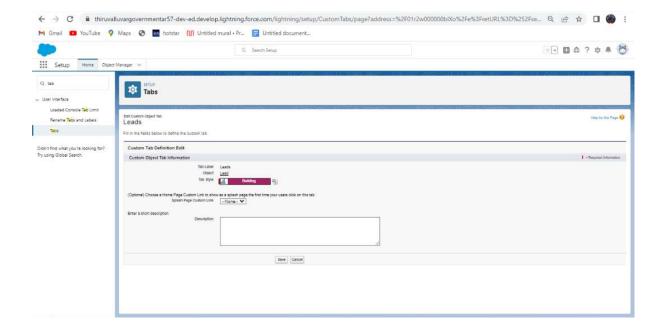


Activity 2: Create Object Loan

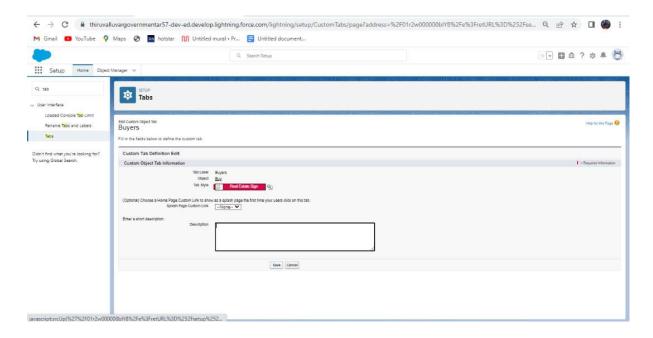


Milestone 3: Tab

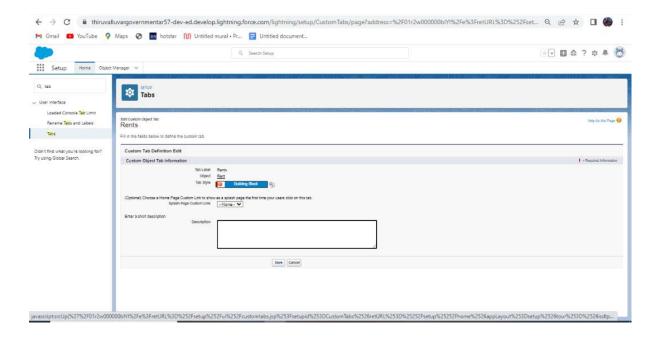
Activity 1: To create a Tab (Lead)



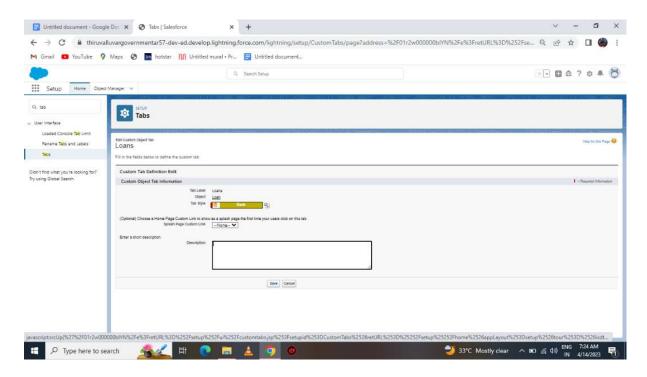
Activity 2: To create a Tab (Buy)



Activity 3: To create a Tab (Rent)

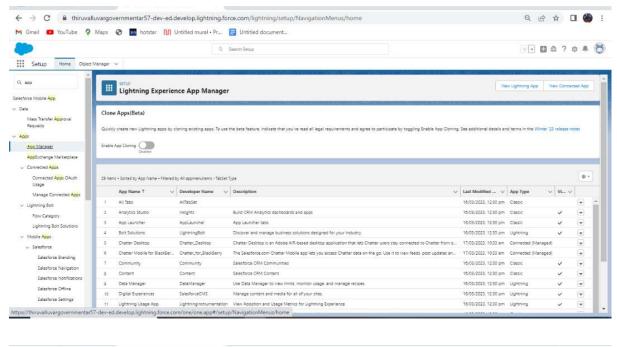


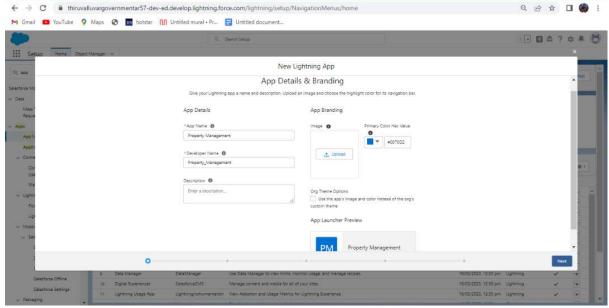
Activity 4: To create a Tab (Loan)

