# Naan Mudhailvan Sailesforce Deveiloper(Course) 'Assignment no 1

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Year & Dep: 4th year & CSE

Batch: 2024

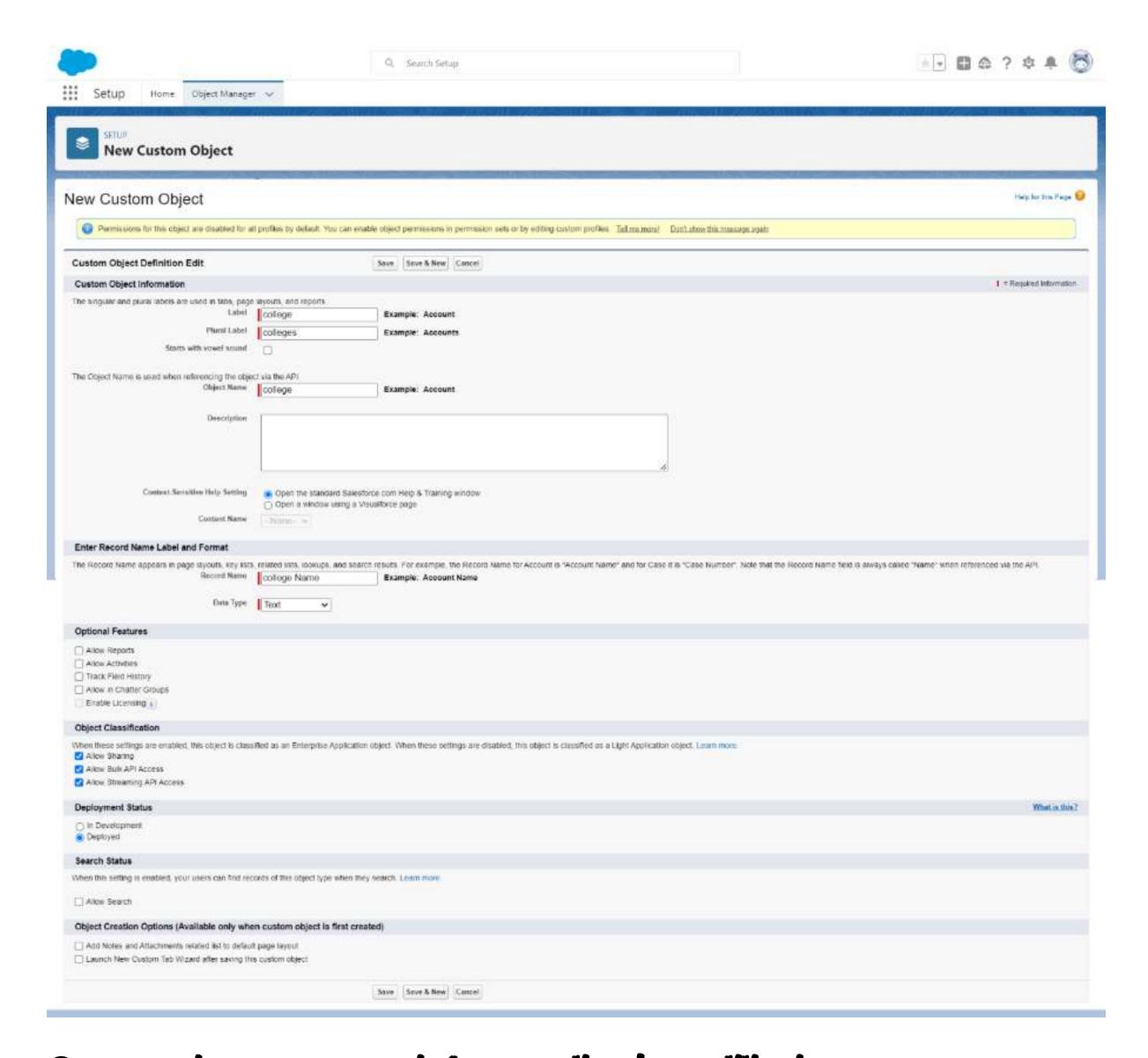
Zone no: Zone 8

1. Create a Master-Detail Relationship between two Custom objects and also create a Roll Up Summary Field to Calculate total number of records.

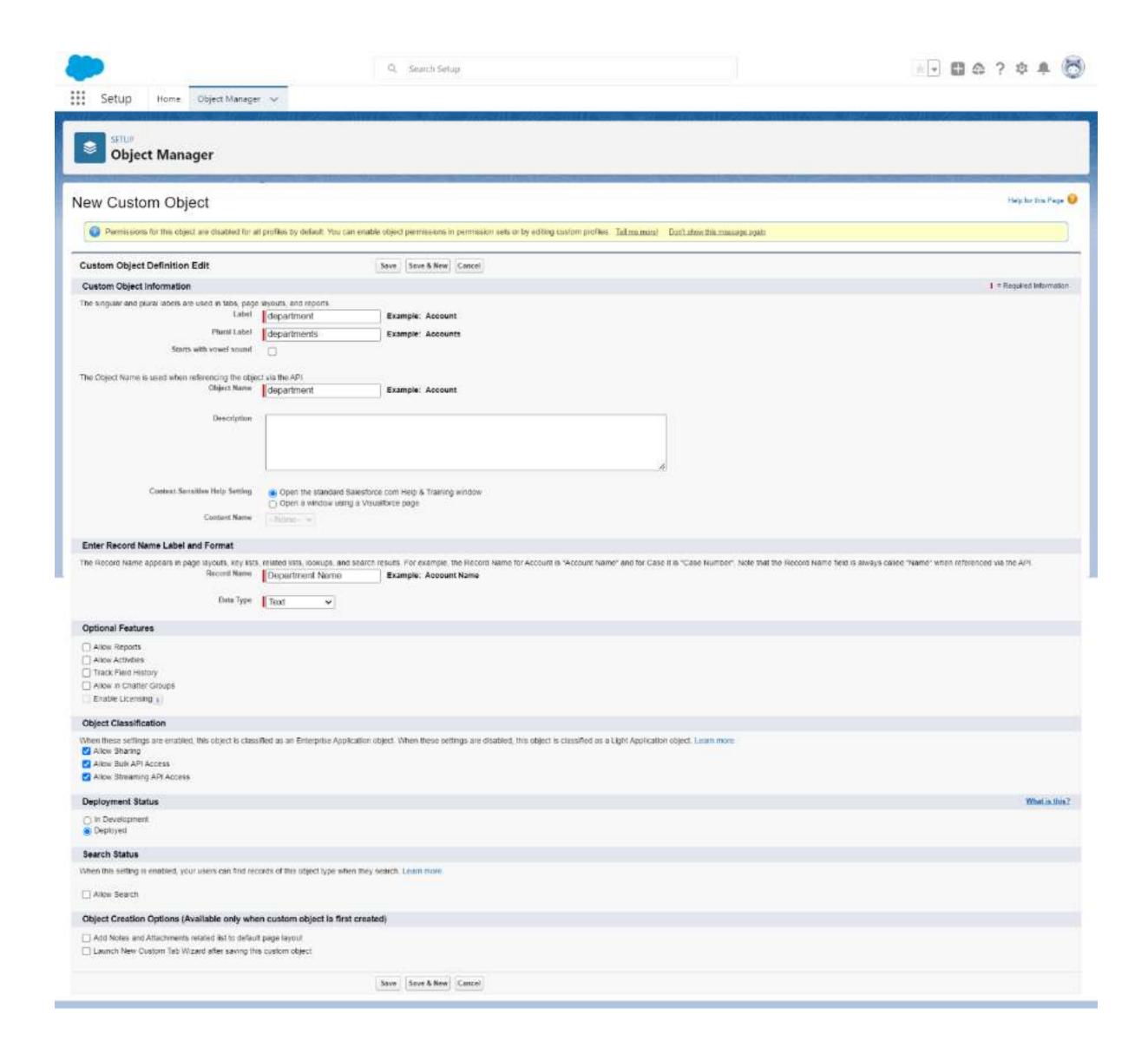
# Sølutiøn:

Step 1: Create Custom Objects

Assuming you have two custom objects, let's call them "College\_C" and "C Department\_C". If you haven't already created these objects, you can do so by going to Setup > Object Manager > Create > Custom Object.



Second custom objects, 'let's ca'll them "Department\_C"

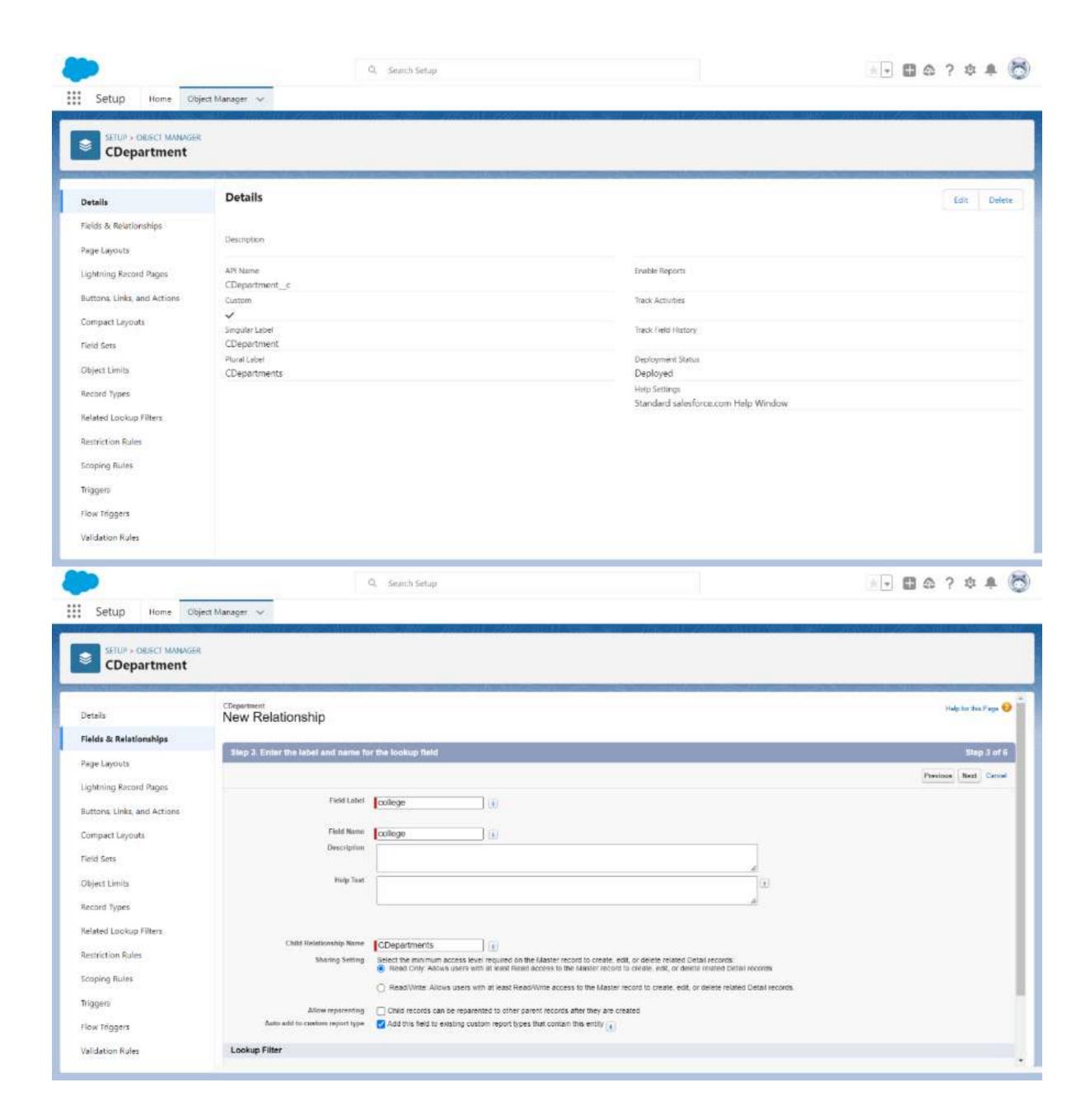


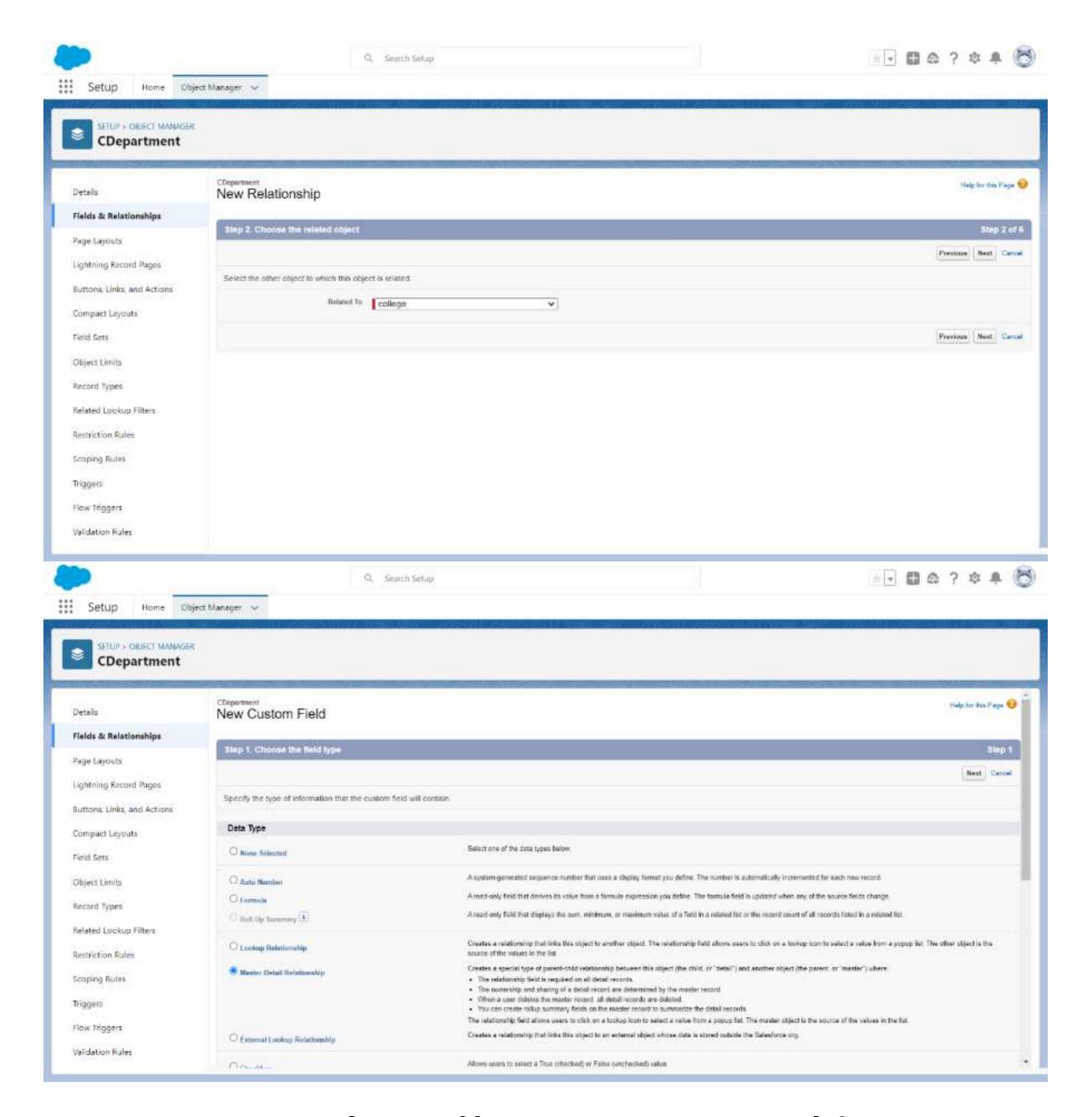
# Step 2: Create a Master-Detail Relationship

To create a Master-Detail relationship between these two custom objects, follow these steps:

- 1. Goto Setup > Object Manager.
- 2. Click on "College\_c" to open its settings.

- 3. In the left sidebar, click on "Fields & Relationships."
- 4. Click the "New" button to create a new custom field.
- 5. Choose "Master-Detail Relationship" as the data type.
- 6. Enter a label for the relationship, e.g.,Department \_\_c.
- 7. Chase Department\_c as the related bject.
- 8. Configure other settings as needed and click "Next."
- 9. Specify the field-level security and add it to relevant page layouts.
- 10. Click "Next" and "Save" to create the relationship.