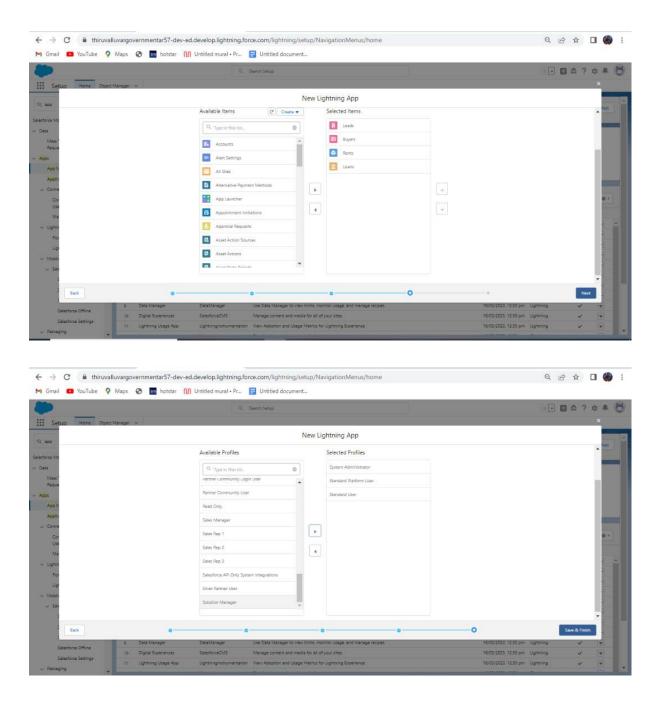


Milestone 4: The Lightning App

Activity 1: Create the Lightning App

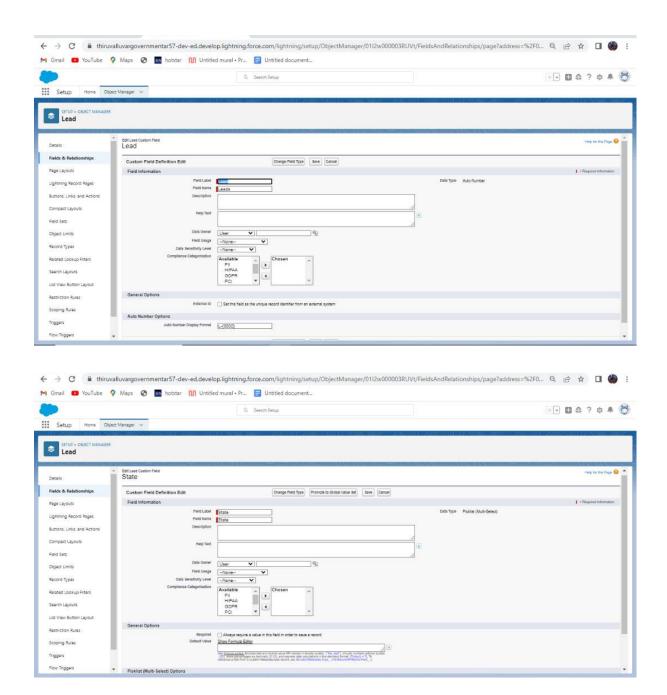


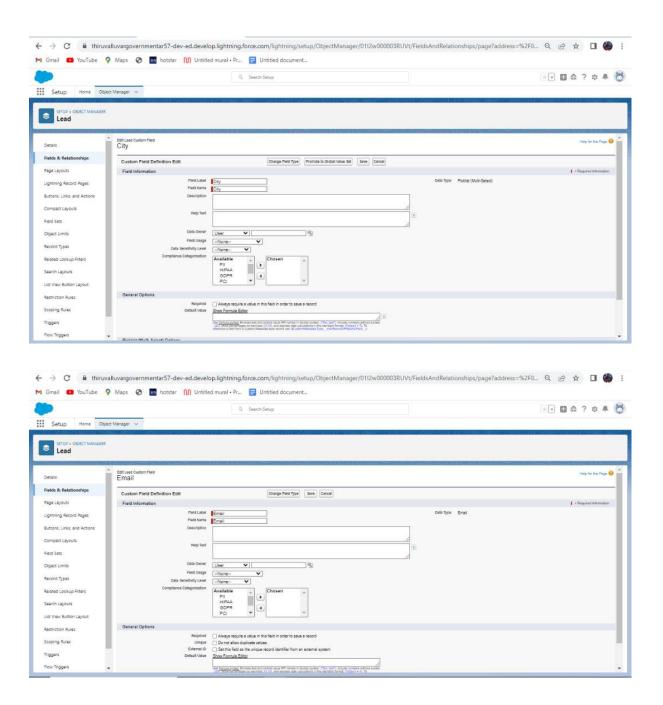


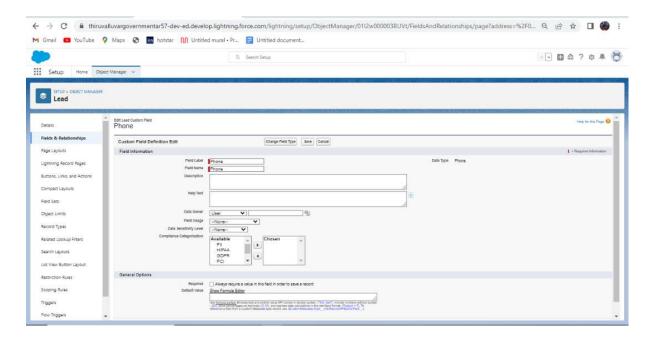


Milestone 5 : Fields

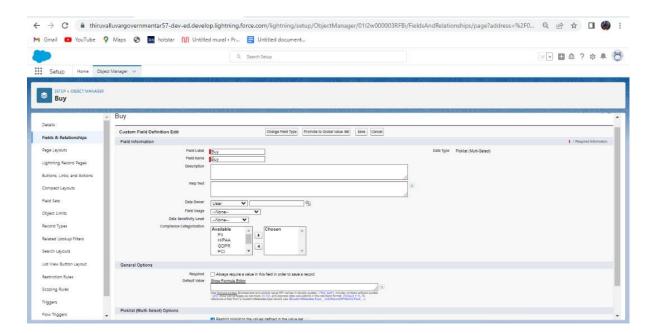
Activity 1: Create the Lead Field

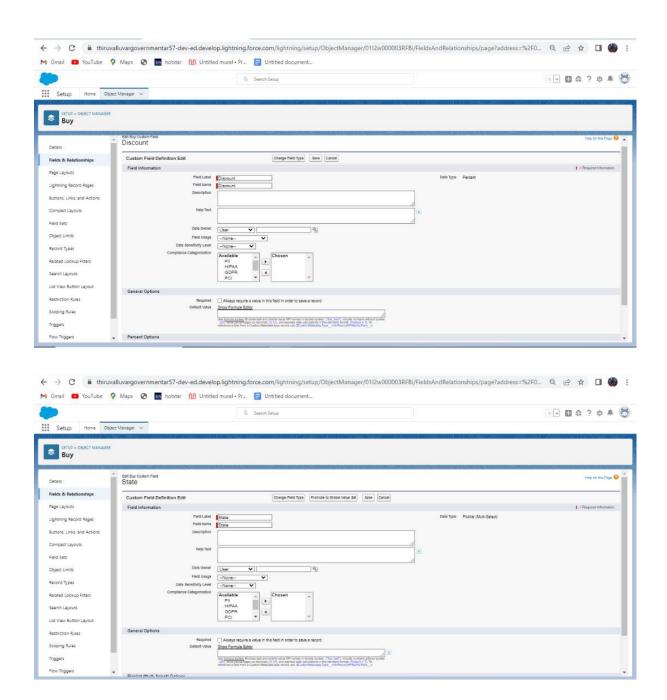


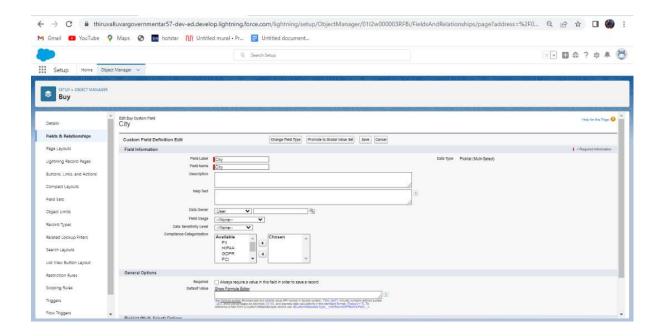




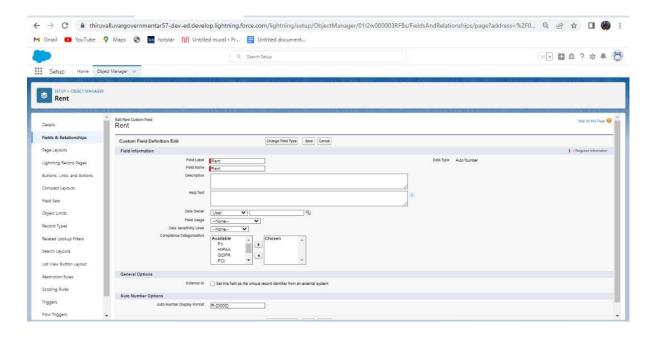
Activity 2: Create Field for Buy

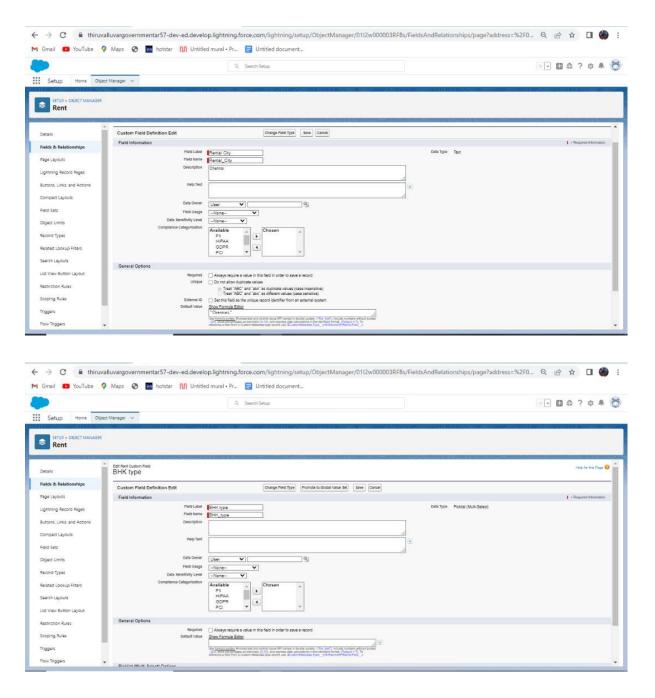




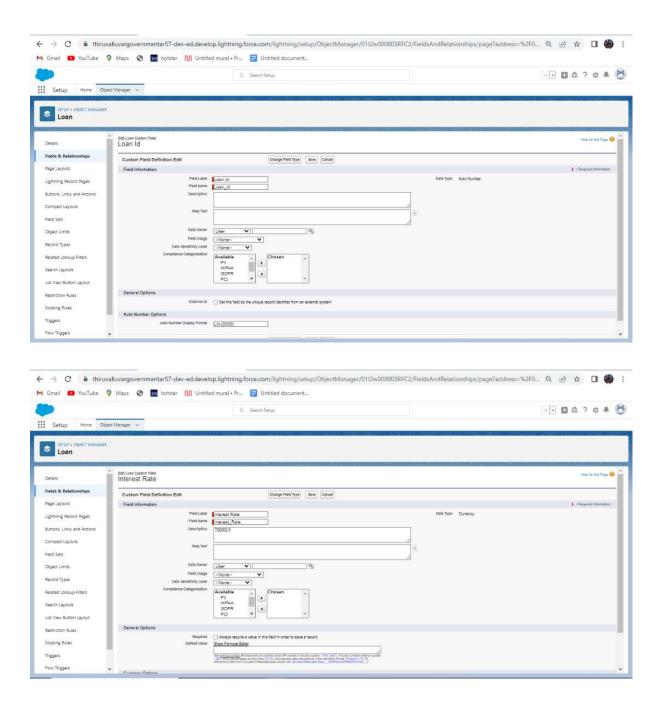