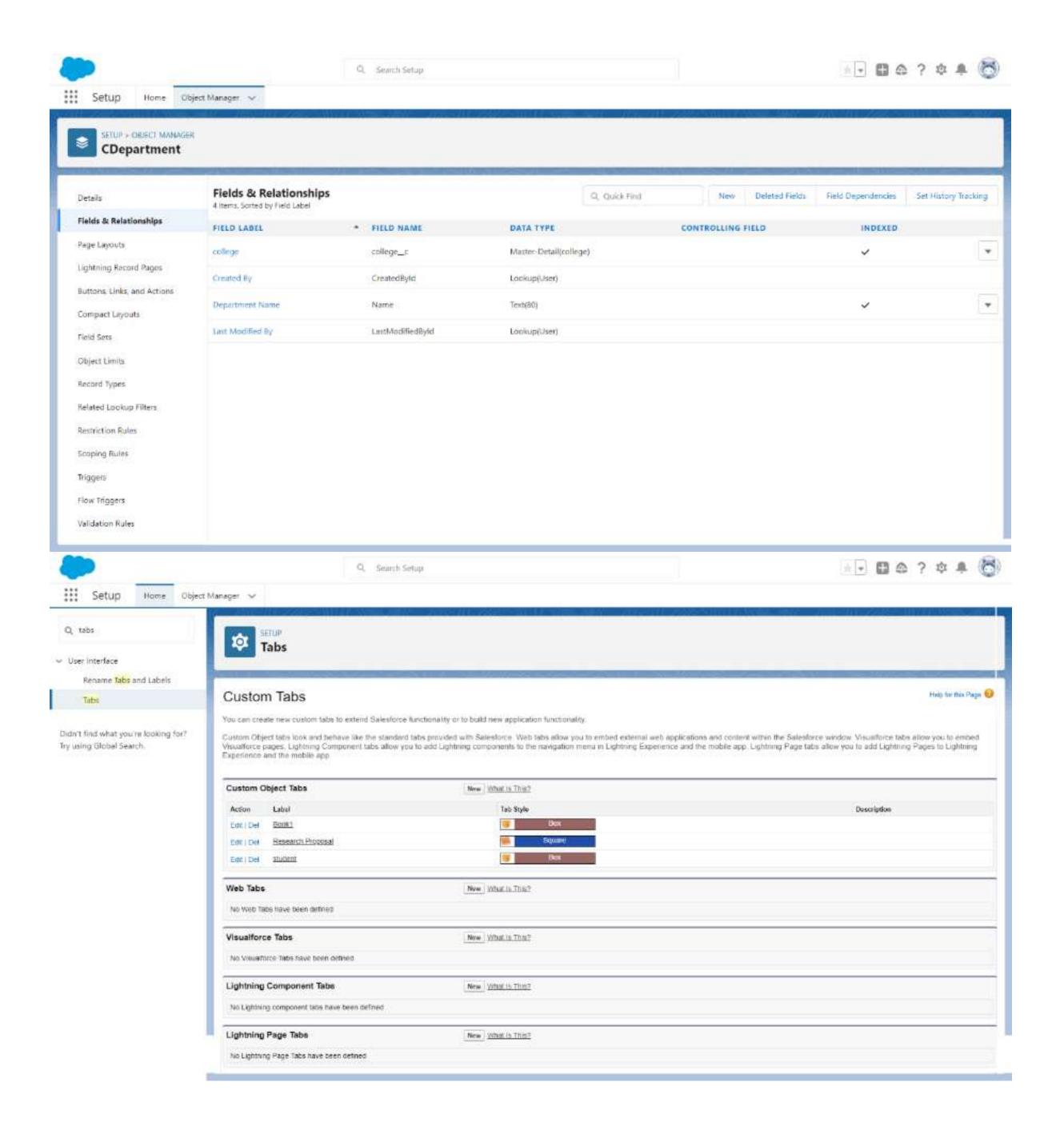


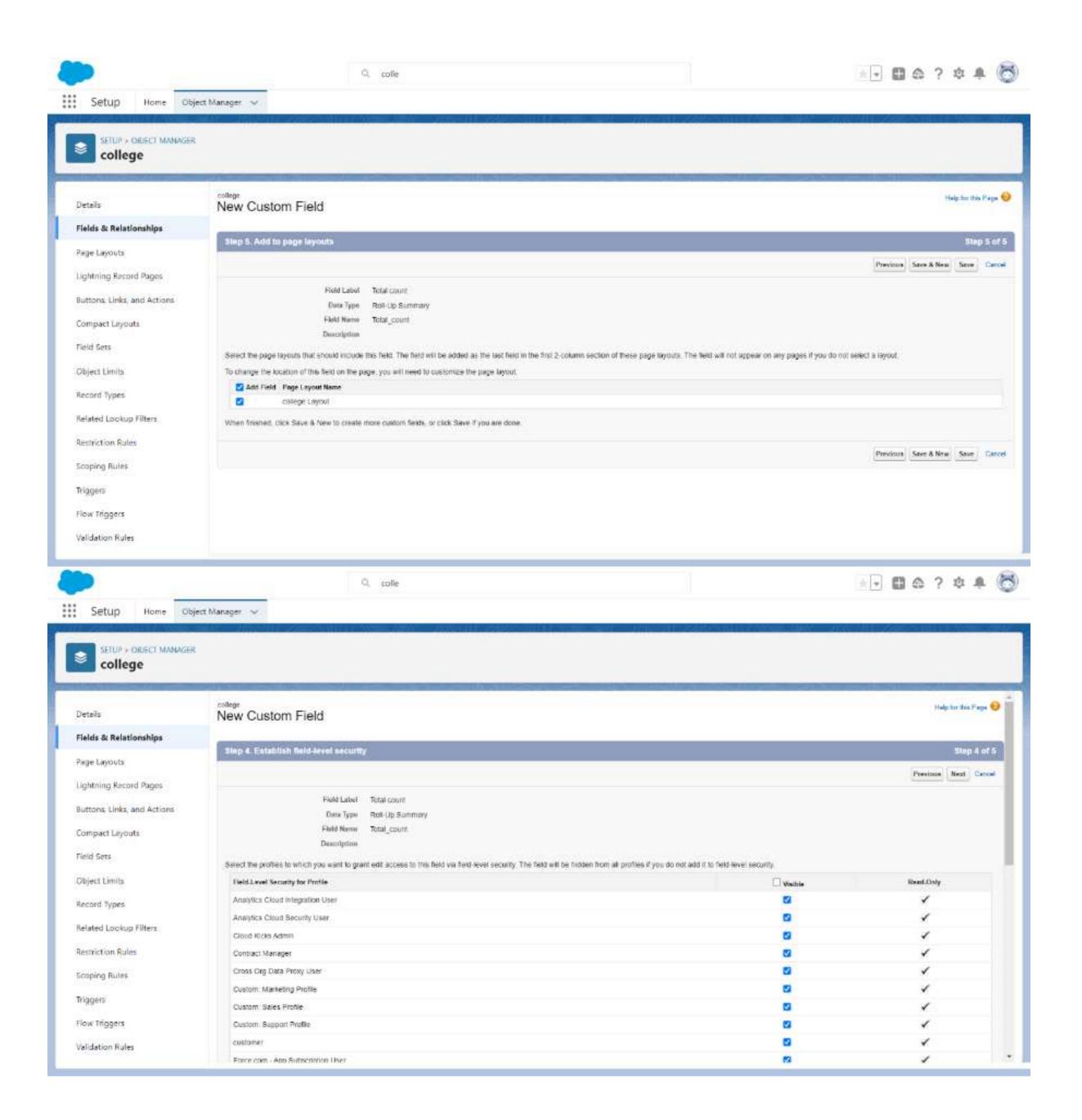
Step 3: Create the Rell-Up Summary Field

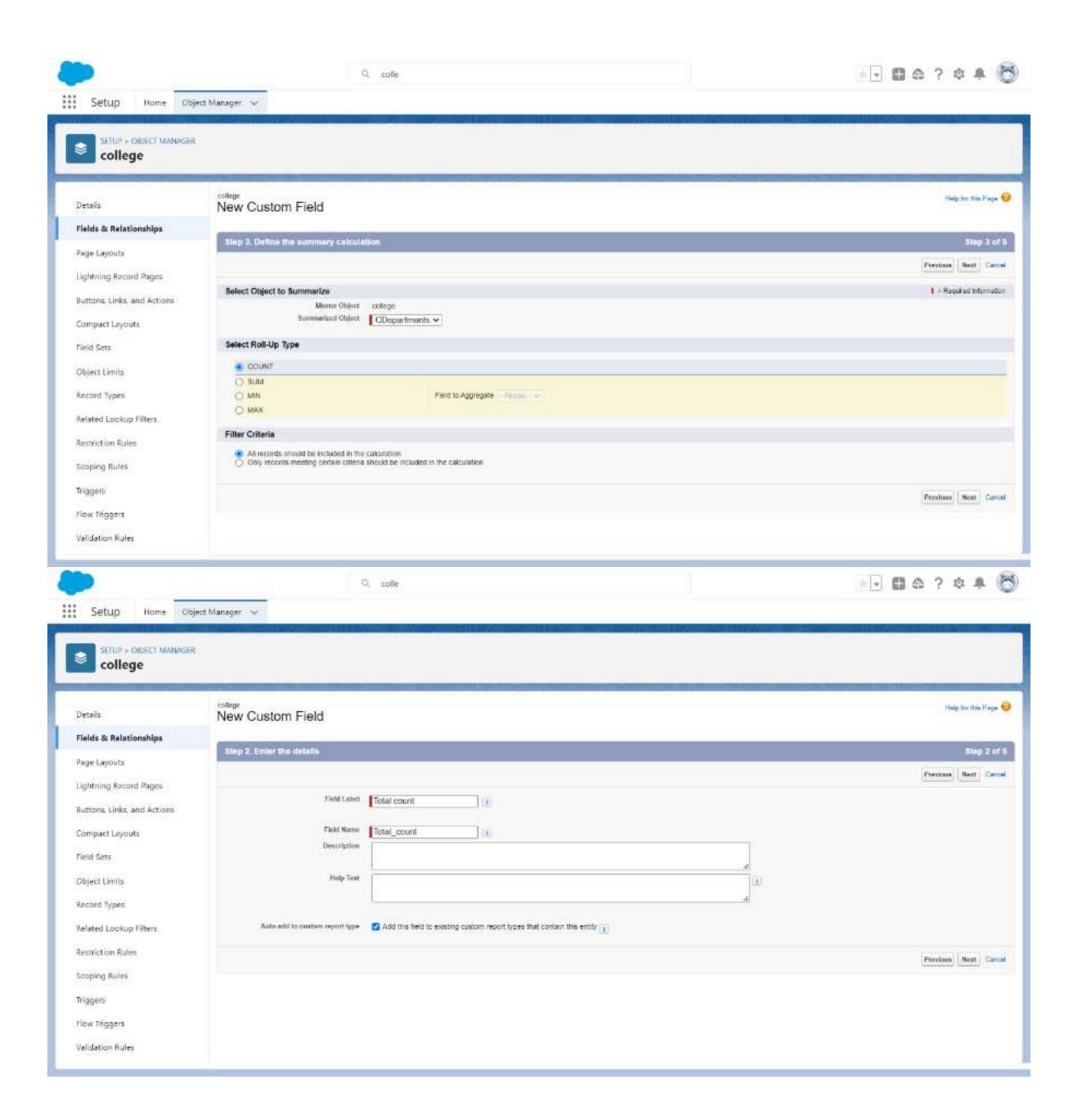
Now, let's create a Roll-Up Summary Field on the "College\_C" to calculate the total number of related records in "Department\_\_C":

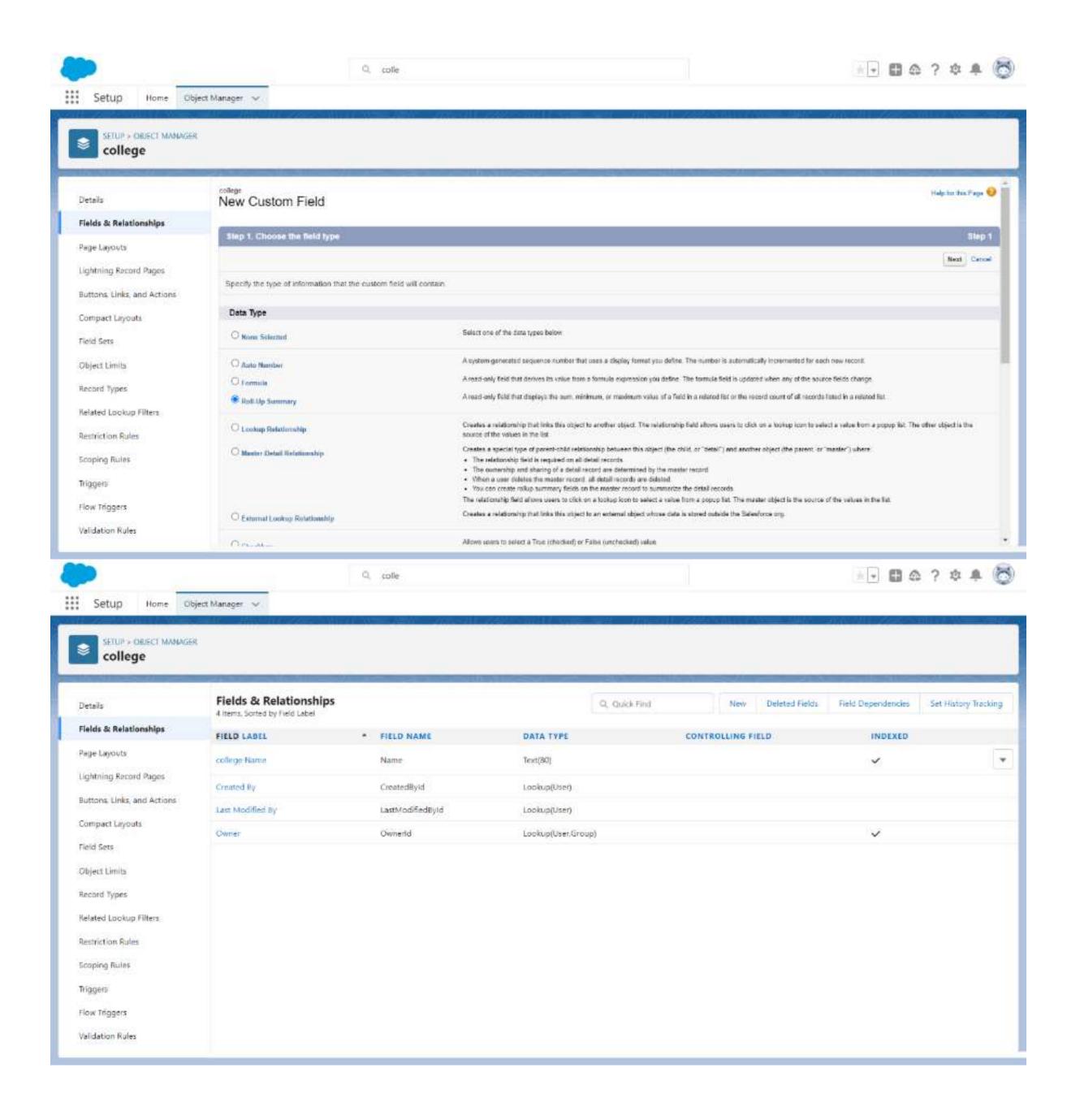
1. Still on the "College\_c" settings, go to "Fields & Relationships."

- 2. Click the "New" button to create a new custom field.
- 3. Charse "Raill-Up Summary" as the data type.
- 4. Enter a label for the field, e.g.,
- 5. Charse "Caunt" as the Raill-Up Type.
- 6. Select "Department\_c" as the object to roll up information from.
- 7. Specify the filter criteria if you want to filter the related records.
- 8. Configure other settings as needed and click "Next."
- 9. Specify the field-level security and add it to relevant page layouts.
- 10. Click "Next" and "Save" to create the Roll-Up Summary Field.