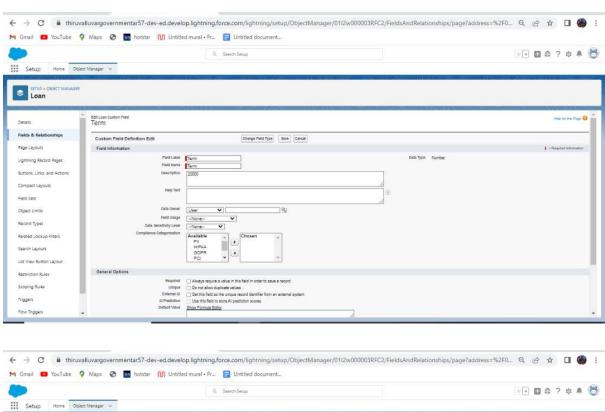
Activity 3: Create Field for Rent

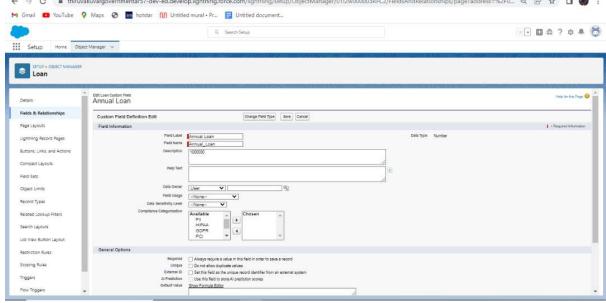


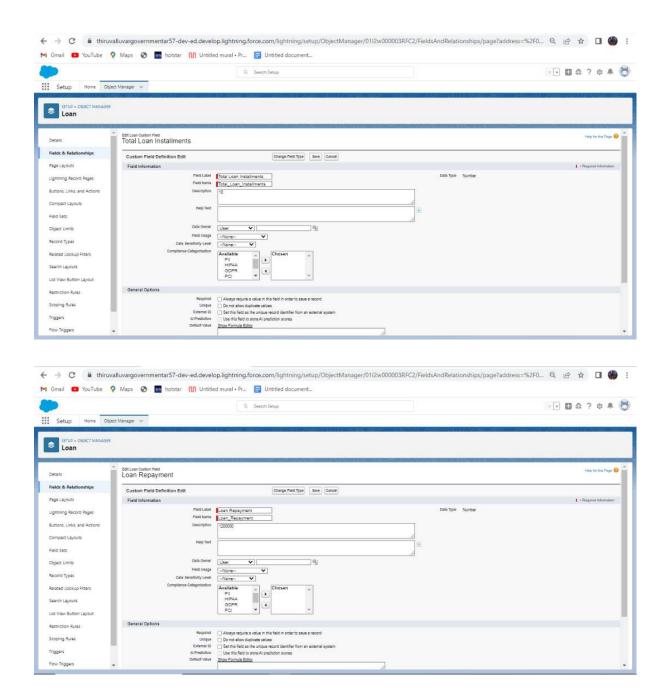


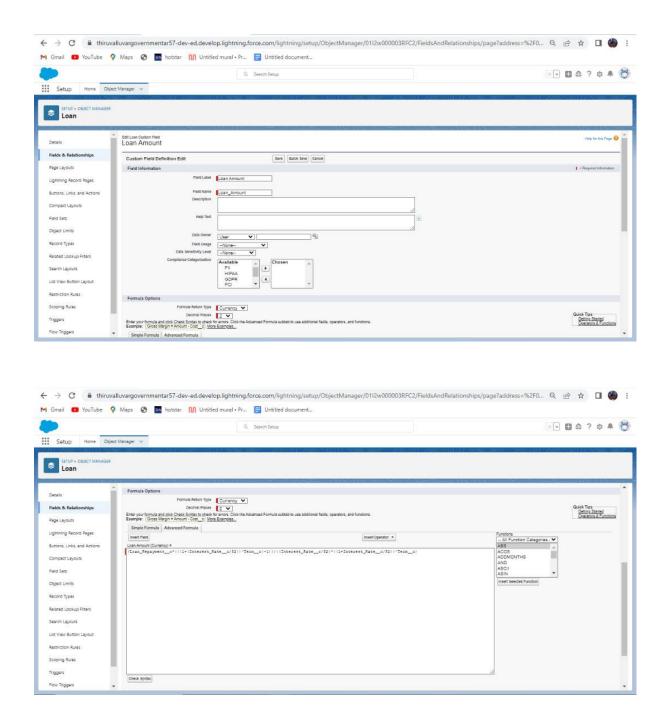
Activity 4: Create Field for Loan





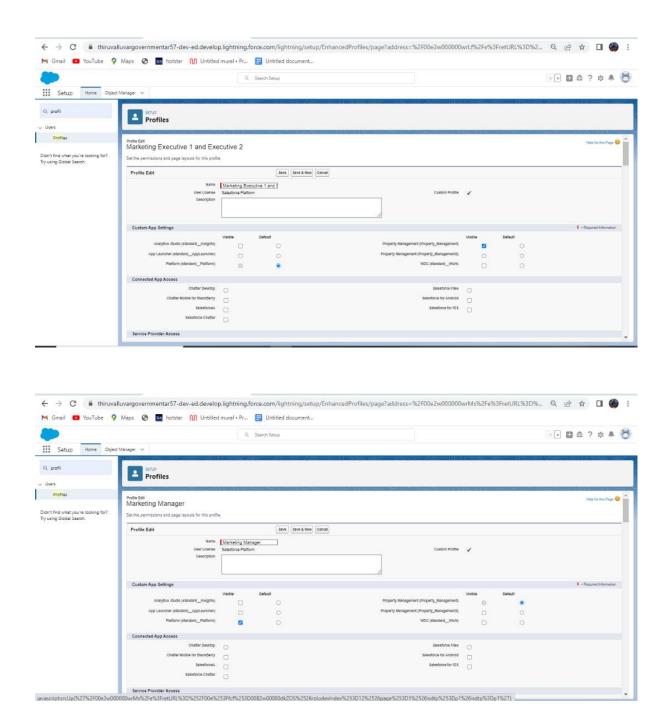




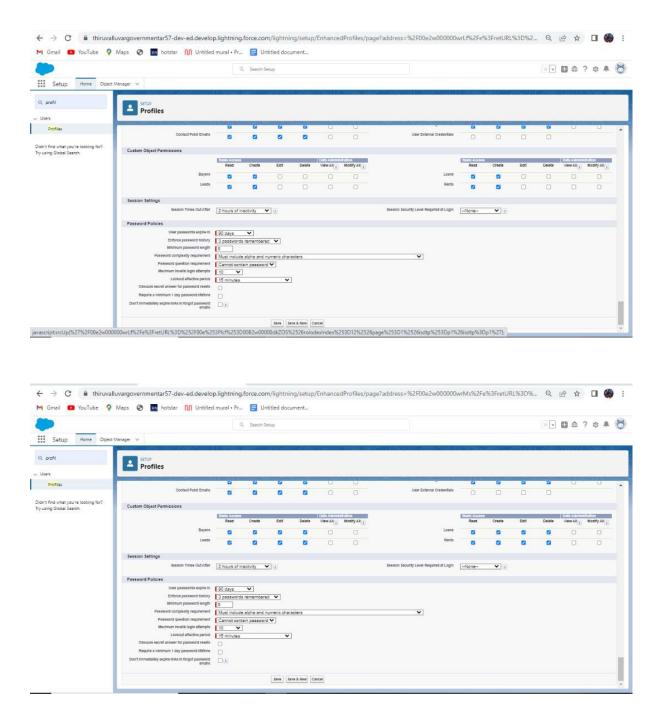