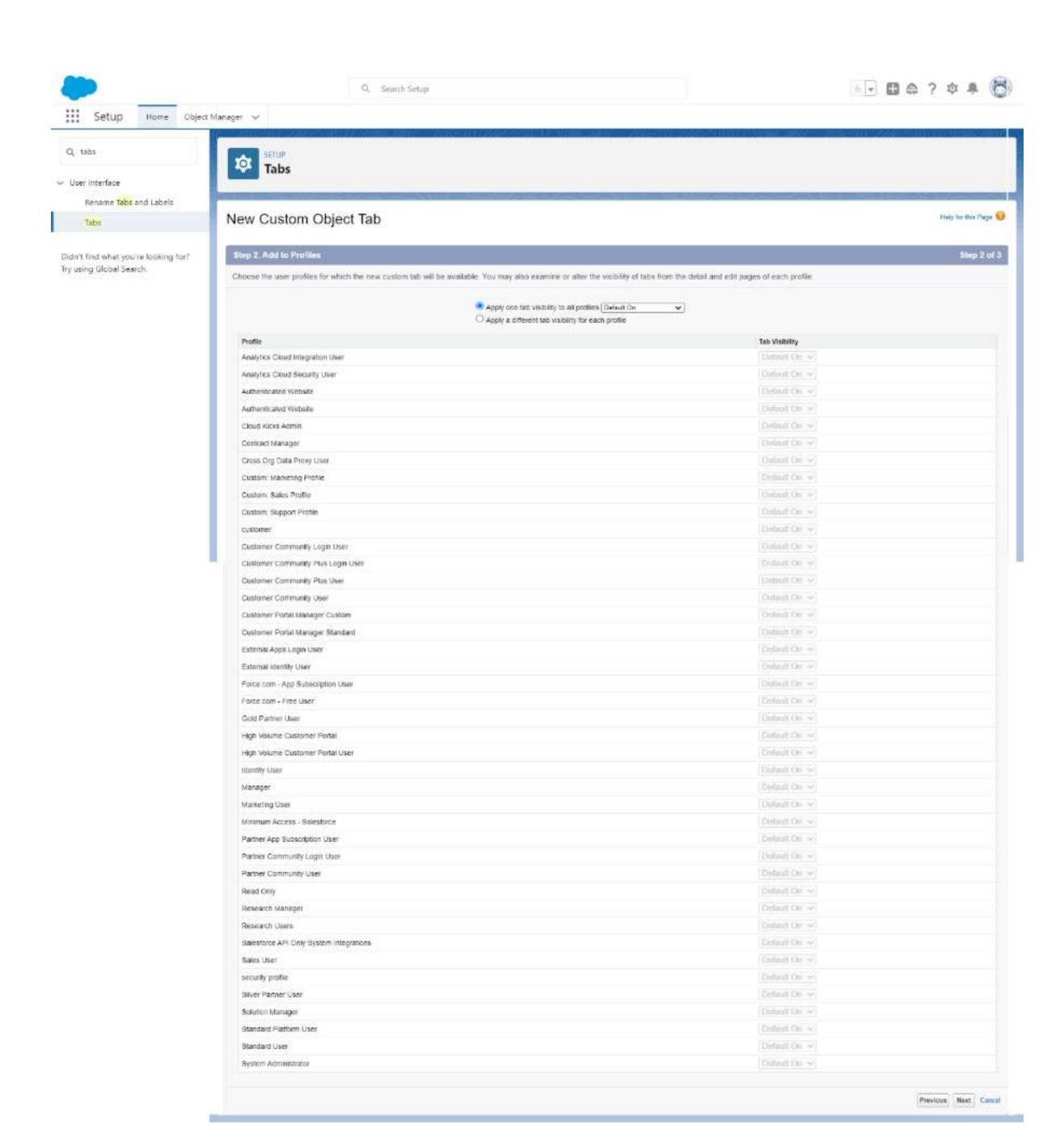


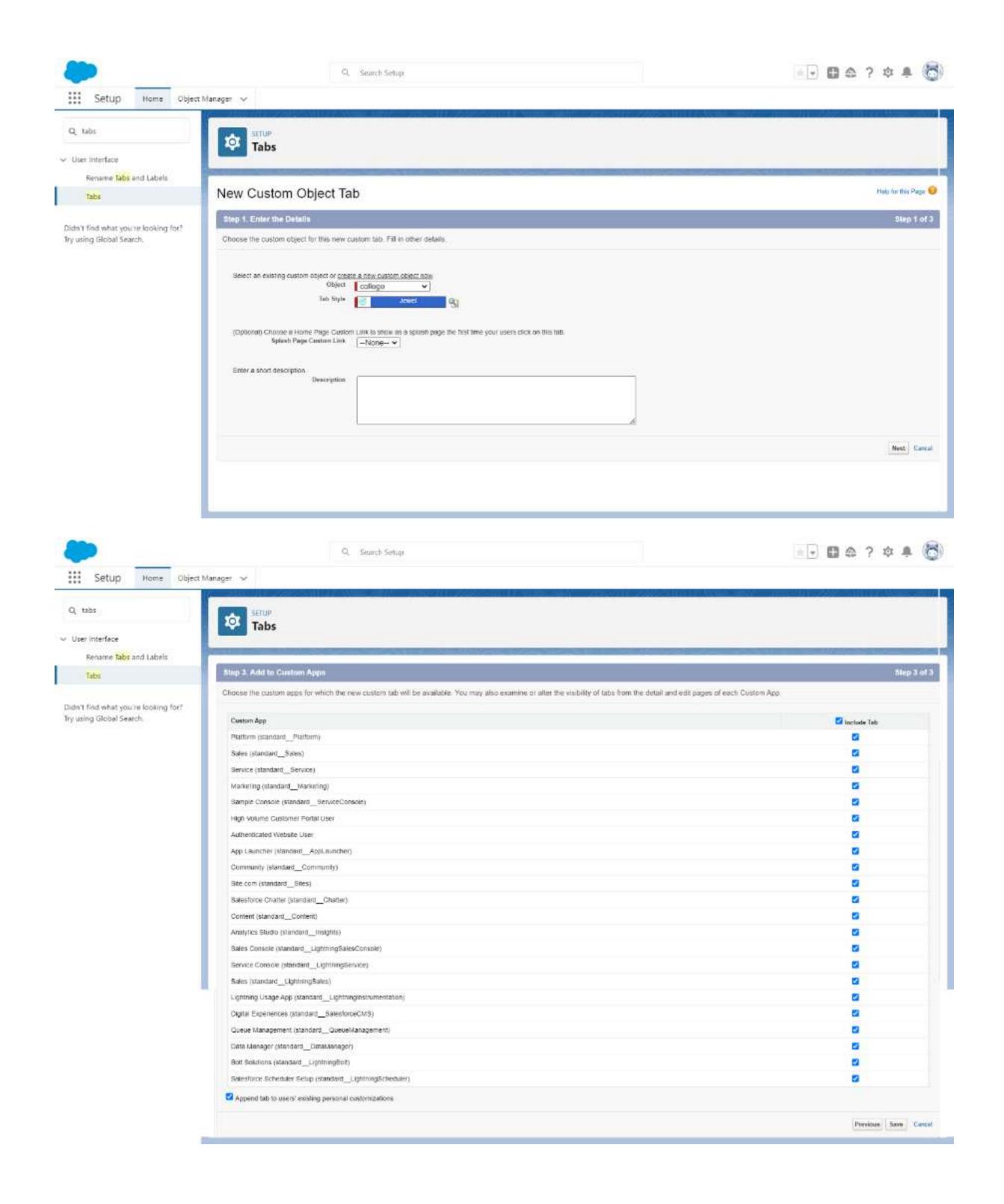


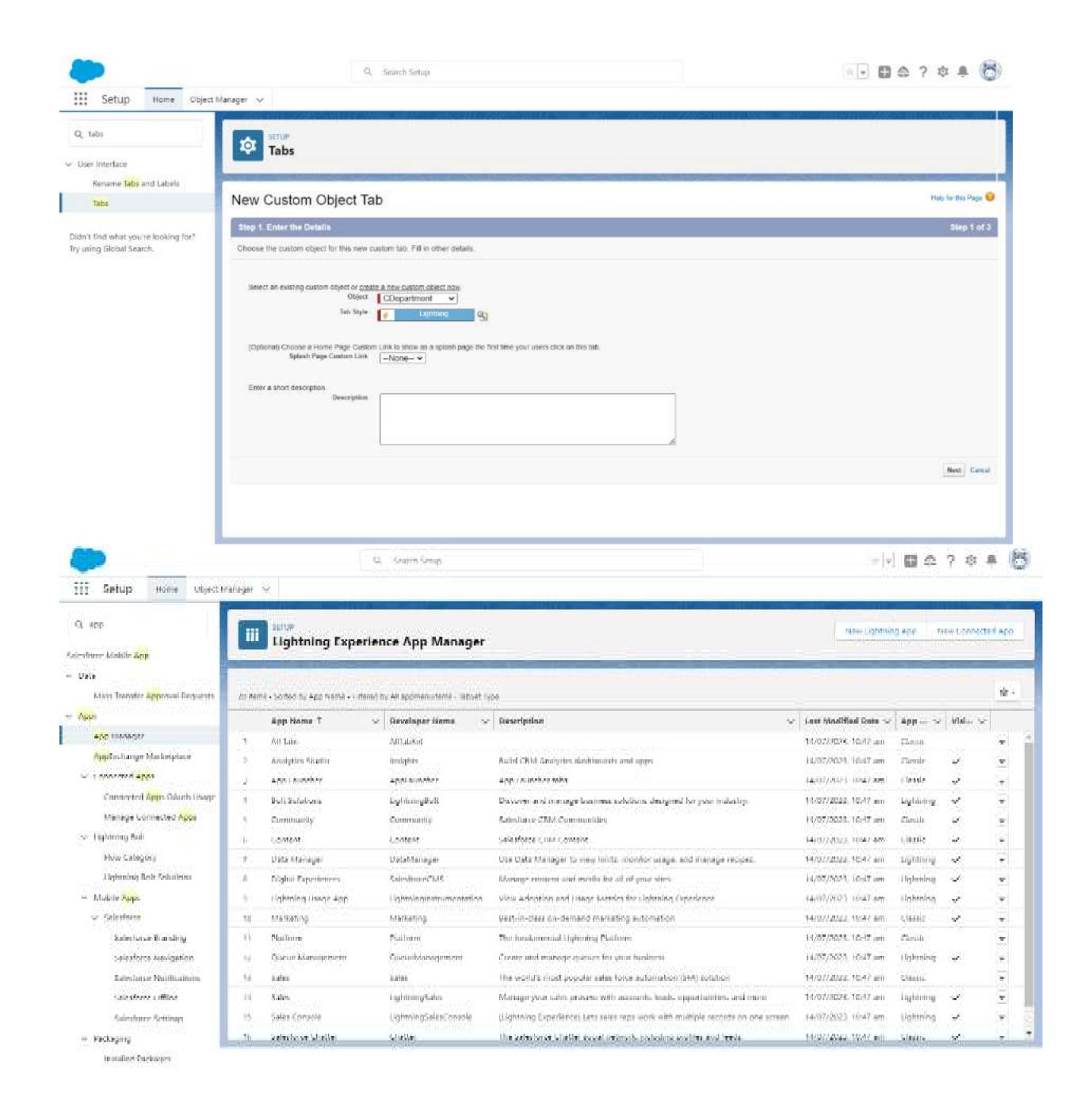
# Step 4: Create a Lightning App

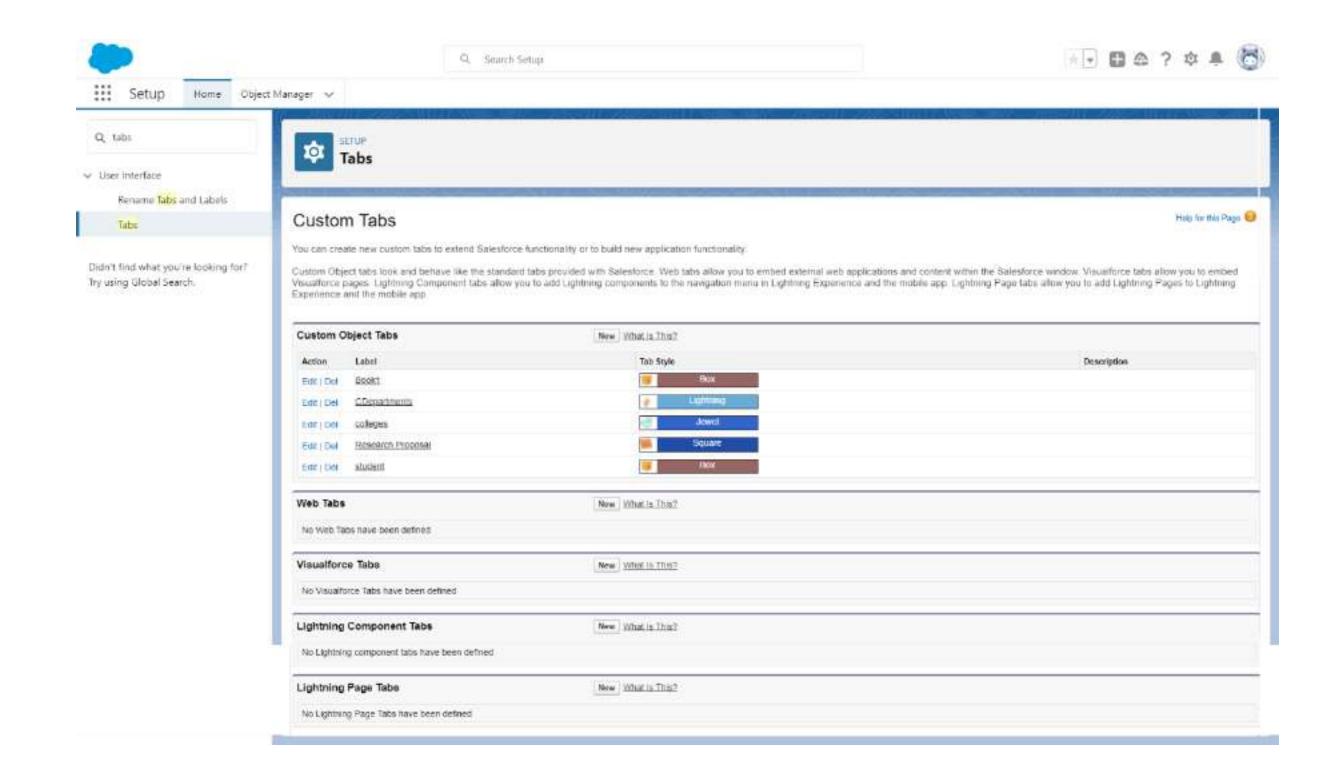
- 1. Type and select "App Manager."
- 2. Click "New Lightning App."
- 3. Fill in basic information (Name, Developer Name, Description).

- 4. Charse the App Type (Standard, Cansale, Custam).
- 5. Customize the Logo and Colour Scheme.
- 6. Configure Navigation Items (objects to appear in the app's menu).
- 7. Set the App Visibility (default access).
- 8. Pptimaïly, charse Recard Pages (Lightning Recard Pages).
- 9. Review and Save the app.
- 10. Assign the app to users or profiles.
  - 11. Fest the app with the assigned users.







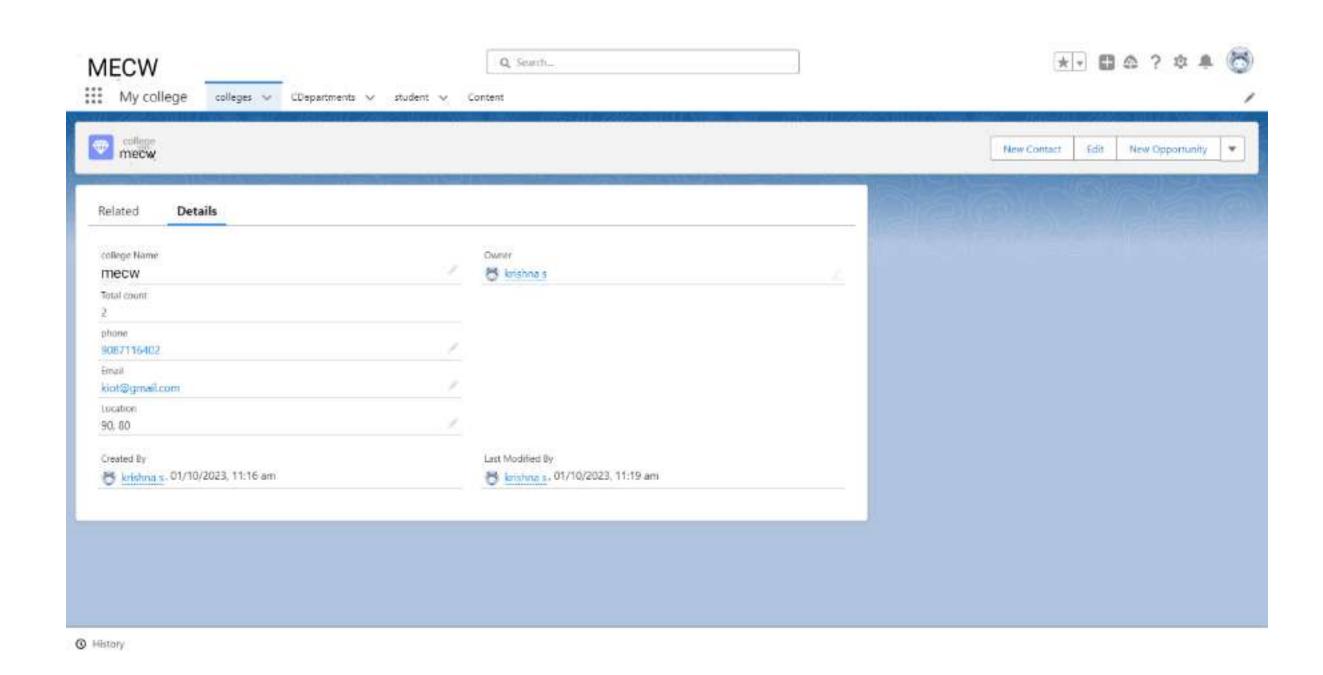


# Conclusion:

Now, whenever you create or update a record in the "Department\_\_c" related to a "College\_\_c," the "TotalCount\_\_c" field on the "College\_\_c" will

automatically update to show the total number of related records.

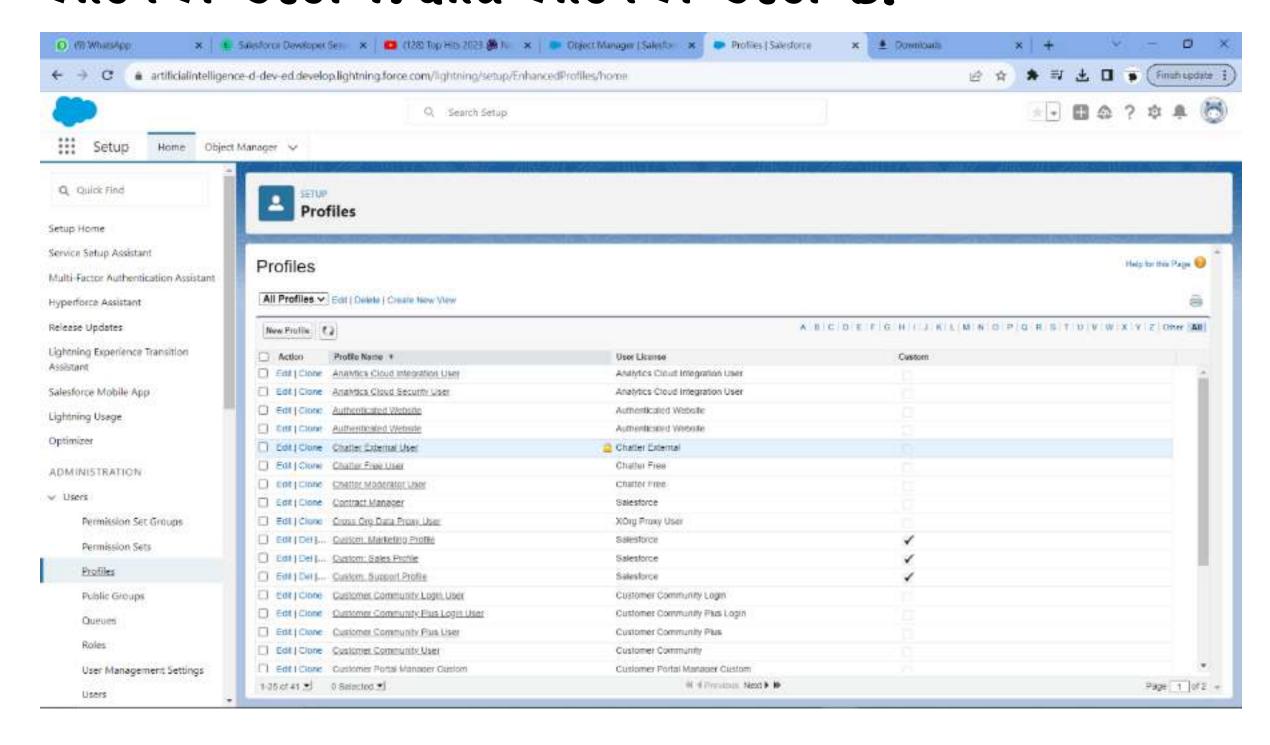
Remember to adjust field-level security, validation rules, and page layouts as needed to ensure that your custom objects and fields are appropriately configured for your organization's requirements.

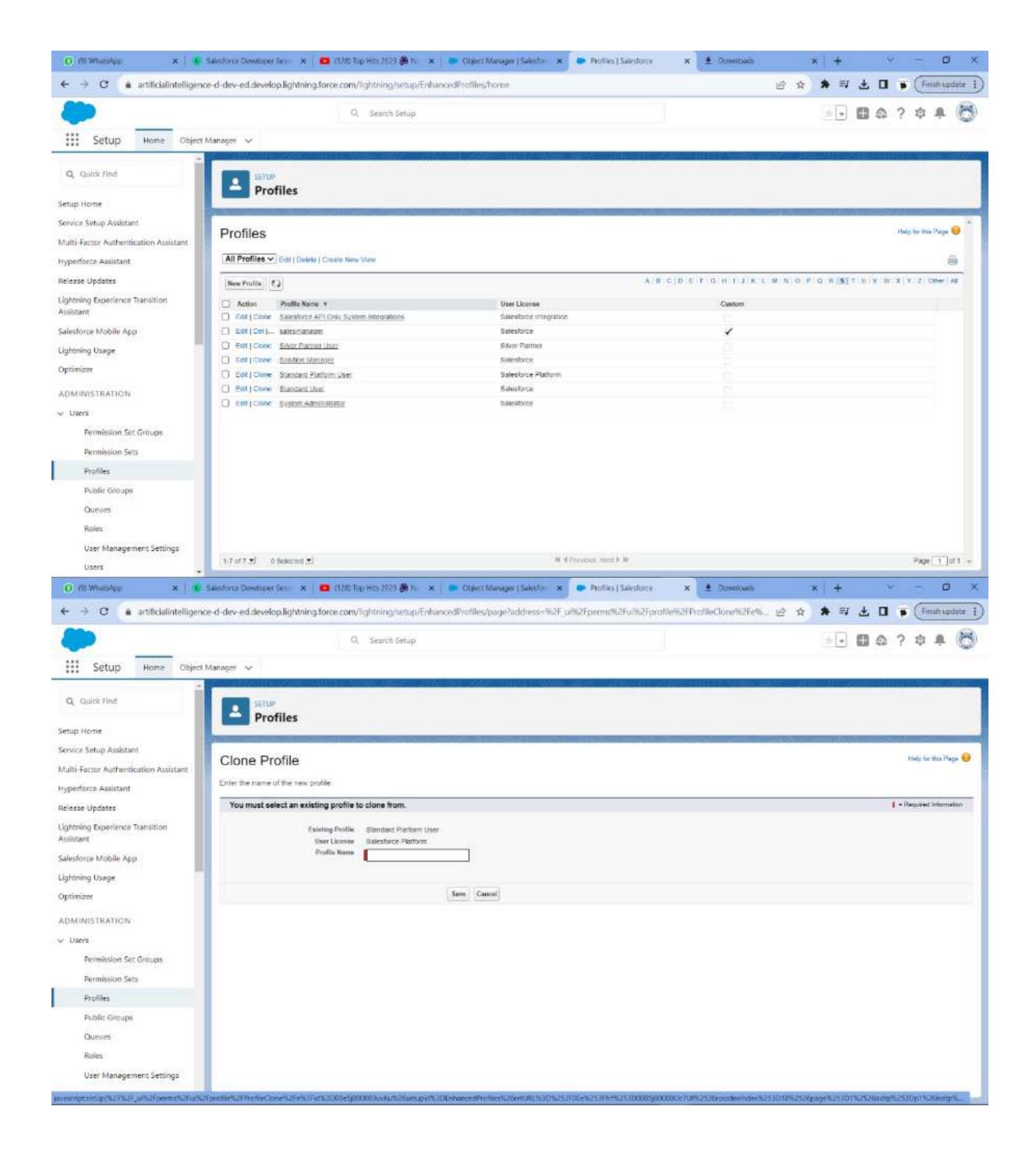


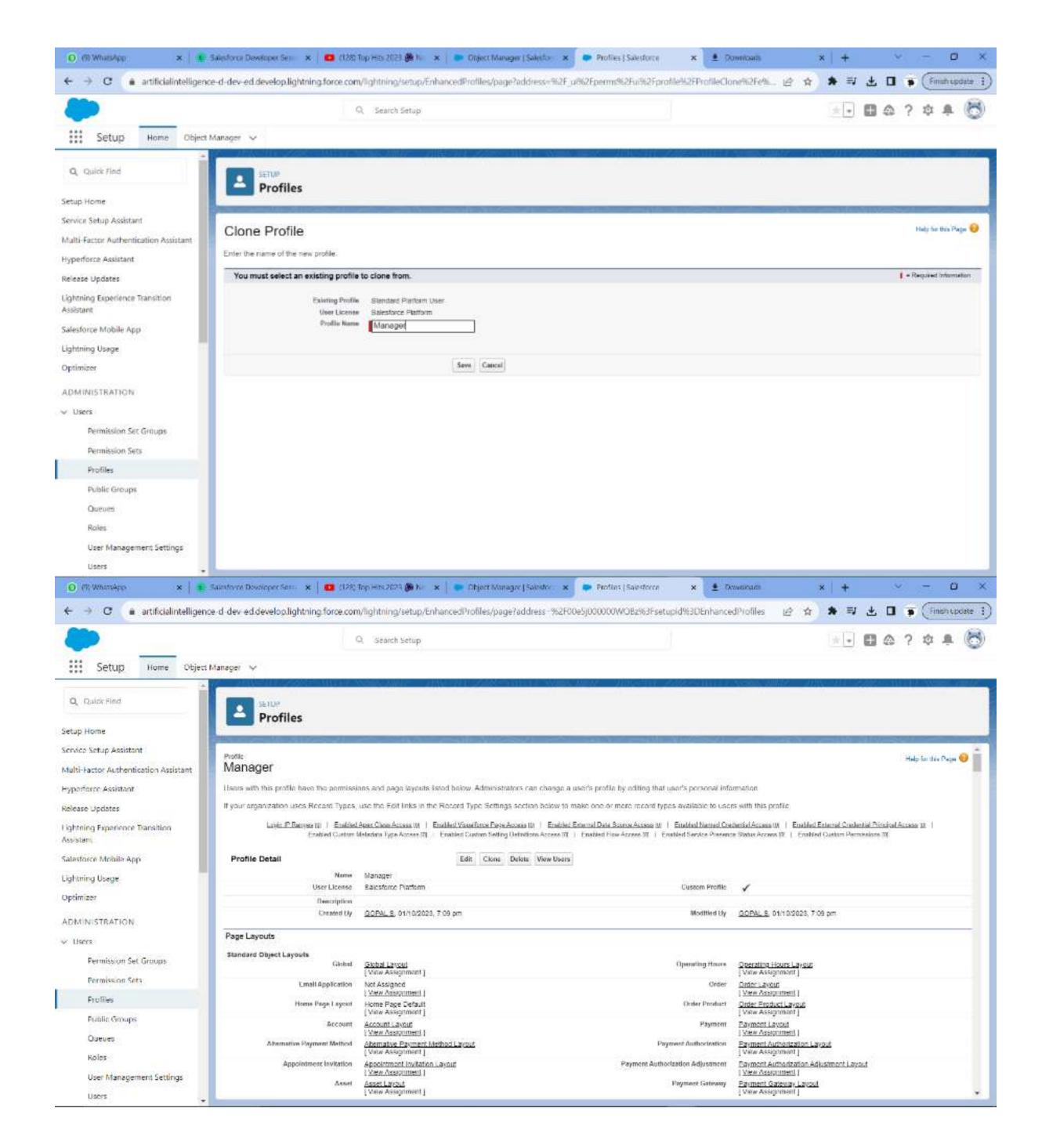
2. If there is 2 user, User A and User B in the organisation and we want in Account object that User A should not see the User B Record and user B should not see User A record then apply the Security for the users.

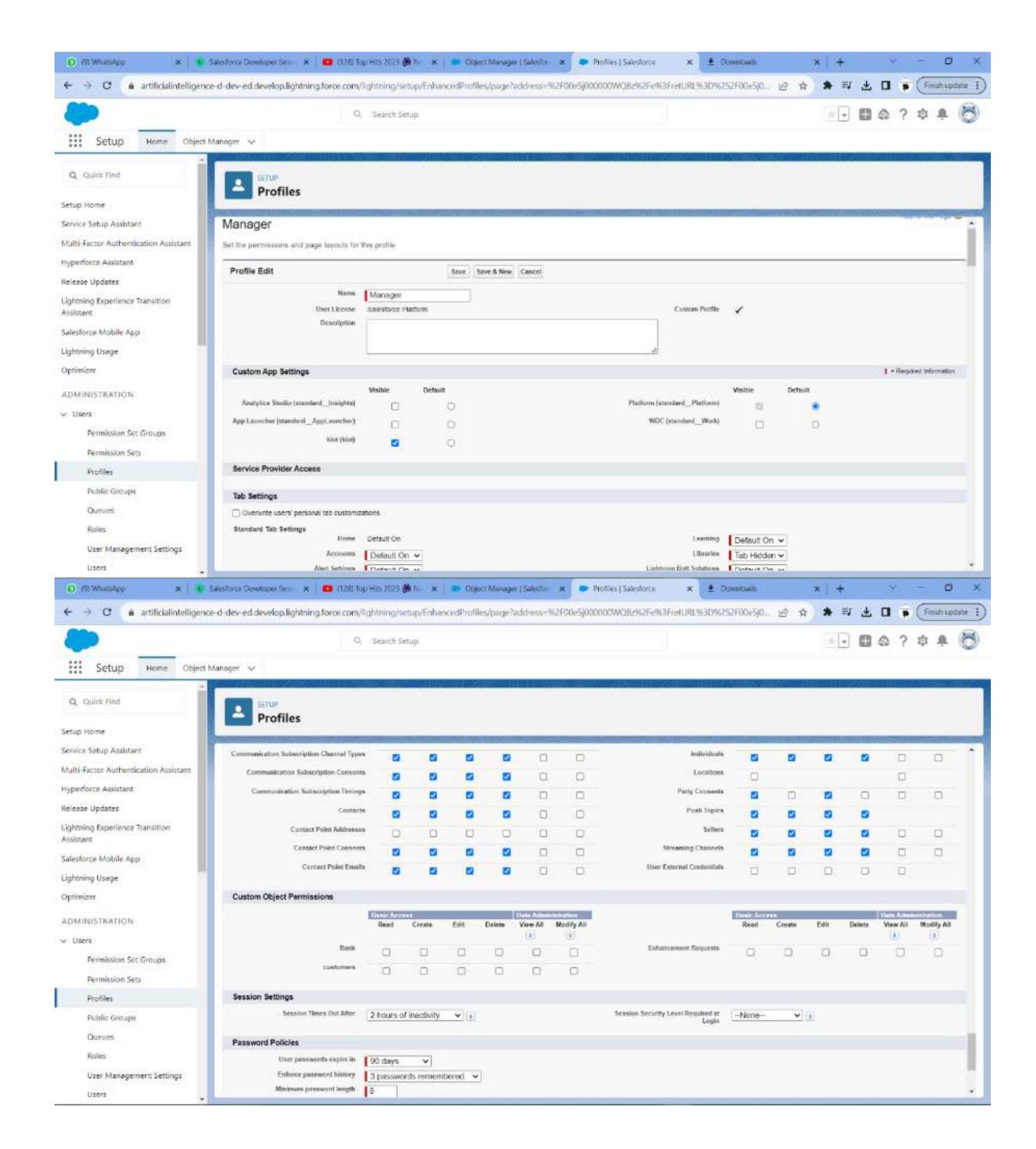
### Solution:

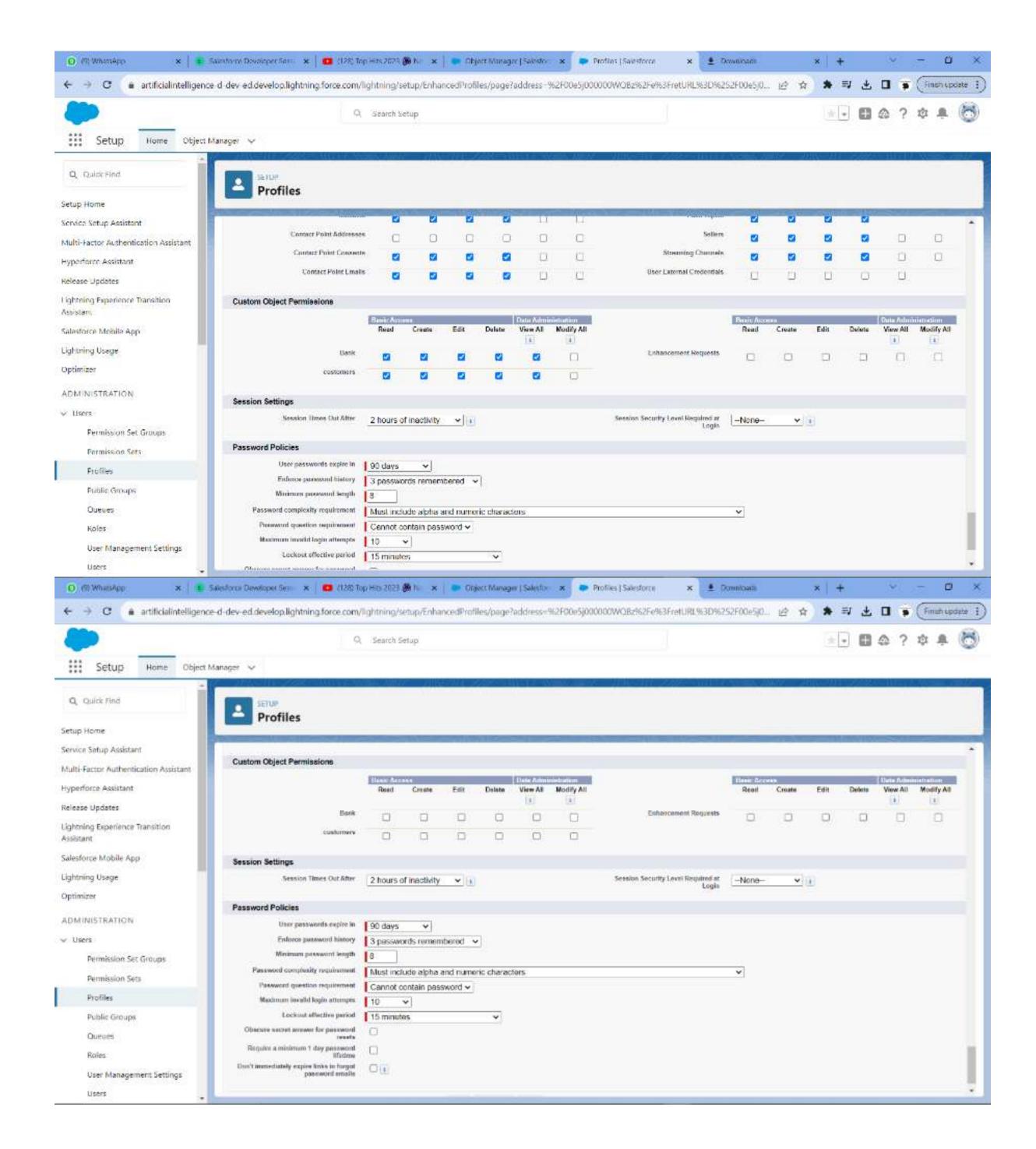
Step 1: Create two separate custom profiles, one for User A and one for User B.