Milestone 6: Profile

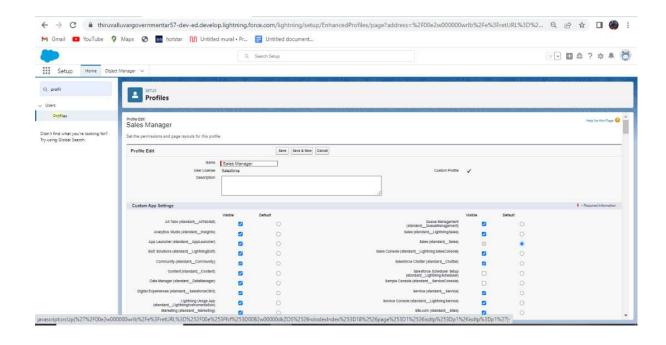
Activity 1: To create a new profile

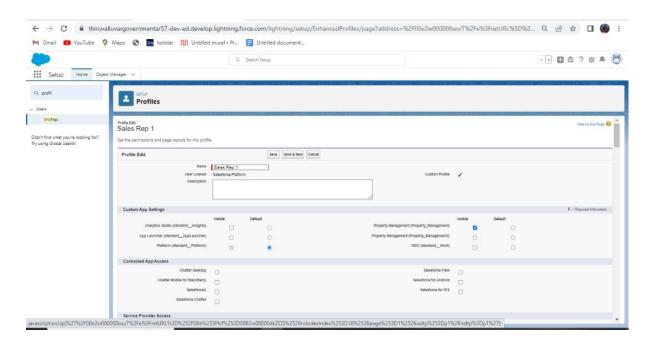


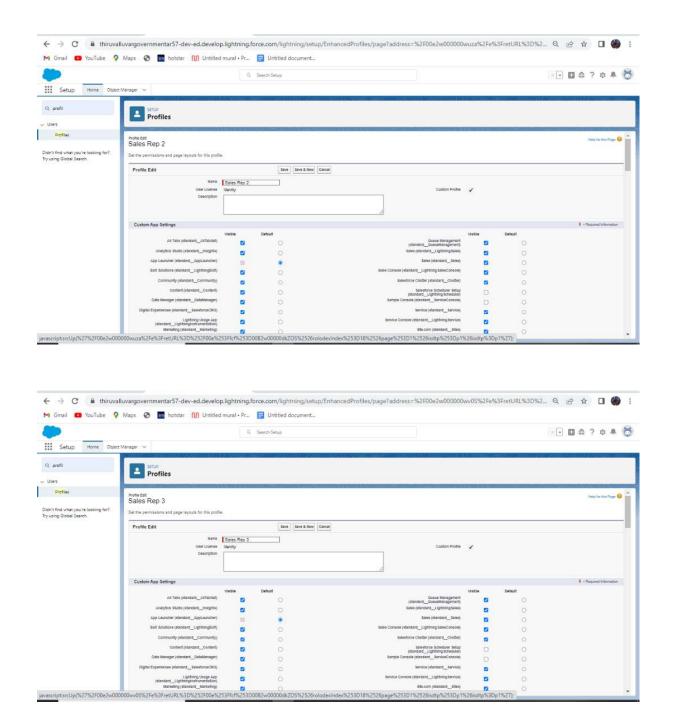
Activity 2: Create Marketing



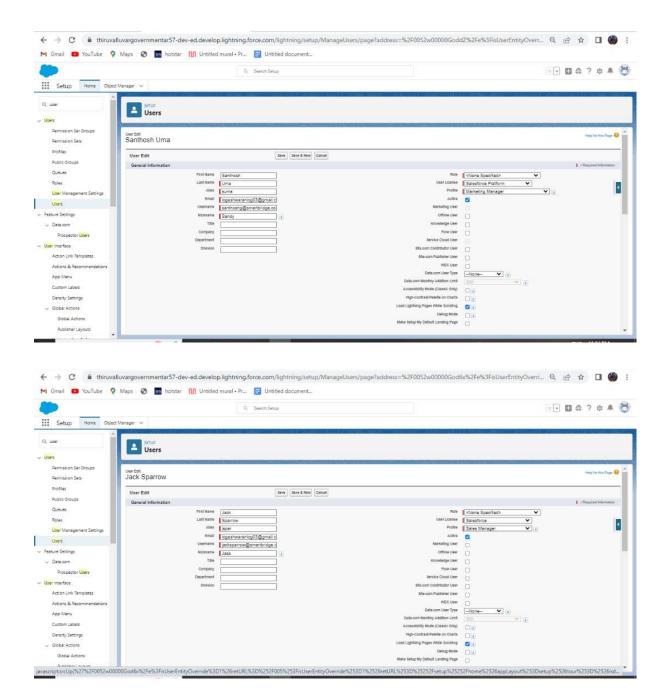
Activity 3: Sales