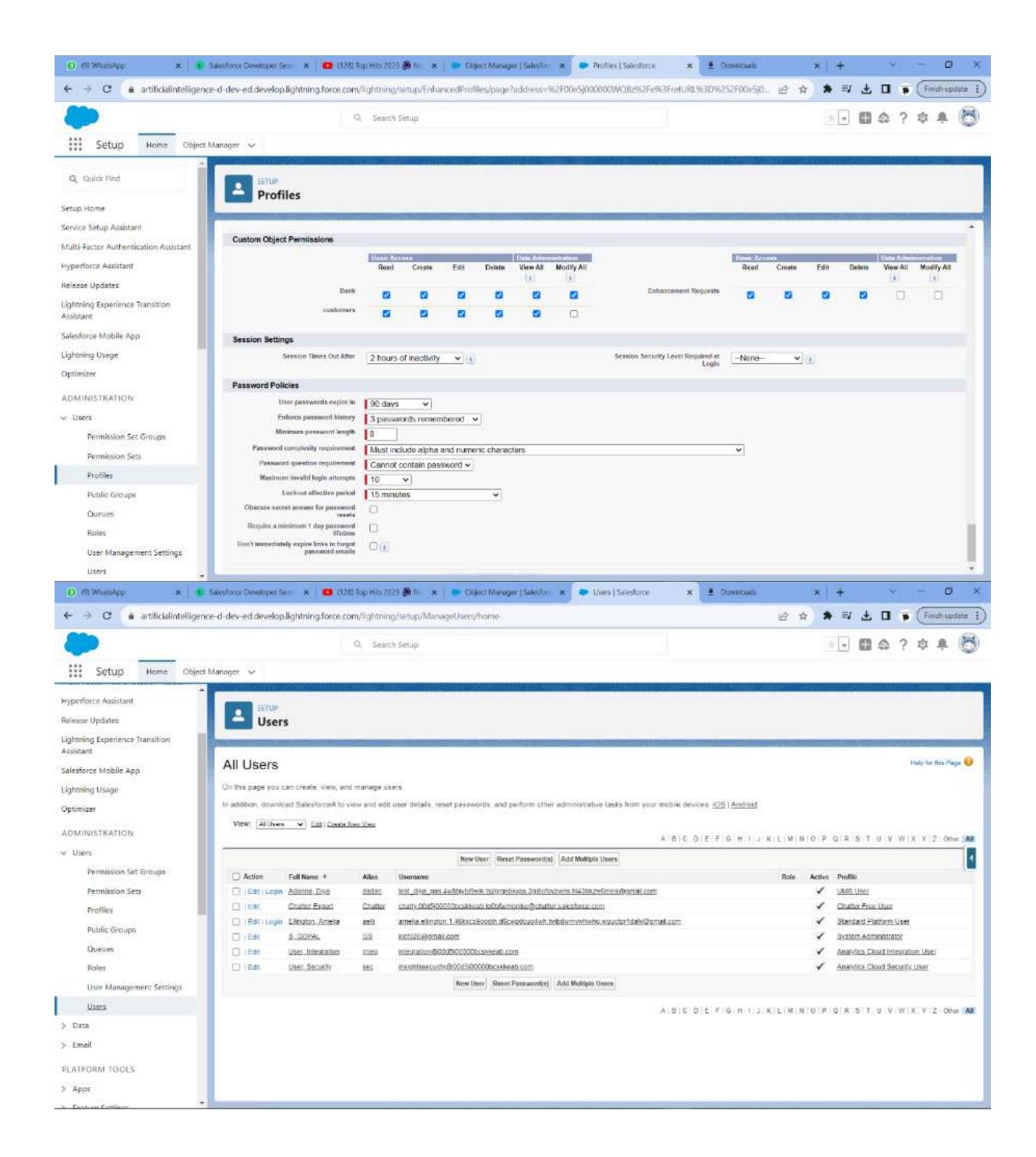


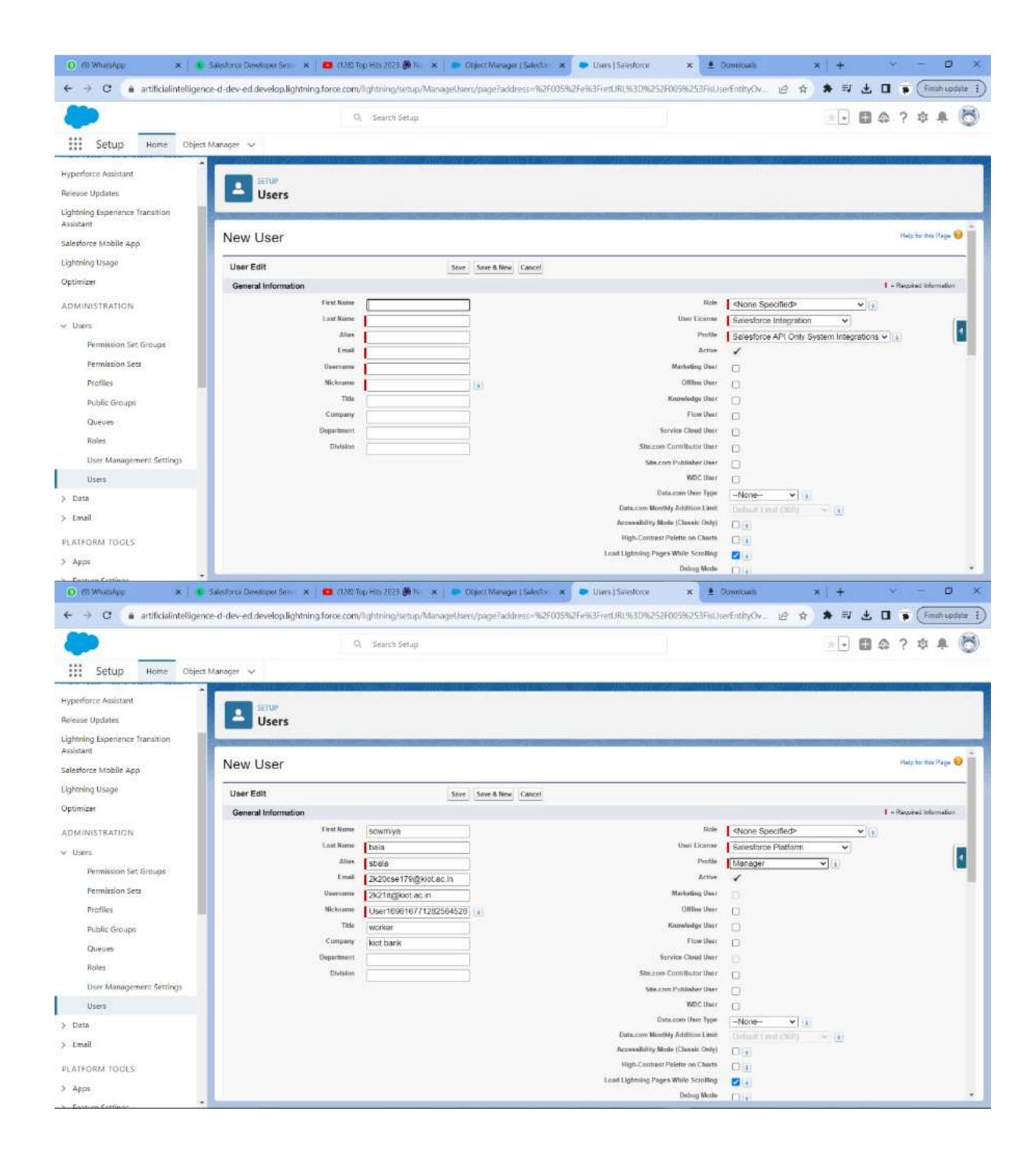


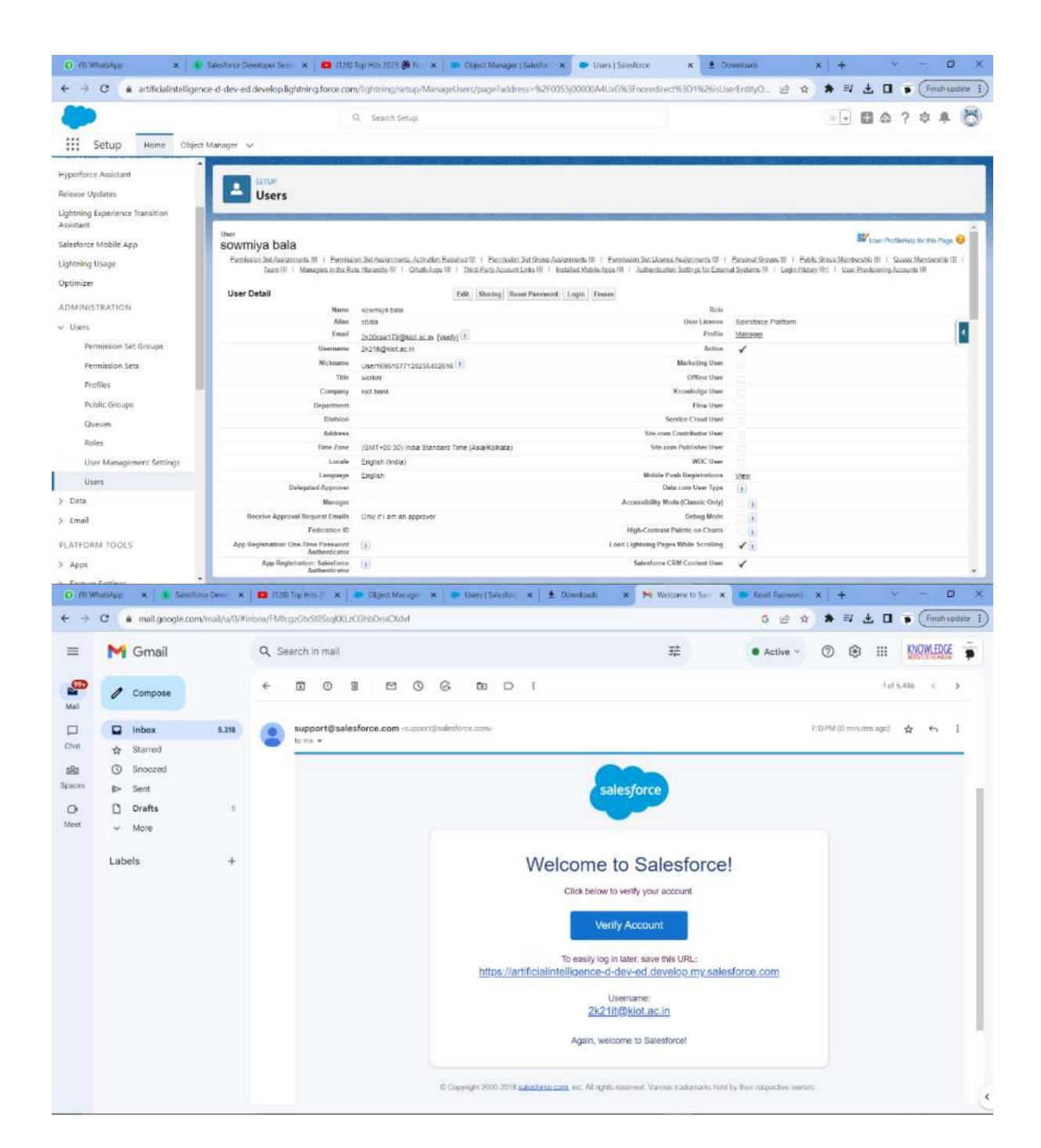


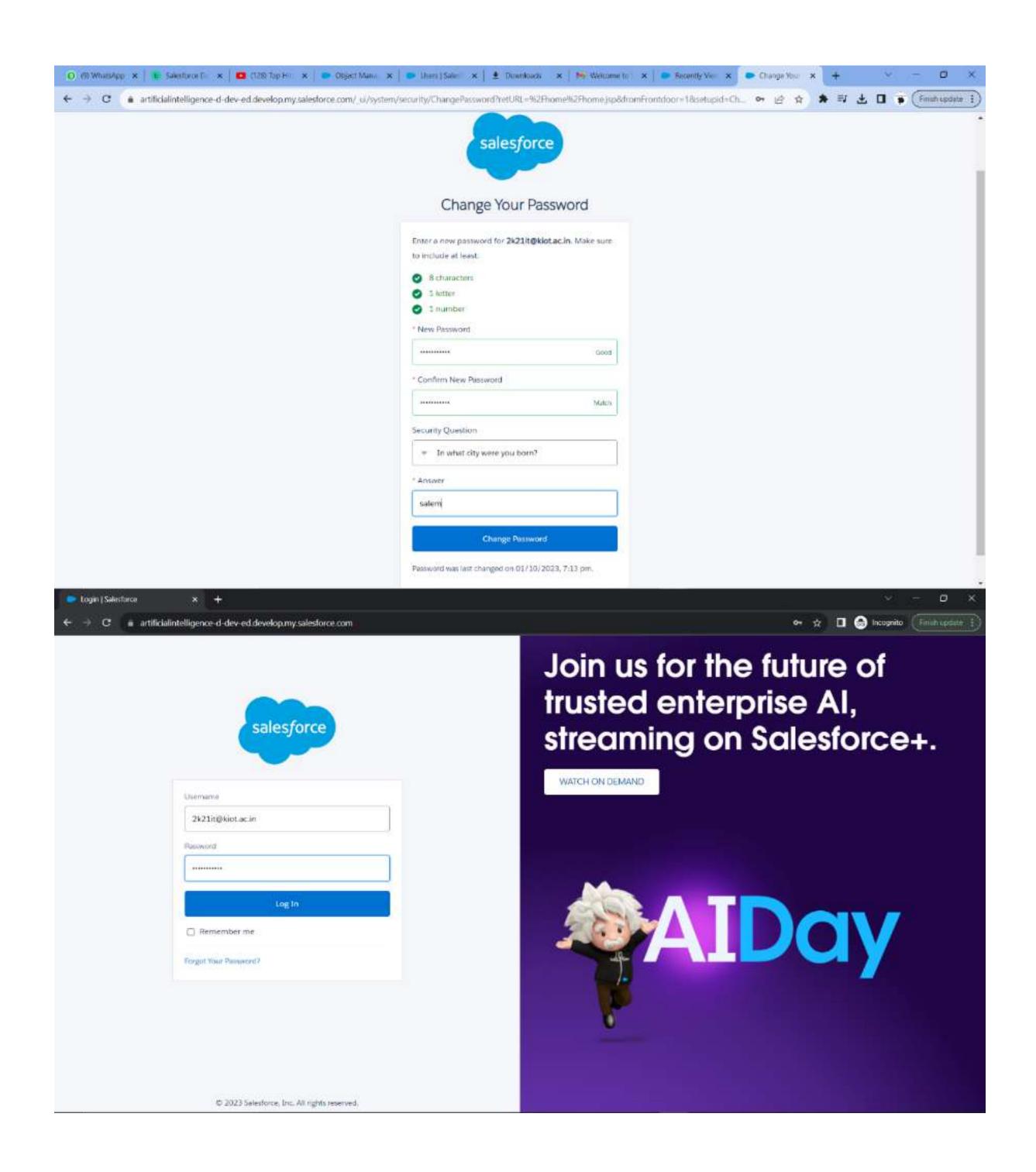


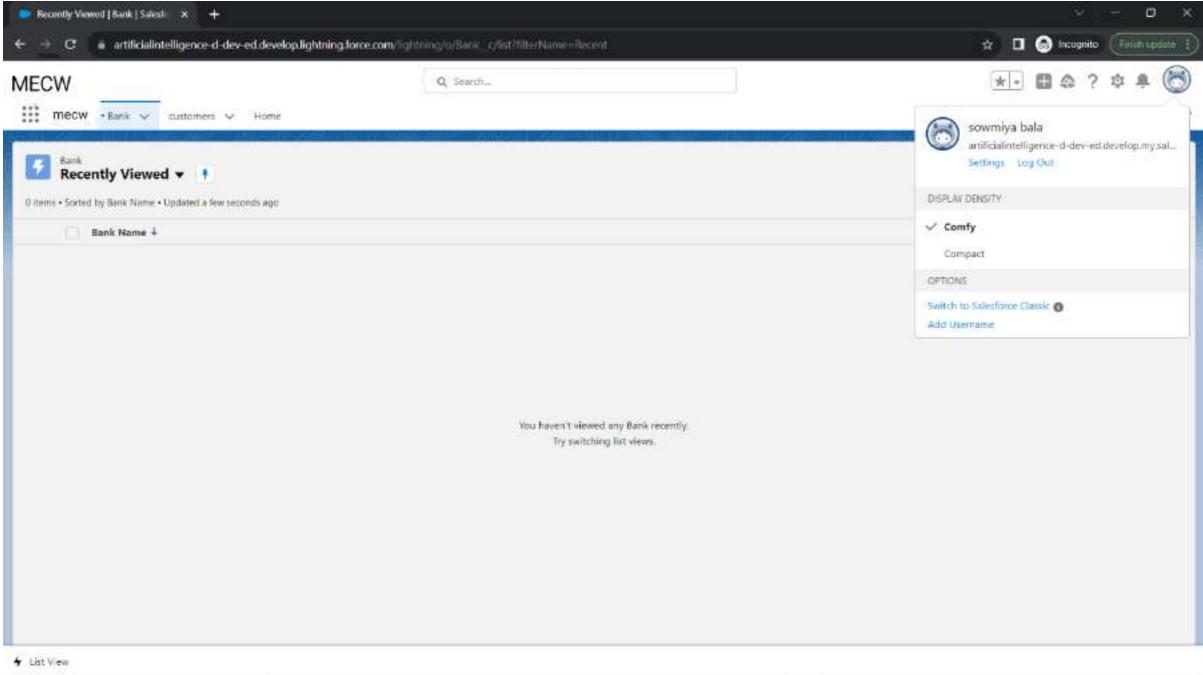


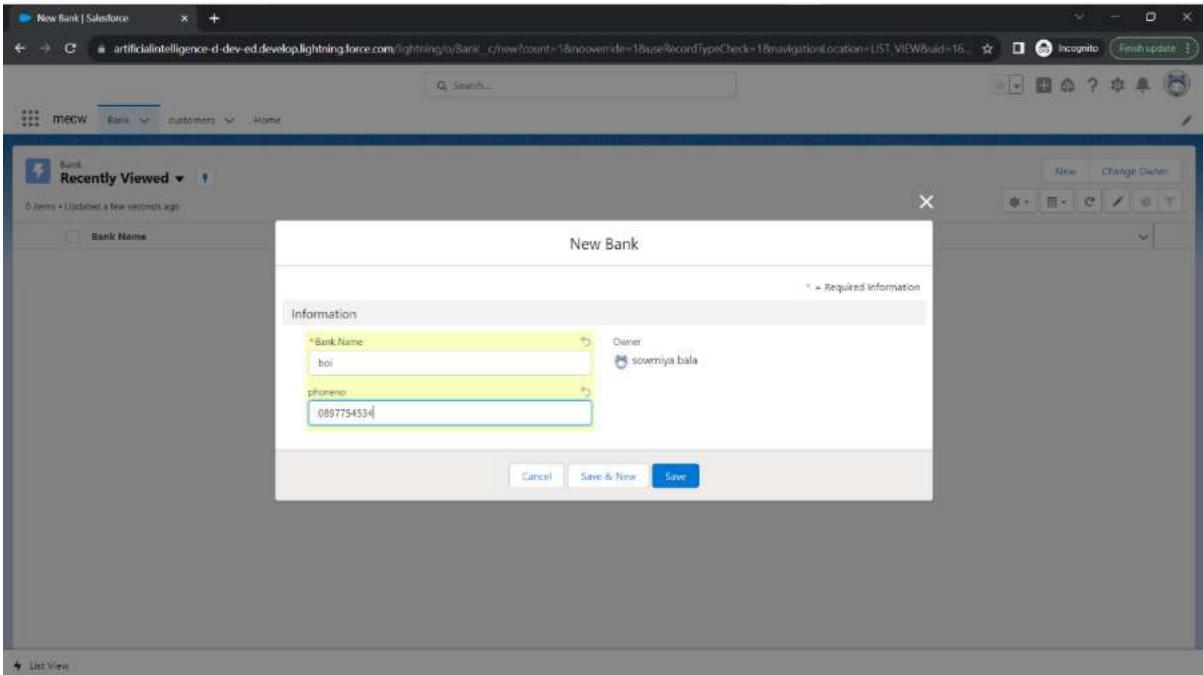


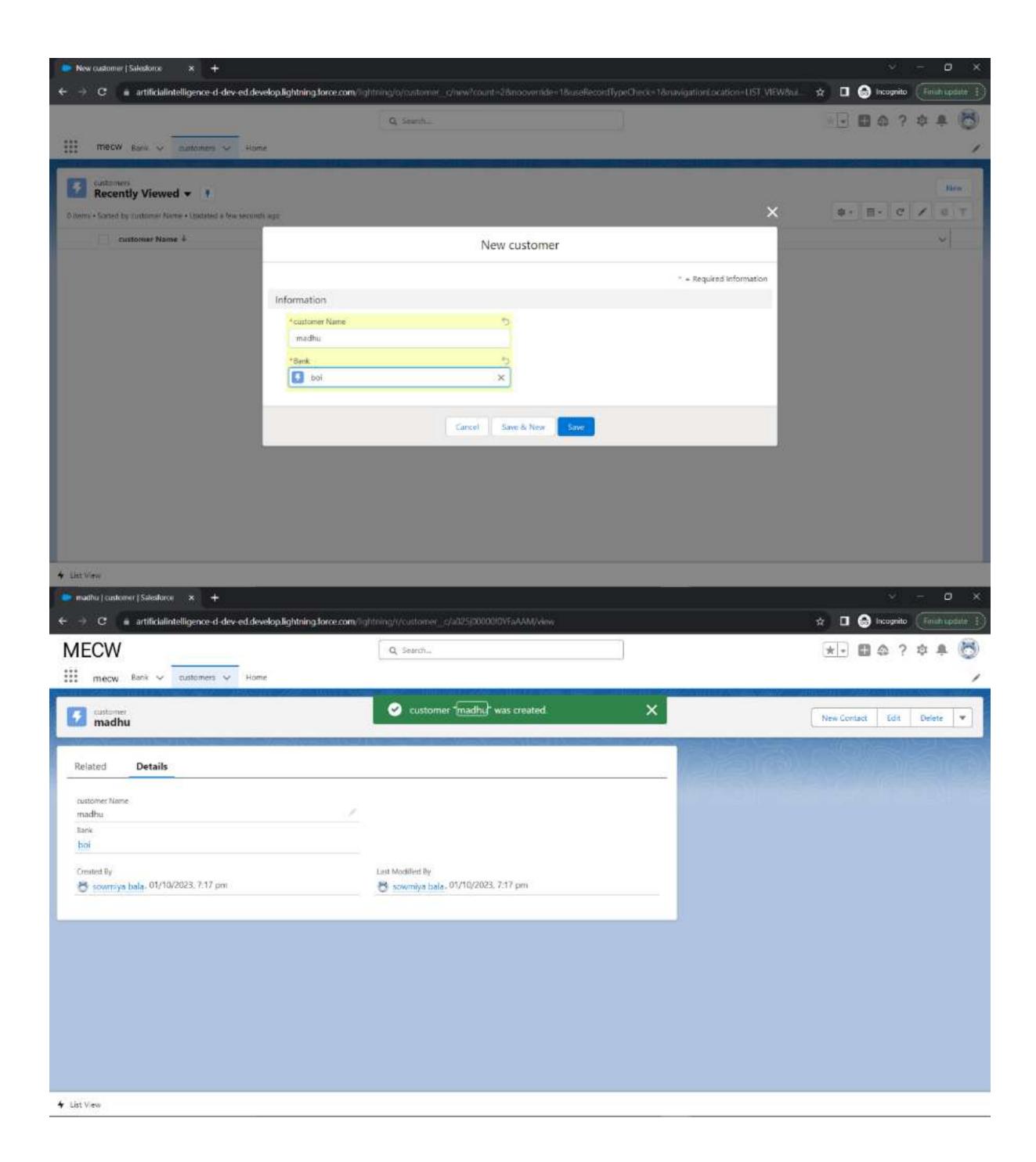


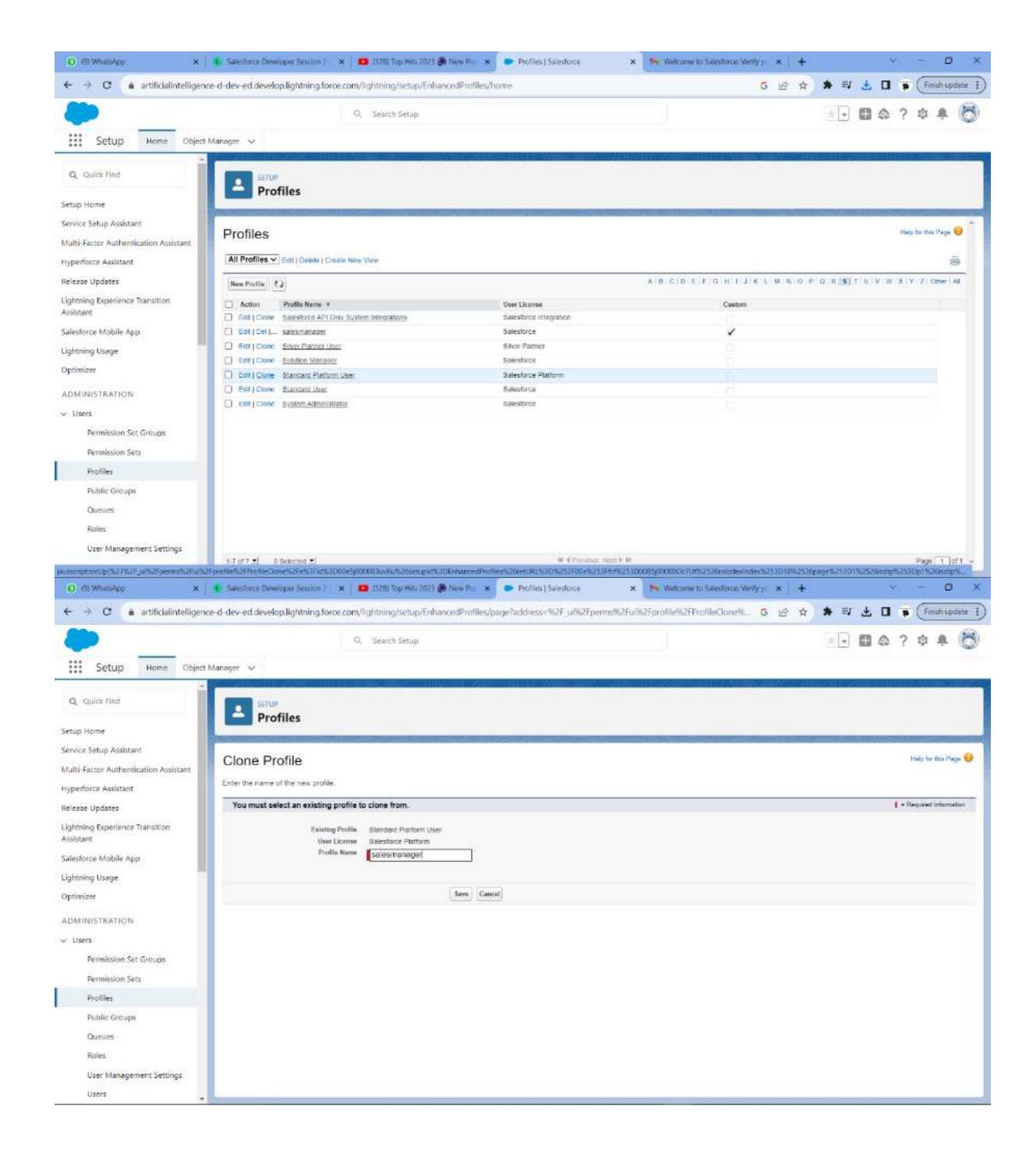


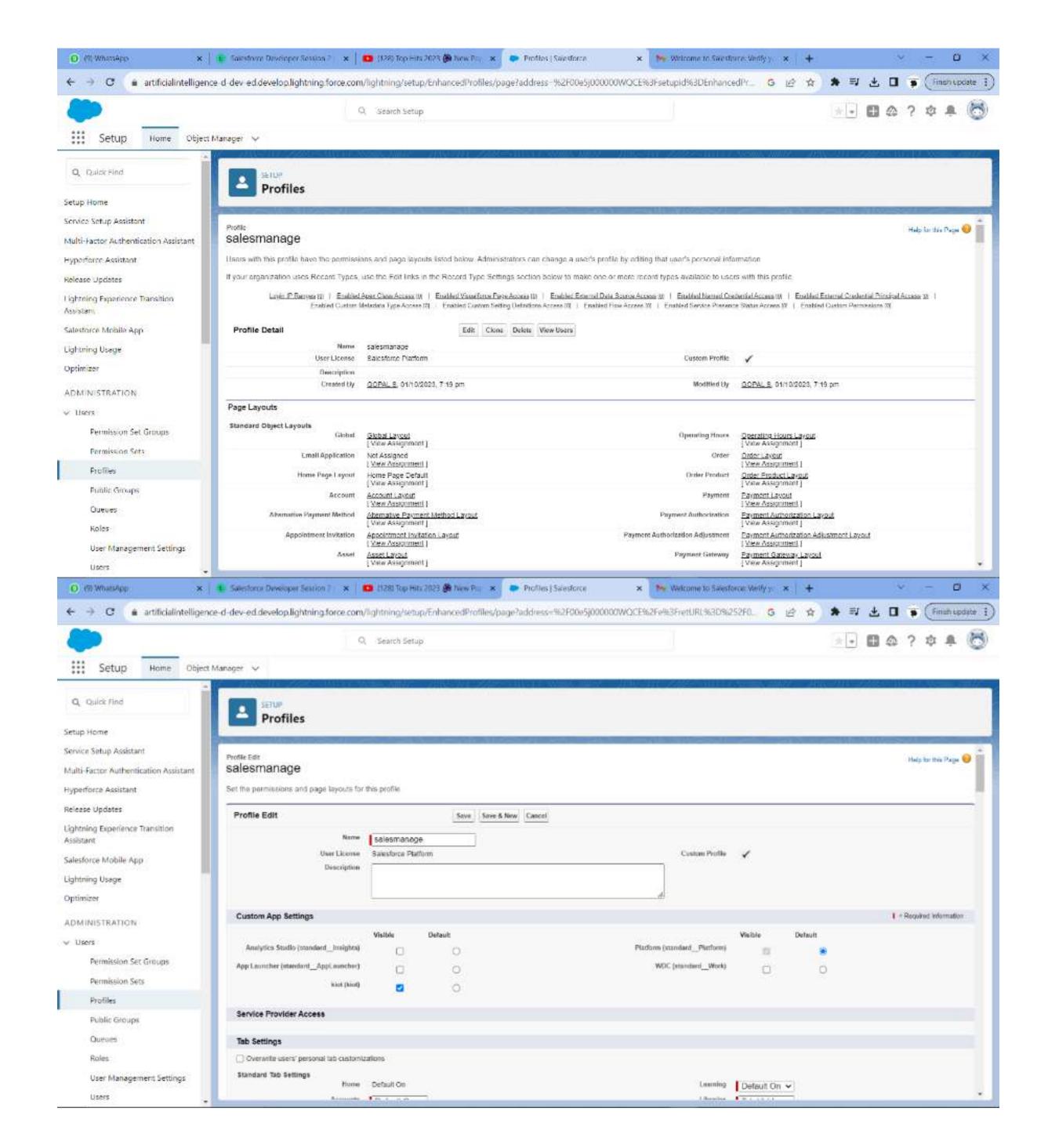


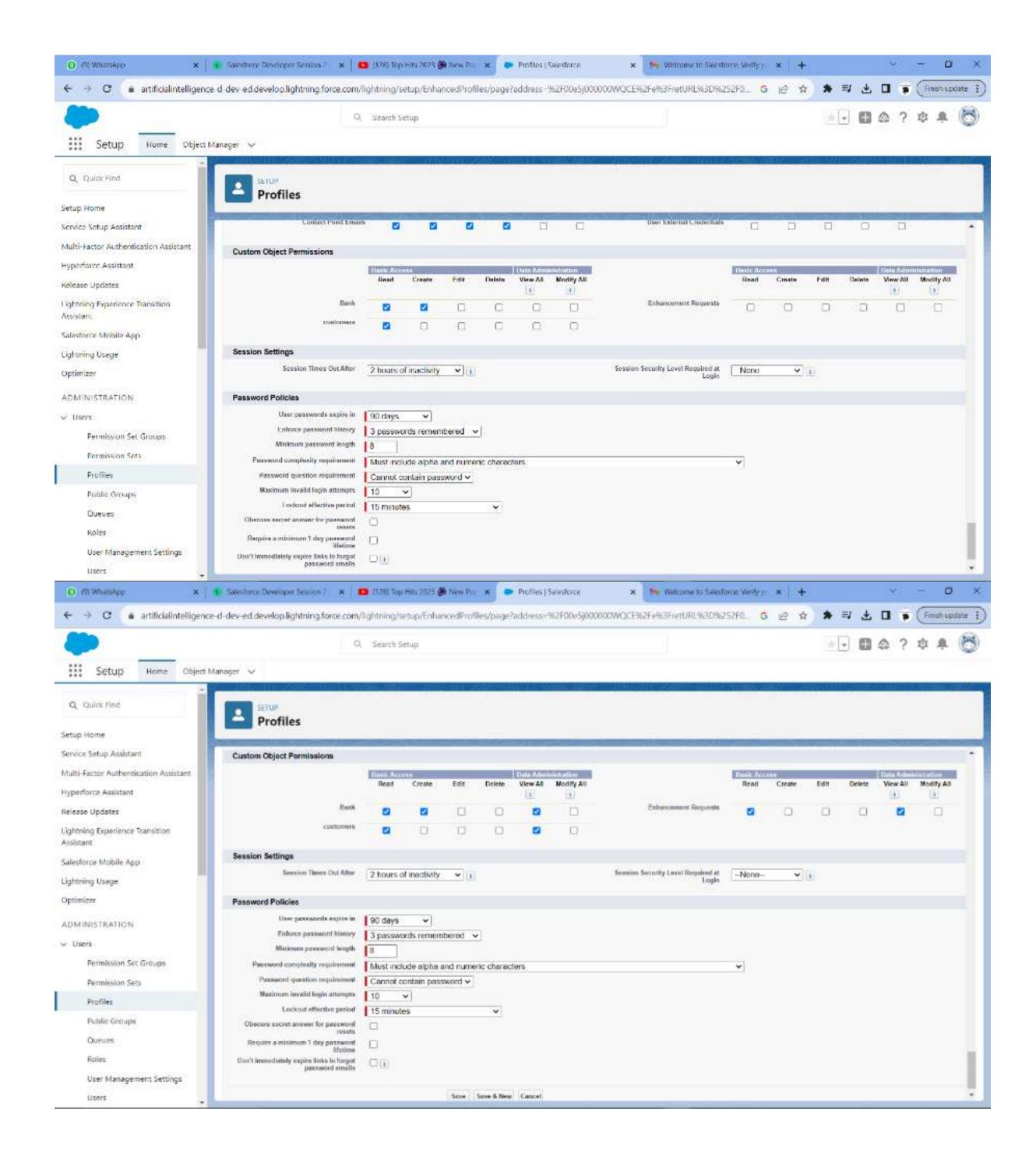


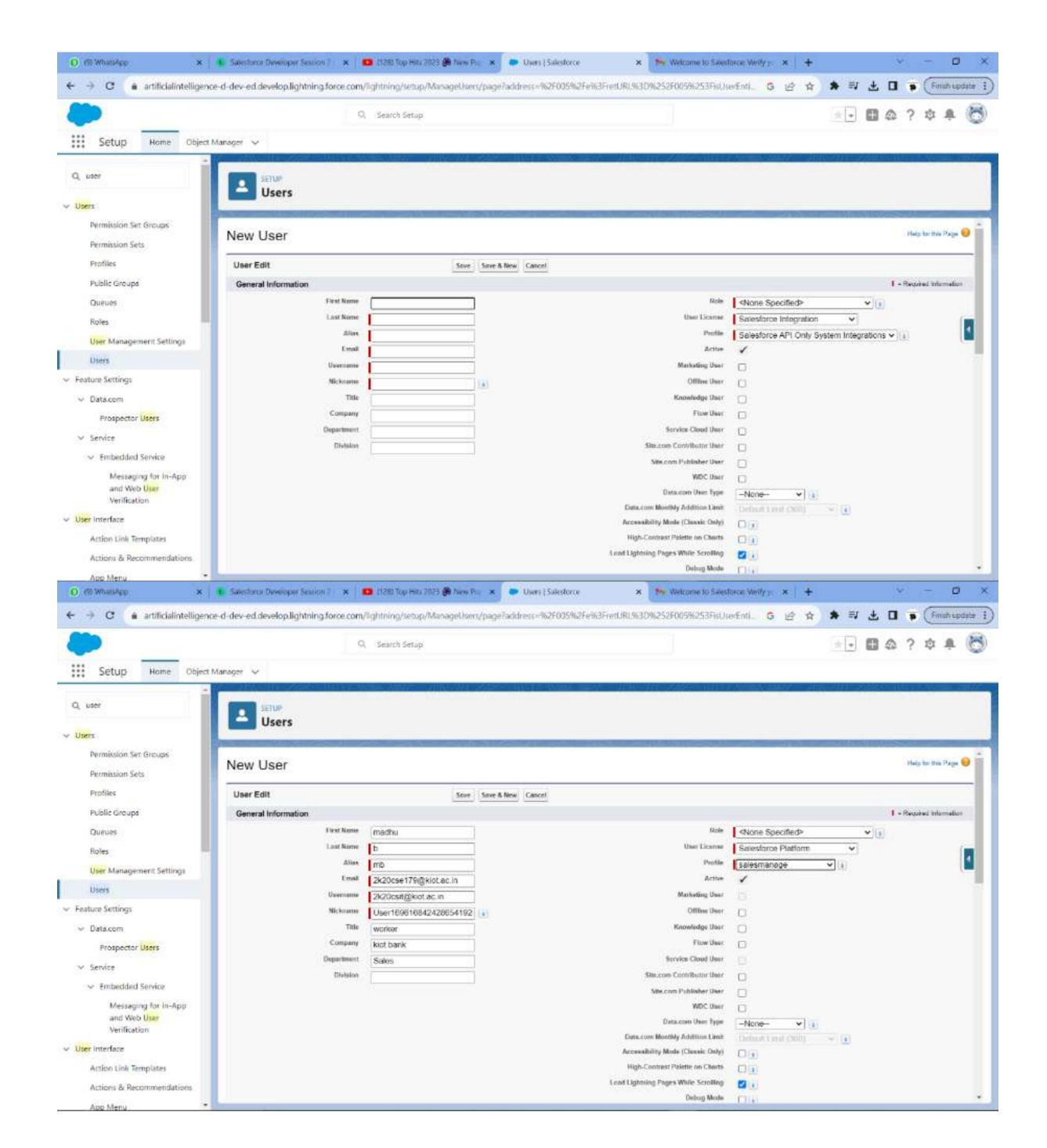


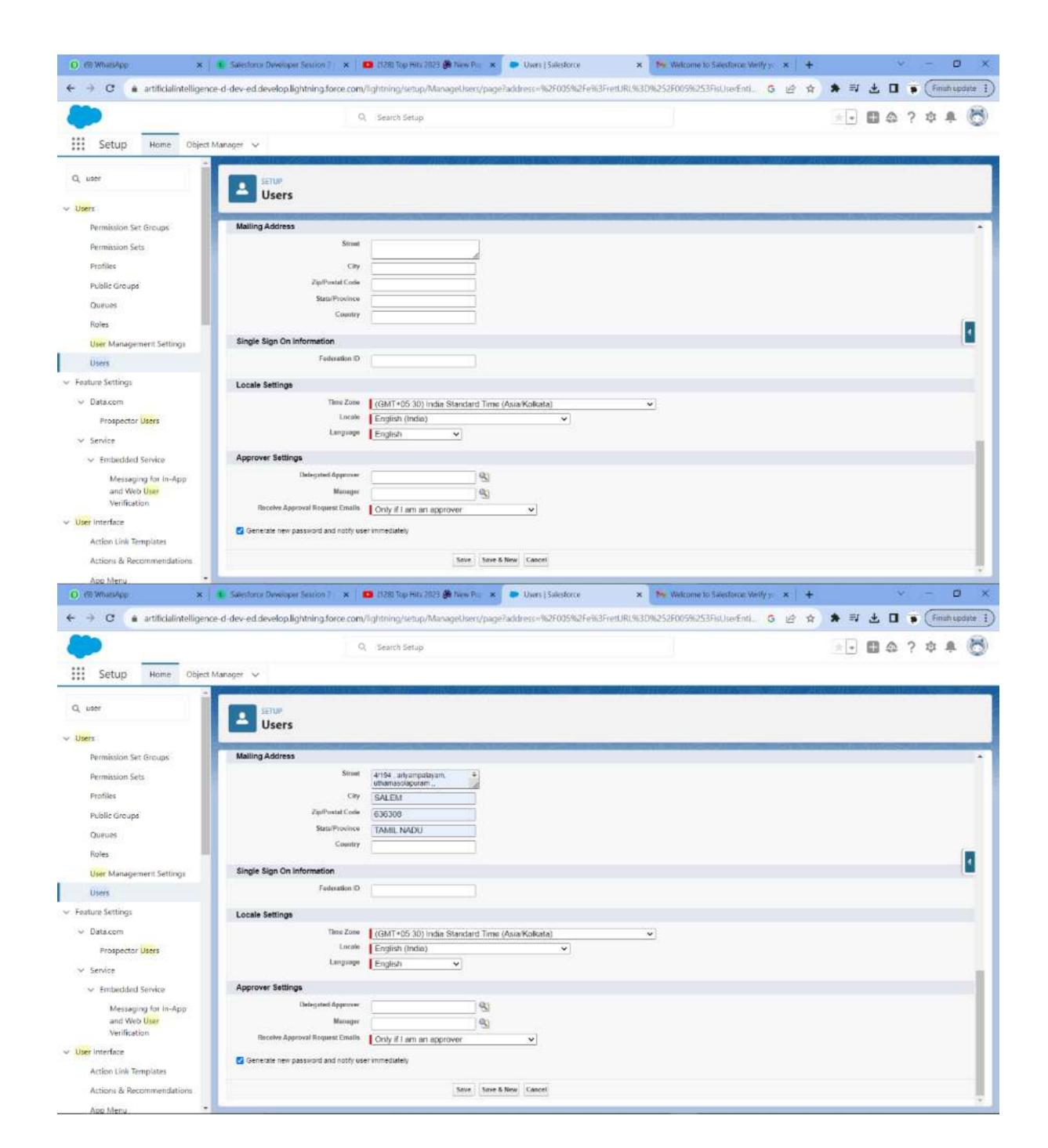


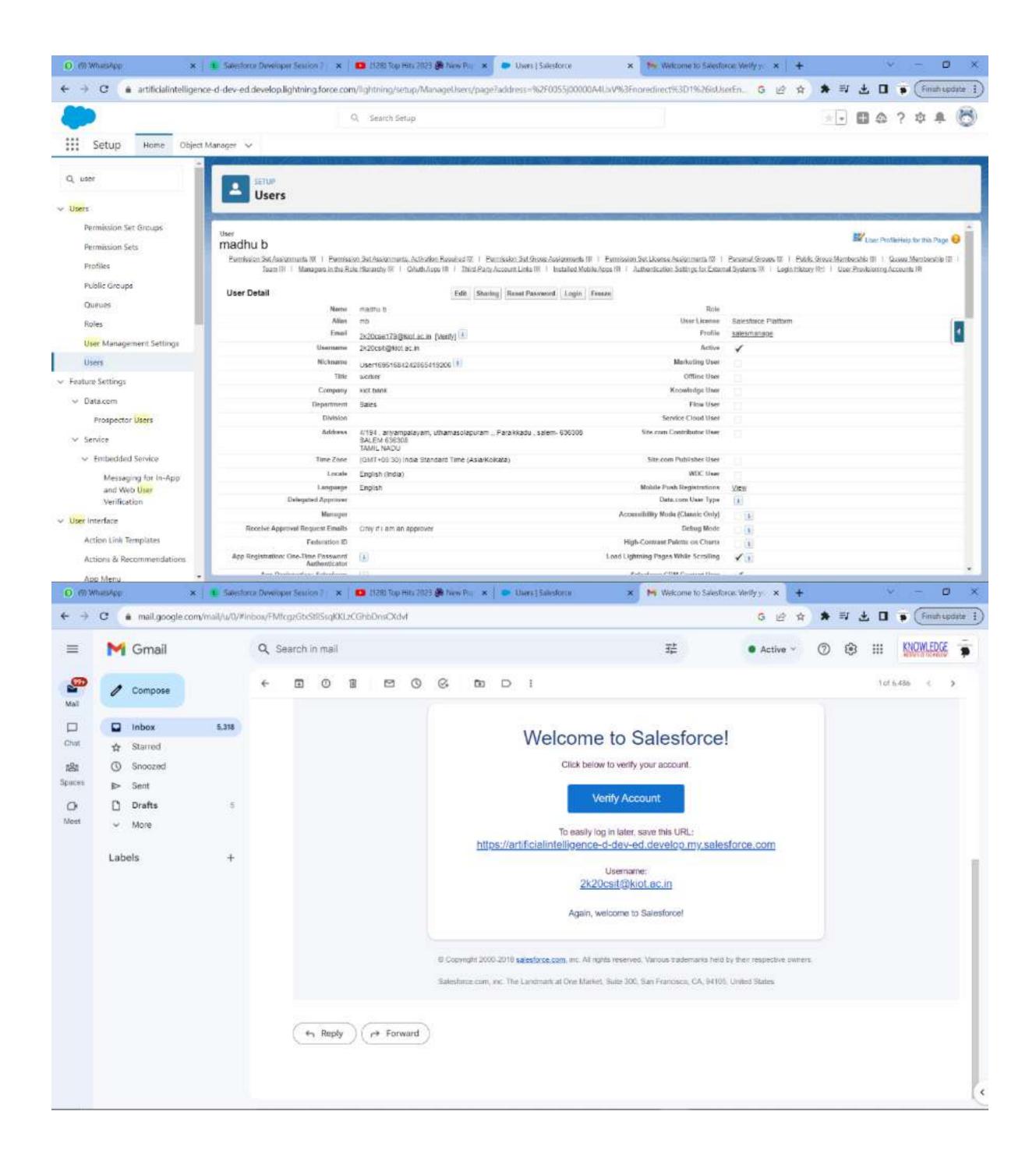


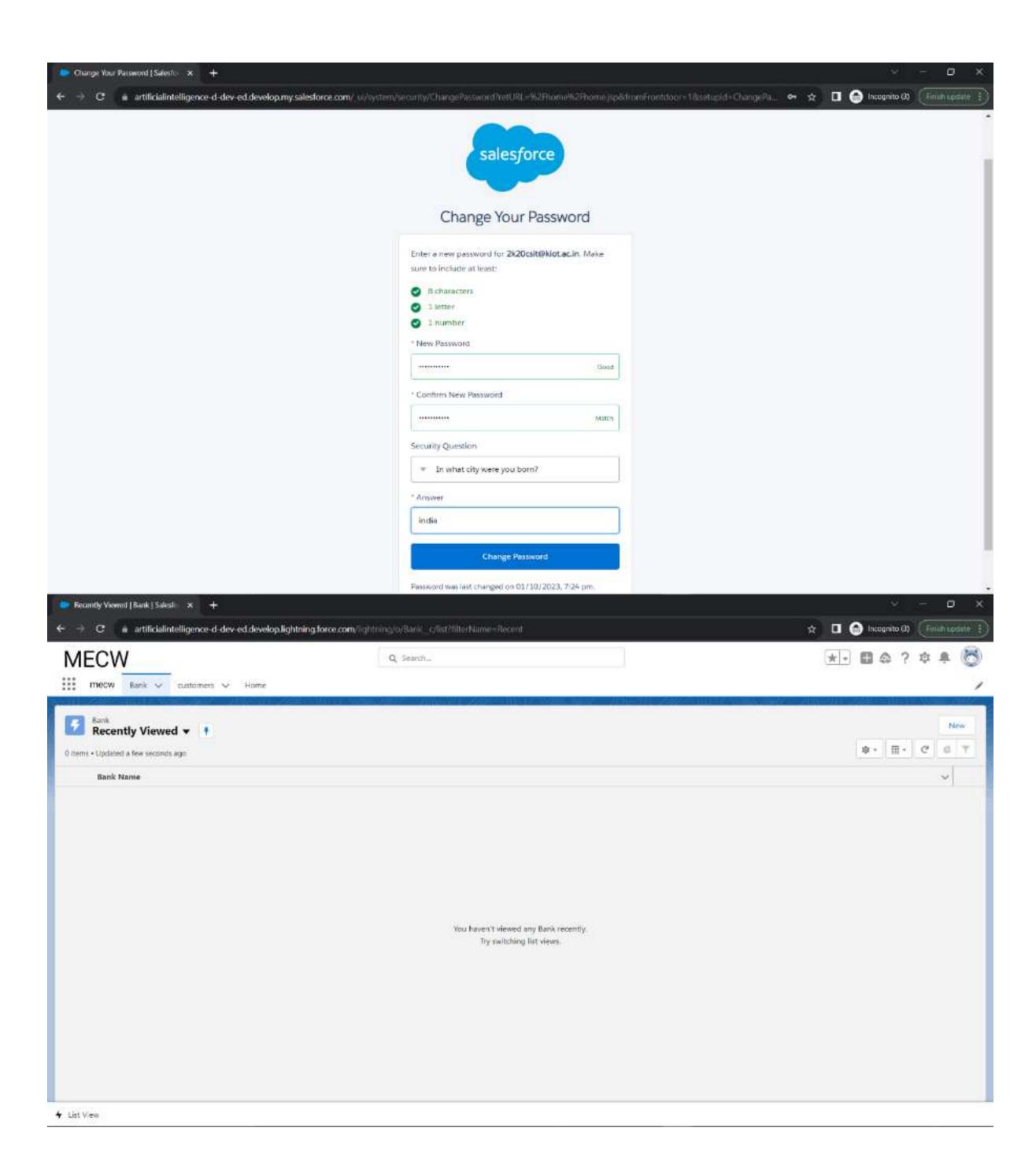


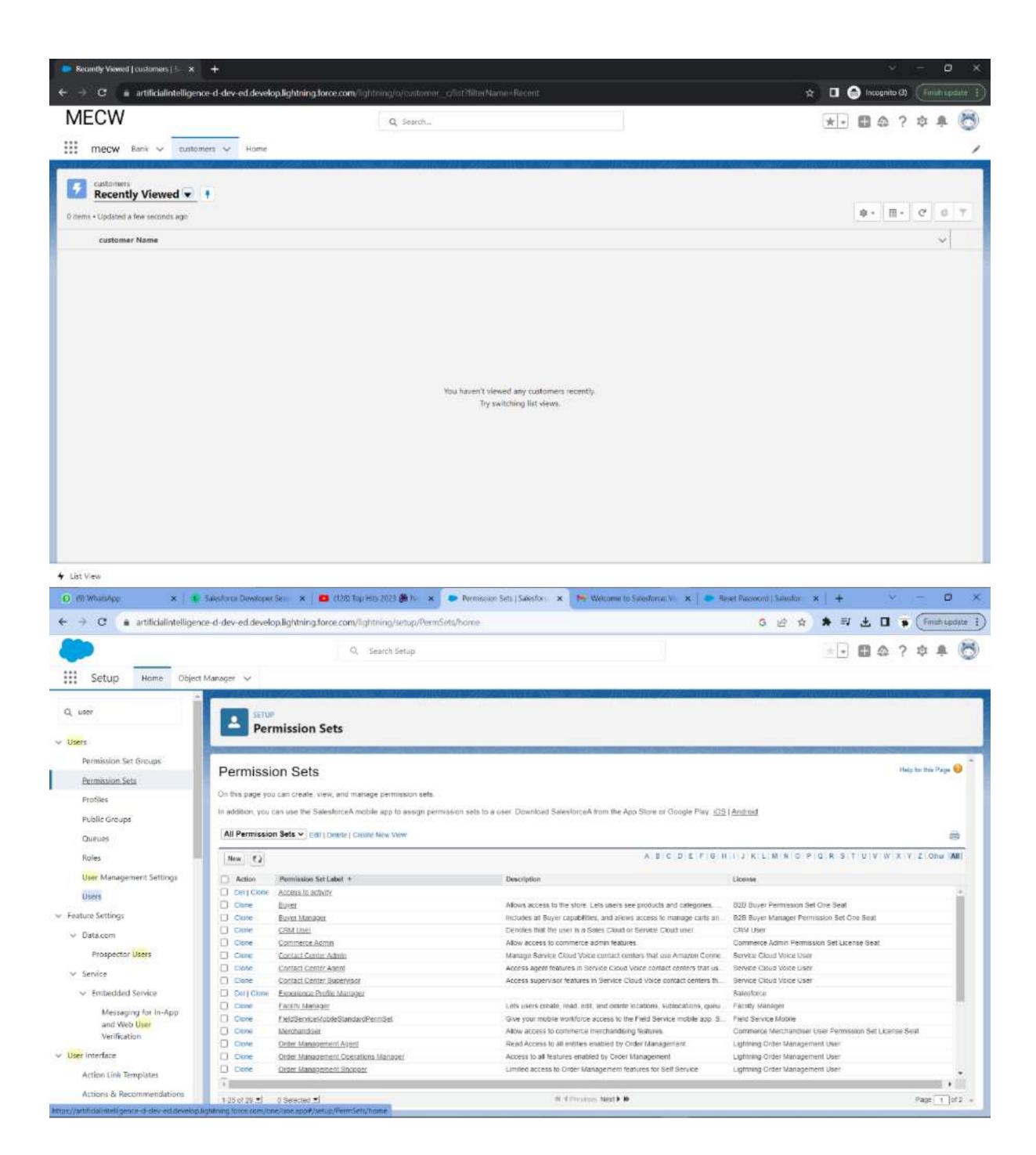












#### Step 2:

#### Permission Sets:

· Create two permission sets, one for User A and one for User B.