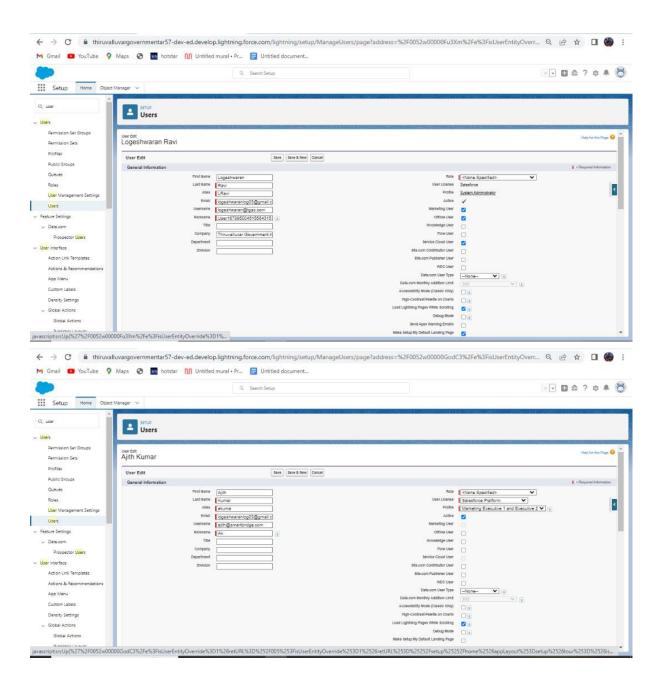


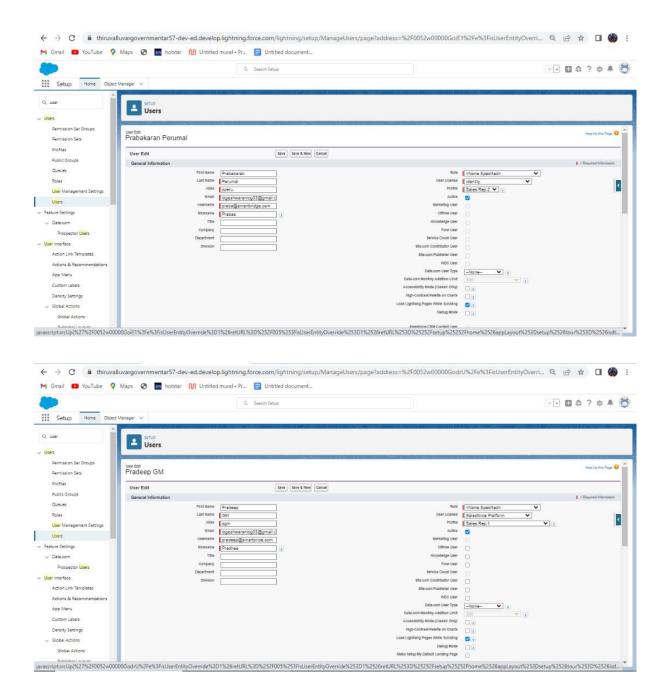


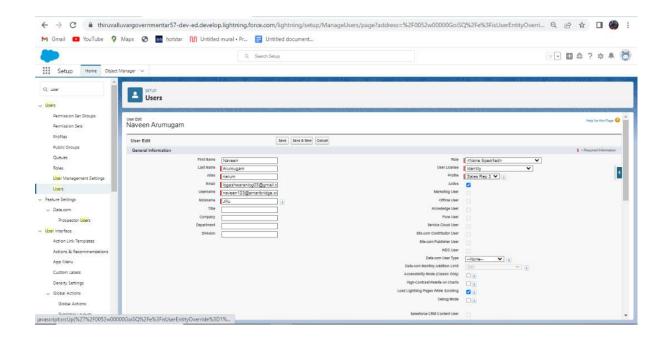


Milestone 7: New User



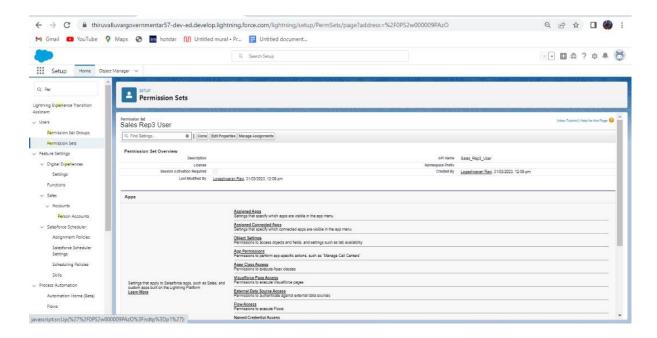


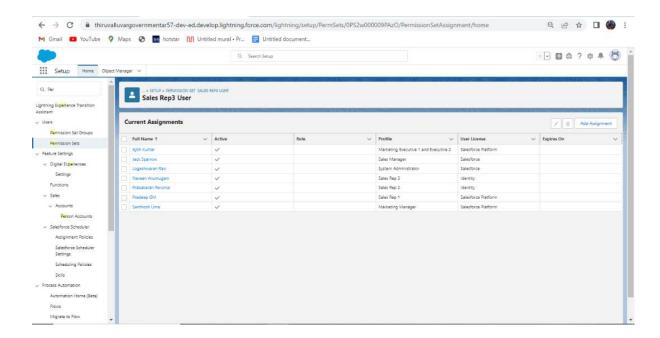




Milestone 8: Permission Set

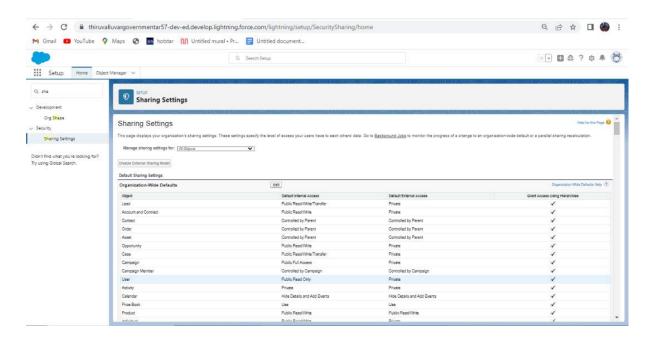