#### Sbject-Level Security:

In each profile and permission set, set the object-level security for the Account object to "Read" to ensure that both I-Iser A and I-Iser B can view Account records.

#### Record-Level Security:

- · Implement record-level security using Criteria-Based Sharing Rules.
- · Create a sharing rule that shares Account records owned by User A with User A and records owned by IJser B with user B.
- · For the sharing rule criteria, specify that records owned by User'A are shared with user

A, and records wheed by User B are shared with User B.

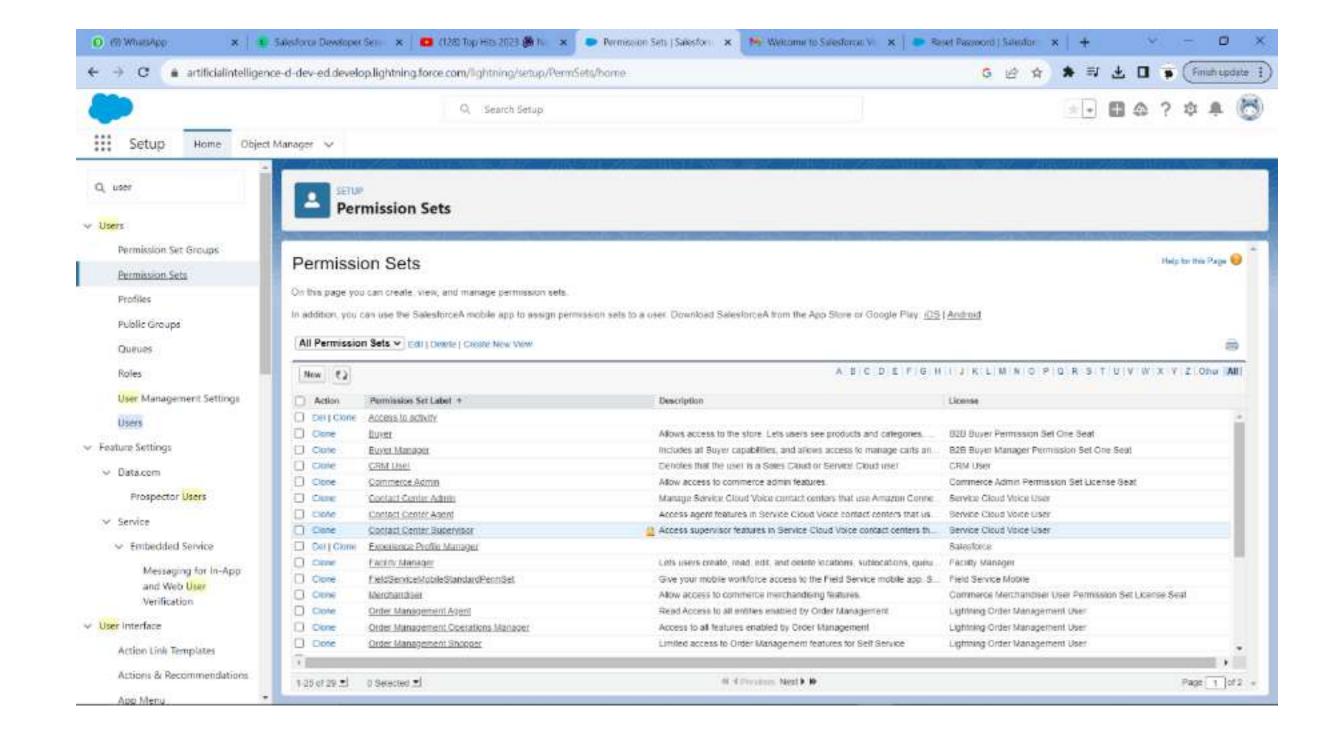
#### wnership:

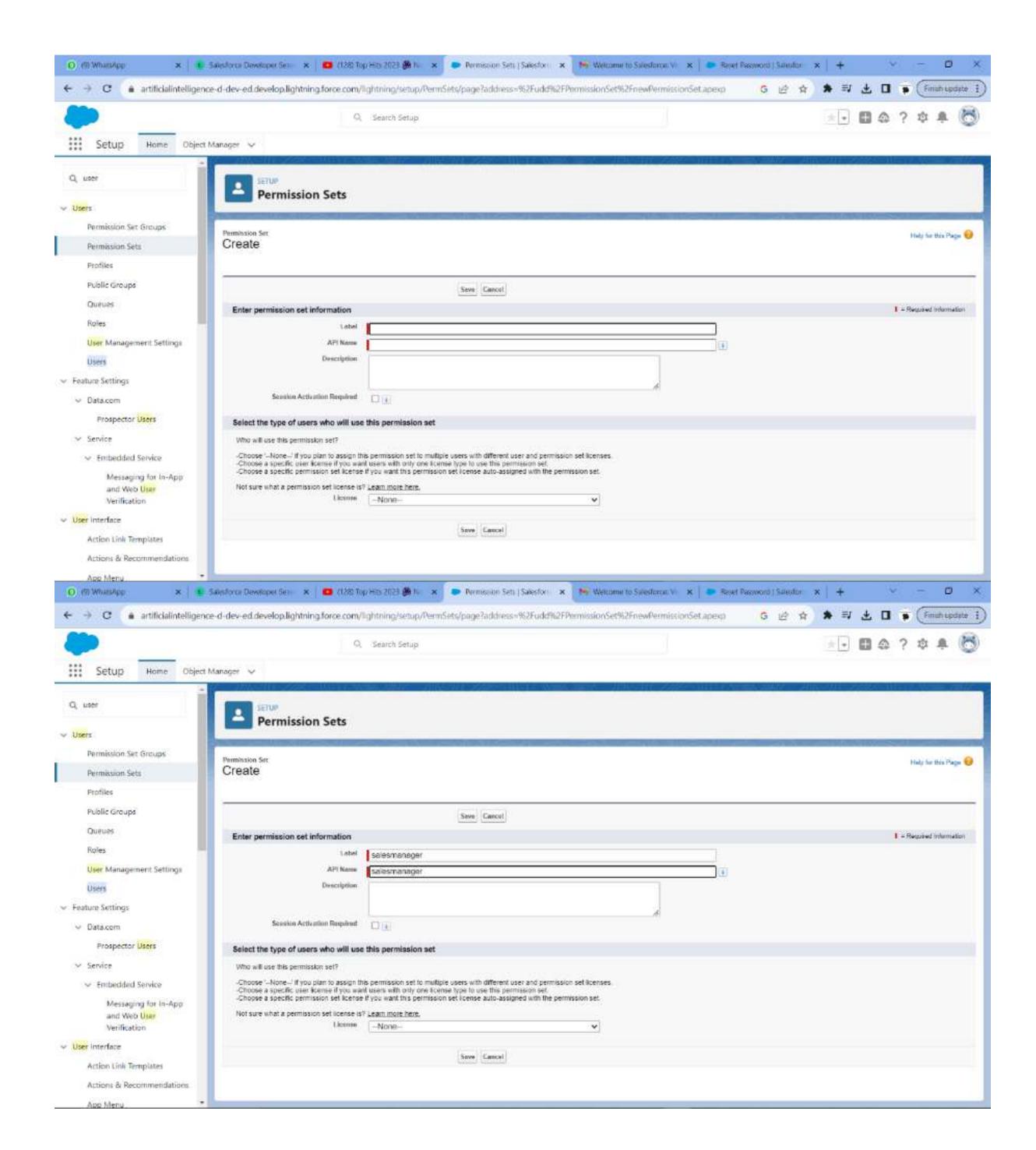
- Ensure that the Account records are woned by the respective users, with User A wining their records and User B wining their records.

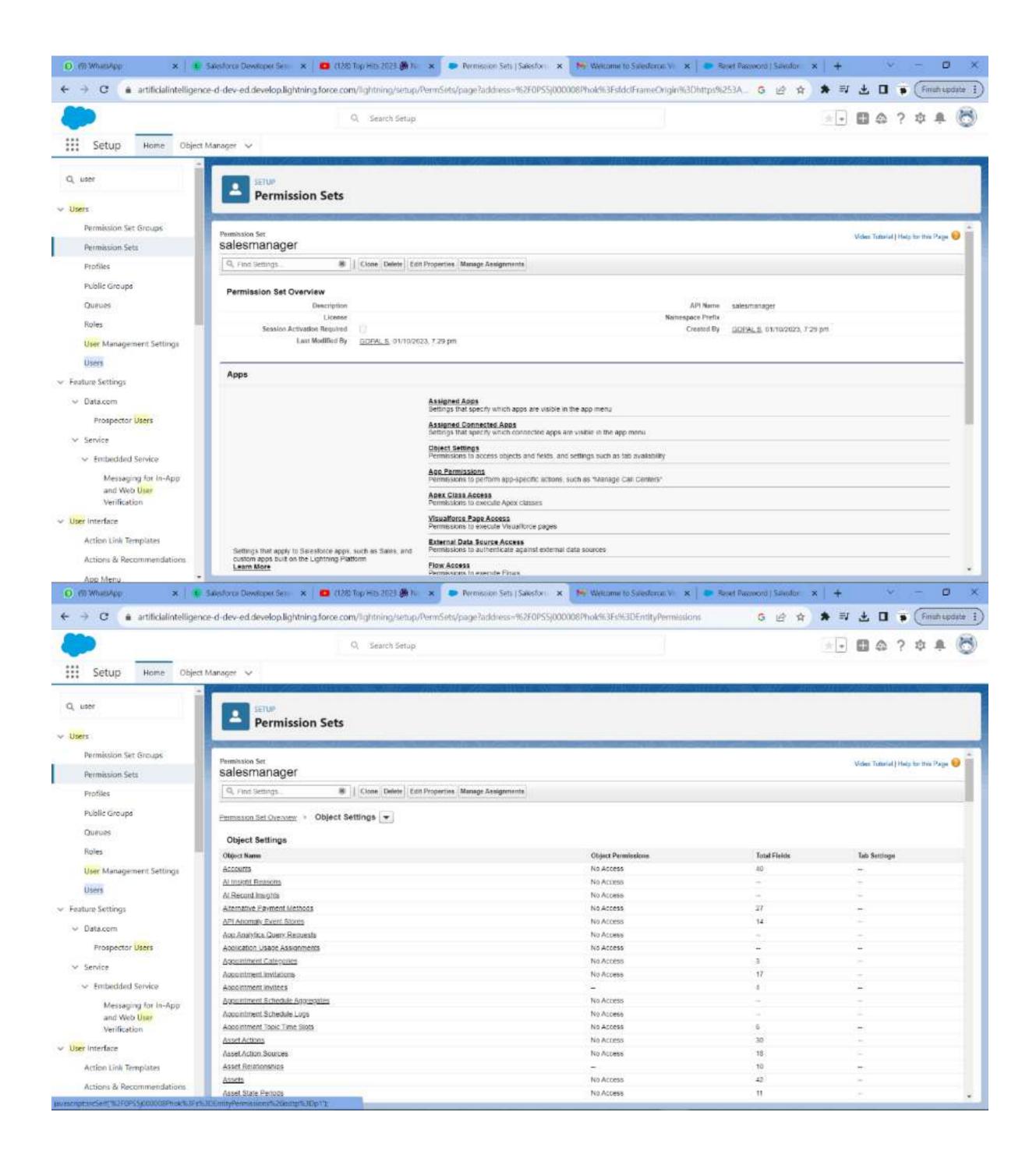
  Organization-Wide Defaults:
- Set the organization-wide defaults for the Account object to "Private" to ensure that records are private by default.

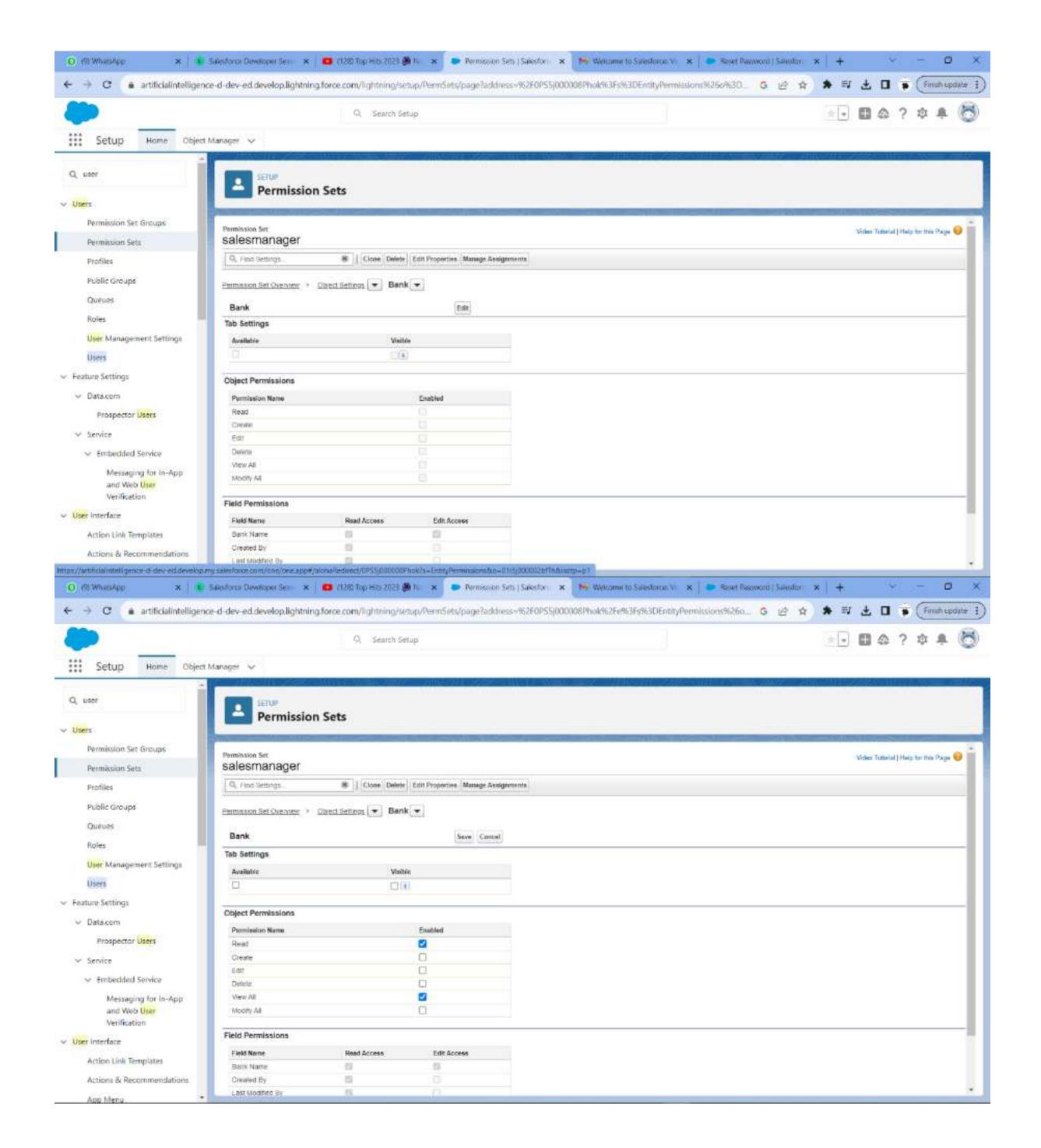
#### Testing:

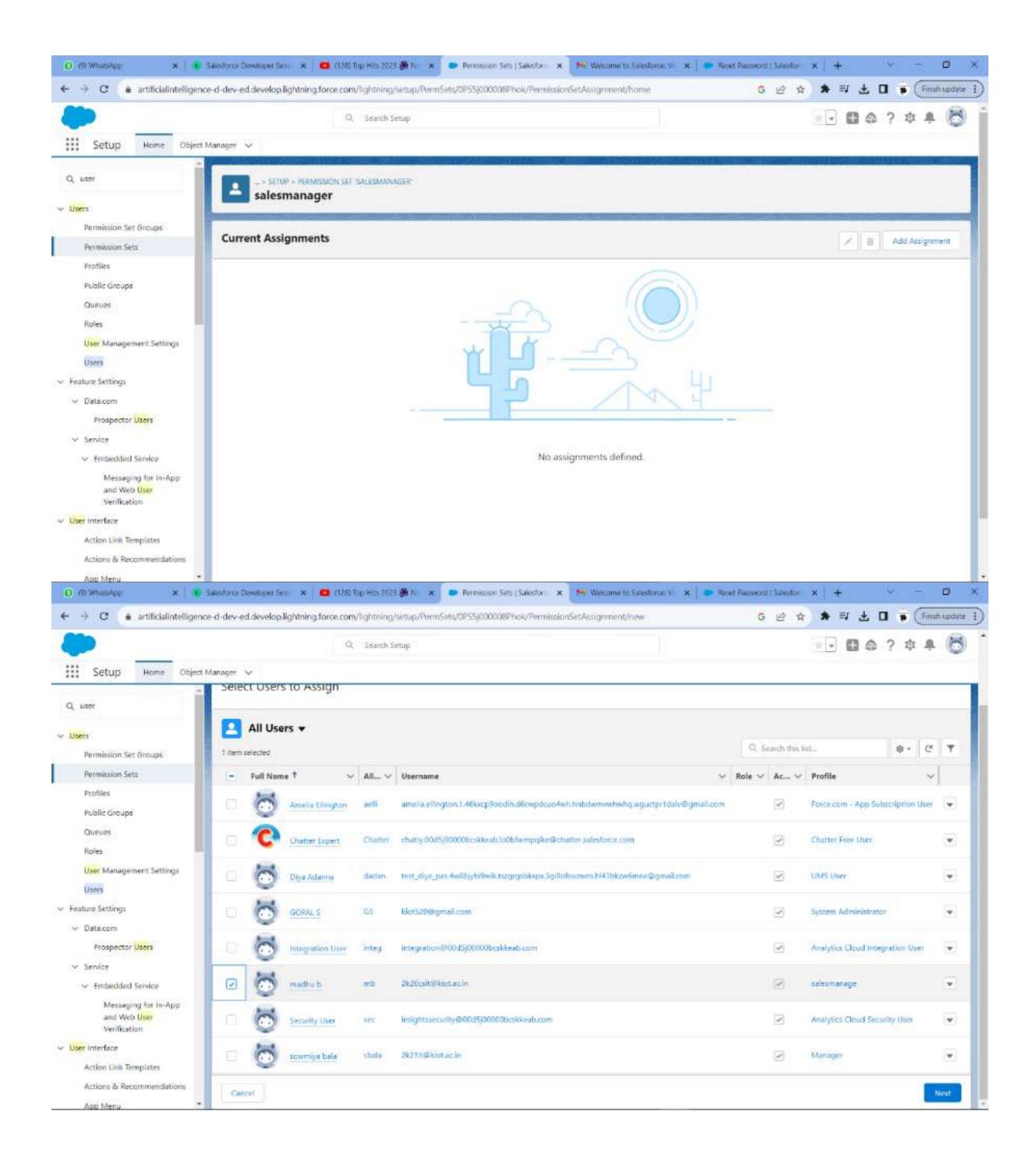
• Test the setup by logging in as User A and User B separately to verify that they cannot access each other's records.