Activity 1: Create the Permission Sets

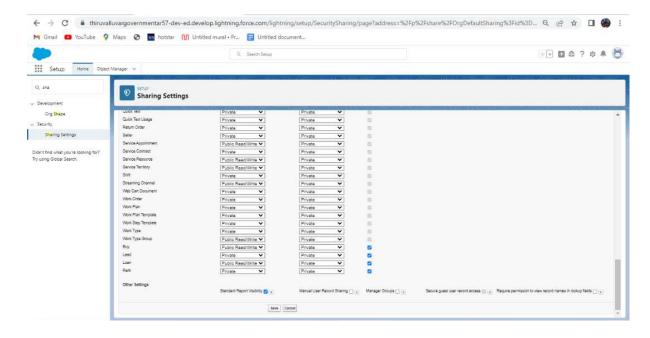




Milestone 9: Setup for OWD

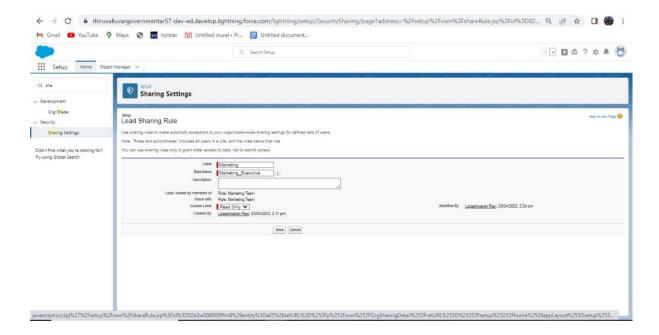
Activity 1: Create OWD Setting



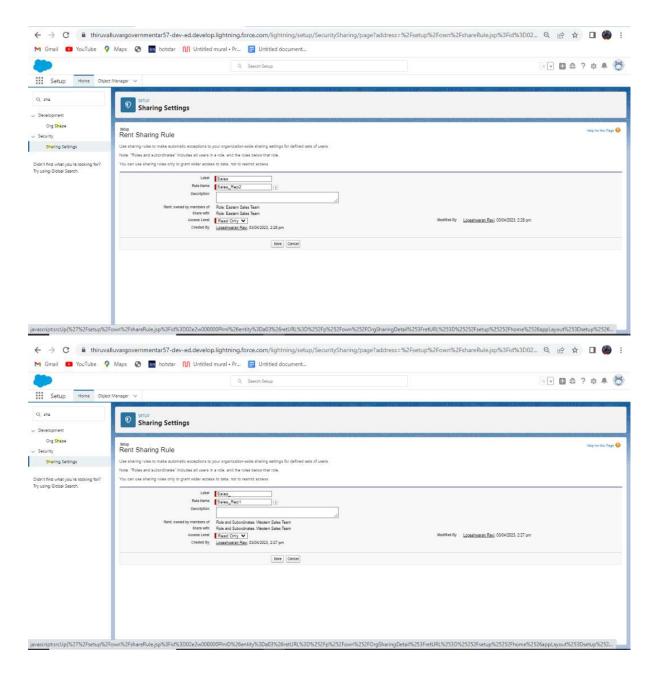


Activity 2:

Marketing:

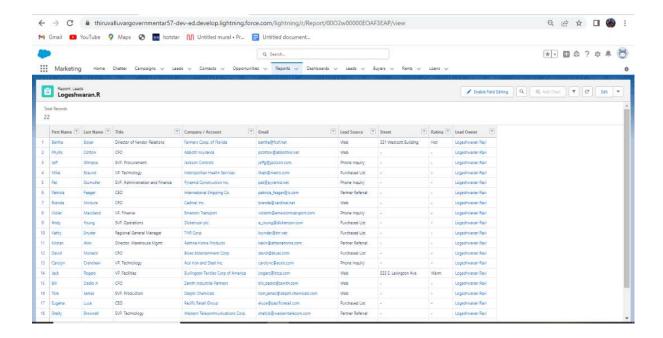


Sales:



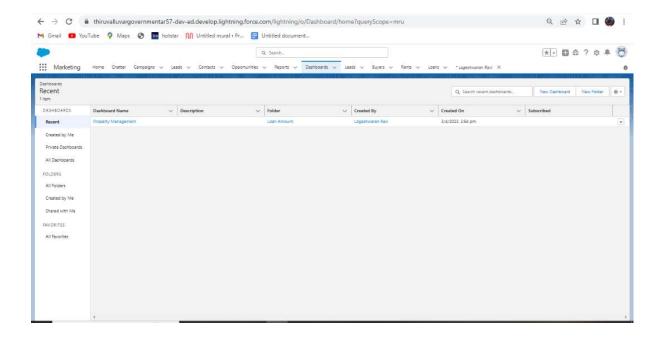
Milestone 10: Report

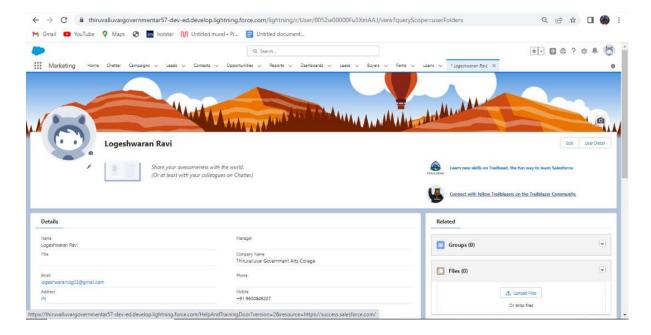
Activity 1: Create Report



Milestone 11: Dashboards

Activity 1: Create Dashboards





4. Trailhead Profile Public URL

Team Lead - https://trailblazer.me/id/lravi48

Team Member 1- https://trailblazer.me/id/prabp16

Team Member 2- https://trailblazer.me/id/navea19

Team Member 3- https://trailblazer.me/id/nvengateswaralu

5. ADVANTAGES & DISADVANTAGE

Advantages of Property Management Applications:

- Automation: Property management applications automate many tasks, which can save property managers time and money. For example, rent collection and lease tracking can be automated, which eliminates the need for manual data entry and can reduce the risk of errors.
- 2. Efficiency: By automating routine tasks and providing easy access to important information, property management applications can help property managers stay organized and efficient. This can help property managers to focus on more strategic tasks that require human input, such as developing and implementing long-term plans for their properties.
- Tenant Experience: Many property management applications offer features
 that can improve the tenant experience, such as online rent payments and
 maintenance request tracking. These features can make it easier for tenants
 to communicate with their property managers and stay up-to-date on
 important information.
- 4. Flexibility: Many property management applications are cloud-based, which means that users can access them from any device with an internet

connection. This is particularly helpful for property managers who are constantly on the go and need to access information from multiple locations.

Disadvantages of Property Management Applications:

- Cost: Property management applications can be expensive, especially for small property management companies or landlords who manage a few properties.
- Learning Curve: Property management applications can be complex, and it
 may take some time to learn how to use them effectively. This can be a
 disadvantage for property managers who are not tech-savvy or who do not
 have the time to learn a new software system.
- Technical Issues: Like any software system, property management applications can experience technical issues, such as downtime or software bugs. These issues can be frustrating for property managers and can disrupt their workflow.
- 4. Security Concerns: Property management applications often store sensitive data, such as tenant information and financial data. As a result, security concerns can arise if the application is not properly secured or if the data is not properly encrypted.

Overall, property management applications have many advantages that can benefit property managers and landlords. However, it's important to consider the potential disadvantages before implementing a property management application, and to choose a solution that fits your specific needs and budget.

6. APPLICATIONS

There are many property management applications available on the market, each with its own unique features and capabilities. Here are some examples of popular property management applications:

- Buildium: Buildium is a cloud-based property management application that
 offers features such as rent collection, lease tracking, maintenance
 management, tenant communication, and accounting functions. It is designed
 for property managers who manage both residential and commercial
 properties.
- 2. Appfolio: Appfolio is a cloud-based property management application that offers features such as online rent collection, tenant screening, lease tracking, maintenance management, and accounting functions. It is designed for property managers who manage both residential and commercial properties.

 Rent Manager: Rent Manager is a cloud-based property management application that offers features such as rent collection, lease tracking, maintenance management, tenant communication, and accounting functions. It is designed for property managers who manage both residential and commercial properties.

These are just a few examples of the many property management applications available. It's important to research and compare different applications to determine which one best fits your specific needs and budget.

7. CONCLUSION

In conclusion, property management applications have become an essential tool for property managers and landlords to manage their rental properties more efficiently. These applications automate many aspects of property management, which can save property managers time and money, and improve the tenant experience.

While there are some potential disadvantages to using property management applications, such as cost, learning curve, technical issues, and security concerns, the advantages of these applications often outweigh the disadvantages. Popular property management applications such as Buildium, Appfolio, Rent Manager, TenantCloud, and Propertyware offer a range of features and capabilities to suit the needs of different property managers and landlords.

Ultimately, choosing the right property management application can help property managers and landlords to be more organized, efficient, and effective, which can lead to better outcomes for both themselves and their tenants.

8. FUTURE SCOPE

The future scope of property management applications is bright, as the industry continues to evolve and technology advances. Here are some potential trends and developments to look out for in the future:

- Increased Automation: As artificial intelligence and machine learning continue
 to improve, property management applications may become even more
 automated, with the ability to predict maintenance needs, optimize rental
 rates, and streamline communication with tenants.
- 2. Integration with Smart Home Technology: Smart home technology is becoming increasingly popular, and property management applications may

- begin to integrate with these technologies, allowing property managers to monitor and control various aspects of their properties remotely.
- 3. Enhanced Mobile Functionality: As more property managers work remotely or on-the-go, property management applications may continue to enhance their mobile functionality, with features that allow property managers to manage their properties from their smartphones or tablets.
- 4. Blockchain Technology: Blockchain technology has the potential to revolutionize property management by providing a secure and transparent way to manage property transactions and data. In the future, property management applications may integrate blockchain technology to provide more secure and efficient property management services.
- 5. Environmental Sustainability: With an increasing focus on environmental sustainability, property management applications may begin to incorporate features that allow property managers to monitor and optimize their properties' energy usage, water usage, and other environmental impacts.

Overall, the future scope of property management applications is exciting, with the potential to improve efficiency, sustainability, and tenant experiences. As technology continues to advance, property managers and landlords will have access to increasingly sophisticated and innovative tools to help them manage their properties more effectively.