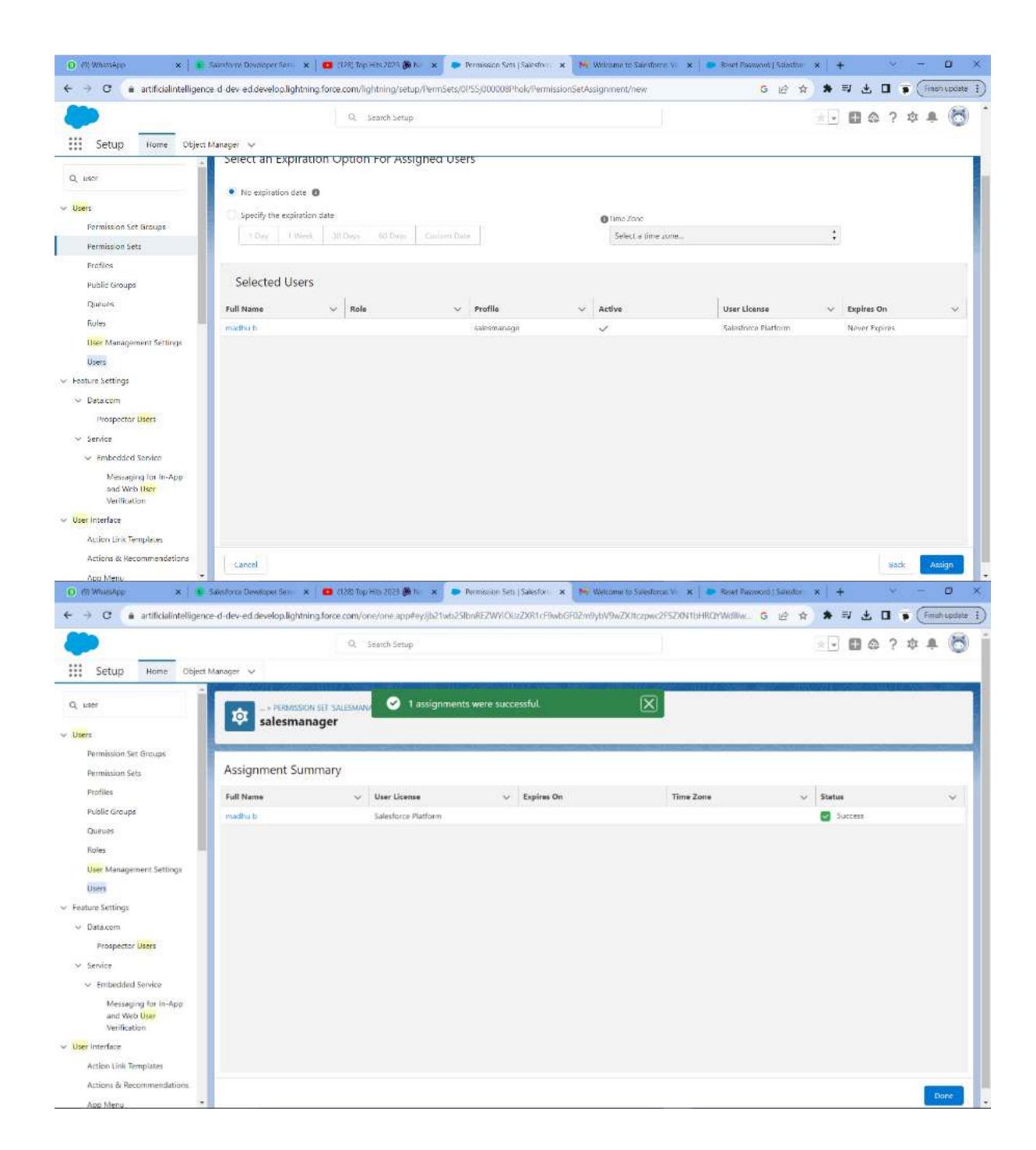


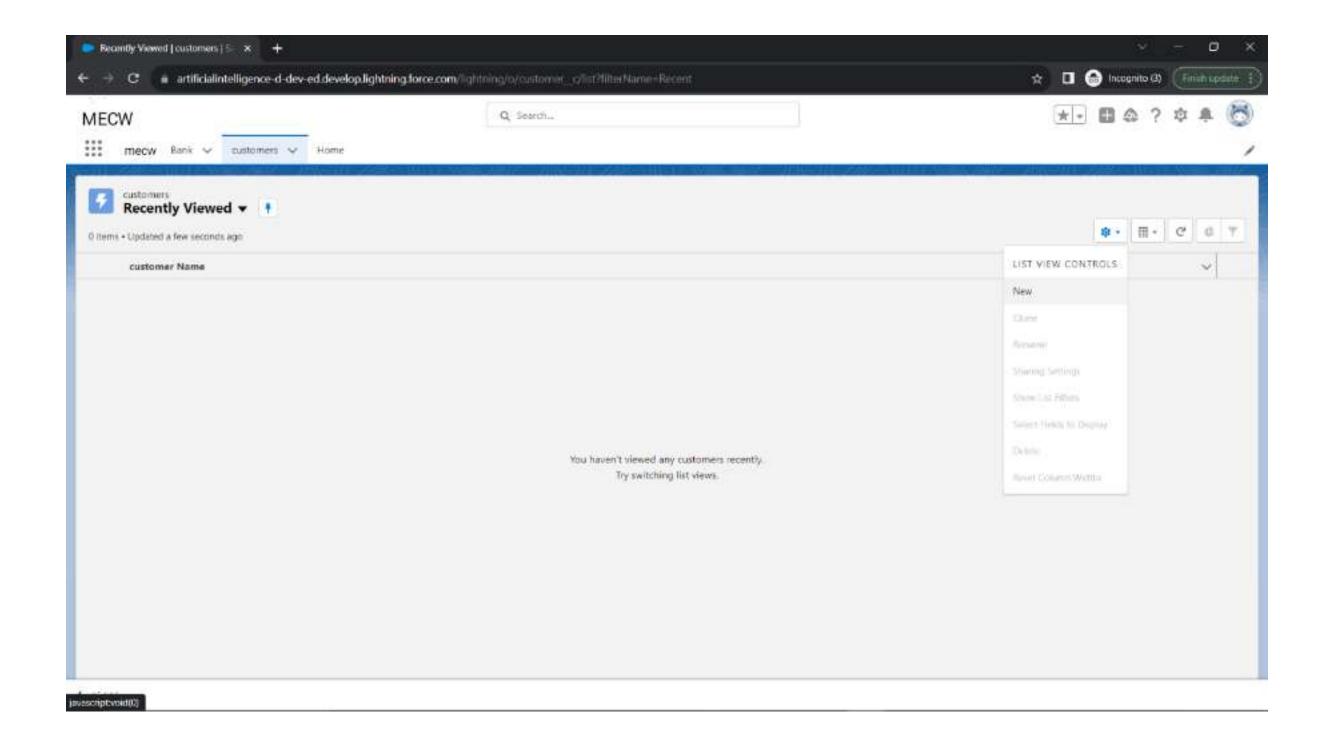










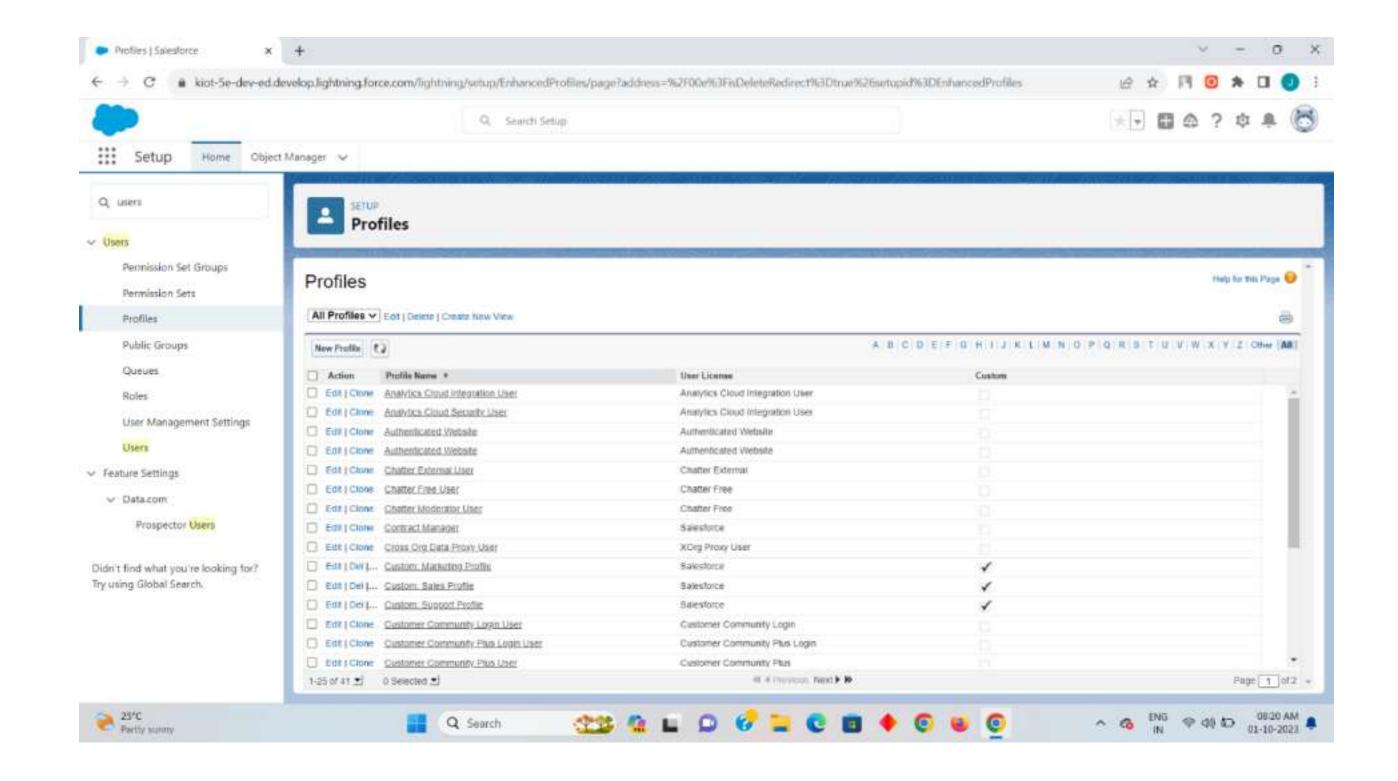


3.. Suppose there are 2 Users and they are having Create, Read, Edit access on Account Object with the same profile but we want to open up the access for one user to delete how will you implement the Security setting.

#### Solution:

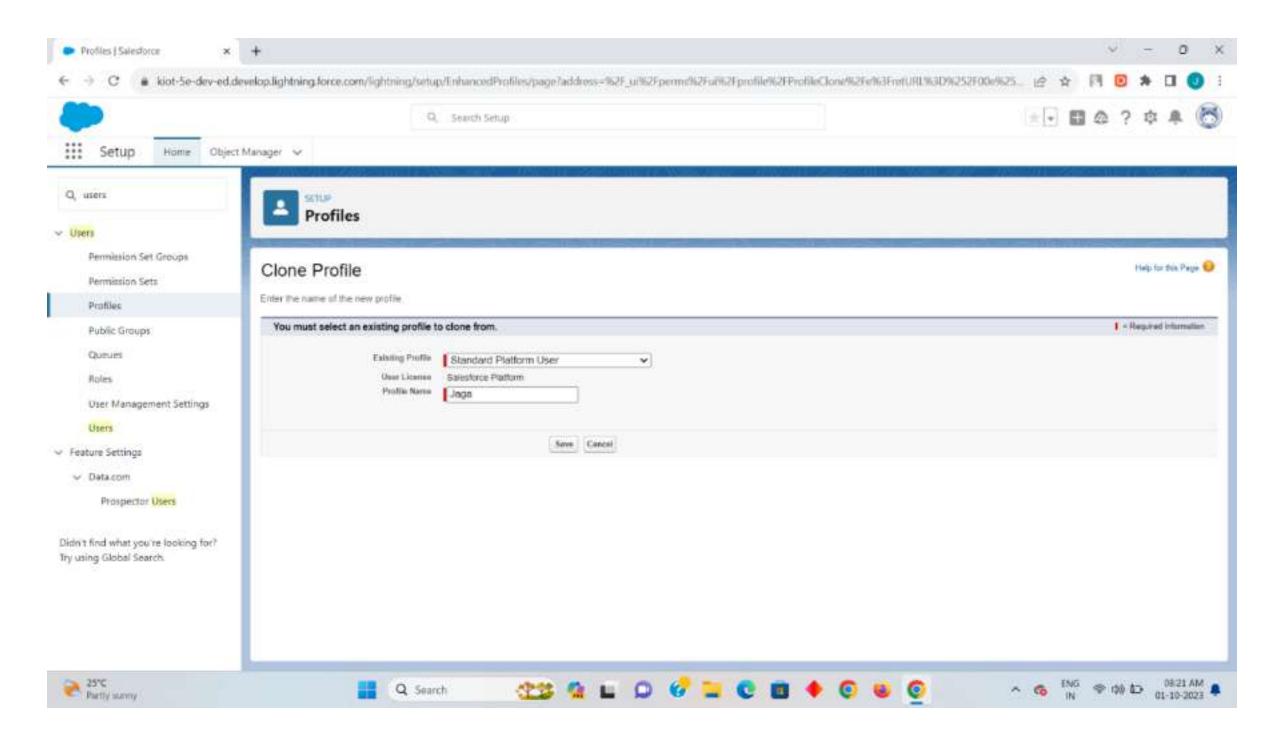
Step 1: we need create a profile for the two user which has the access to Create, Read, Edit for follow as per.

Setup-quick search[profile]



#### Step 2:

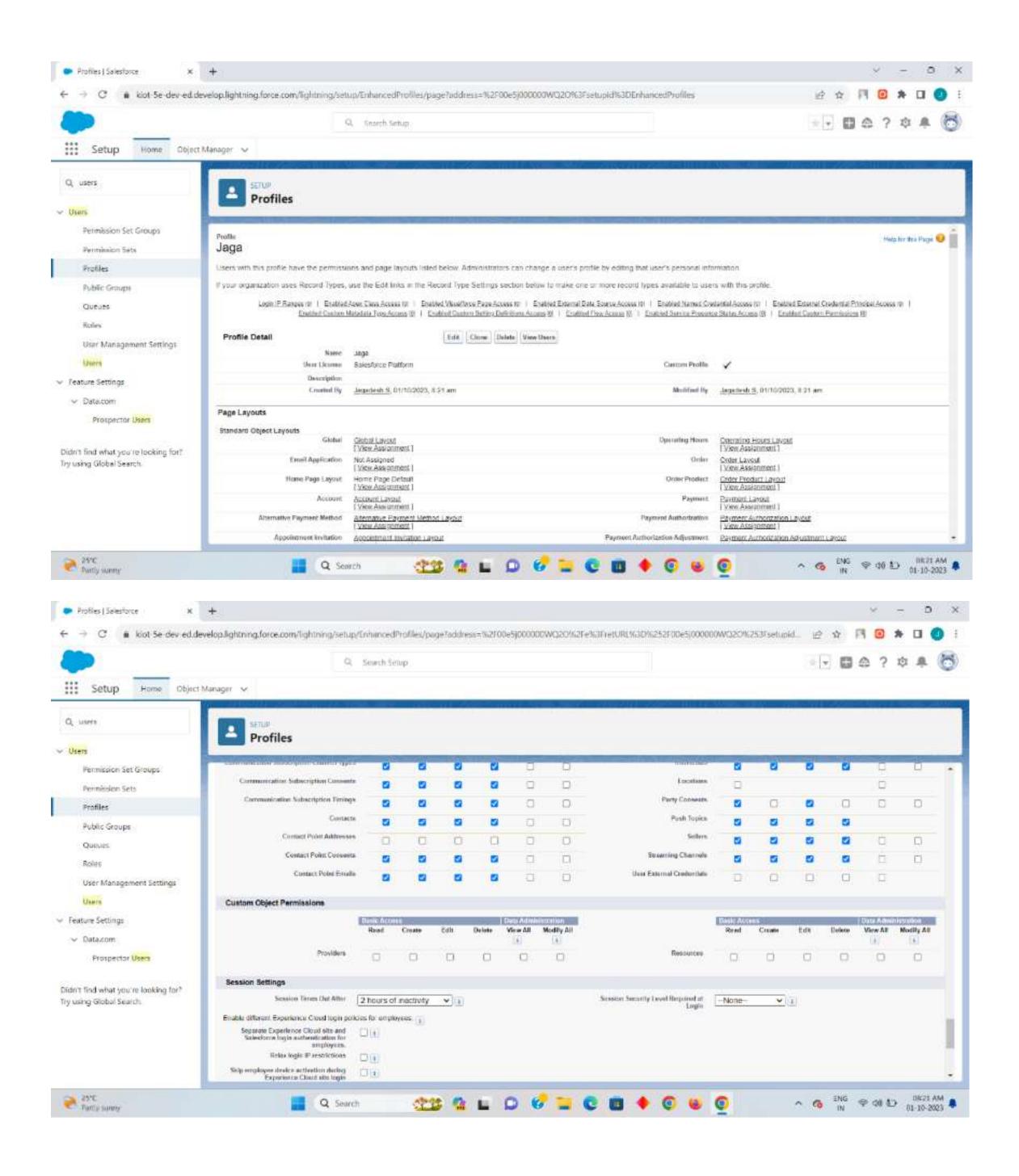
Click on the new to create a new profile along with the label and Api

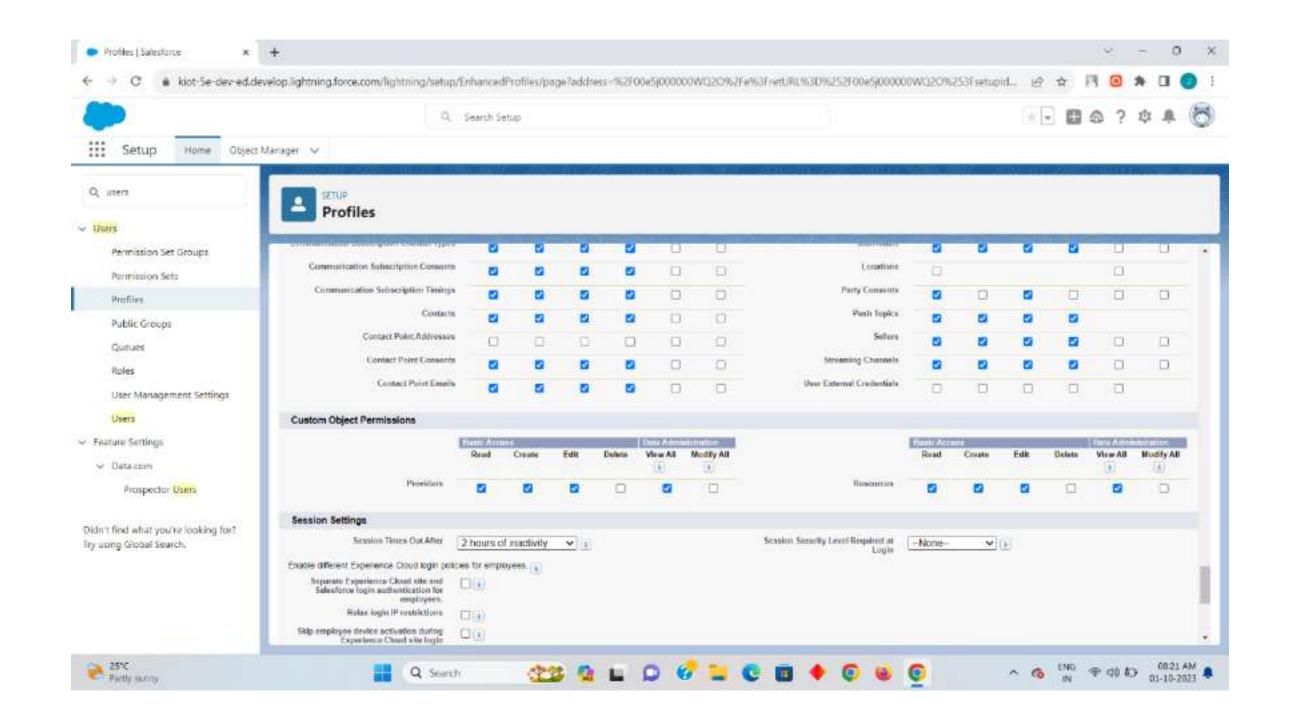


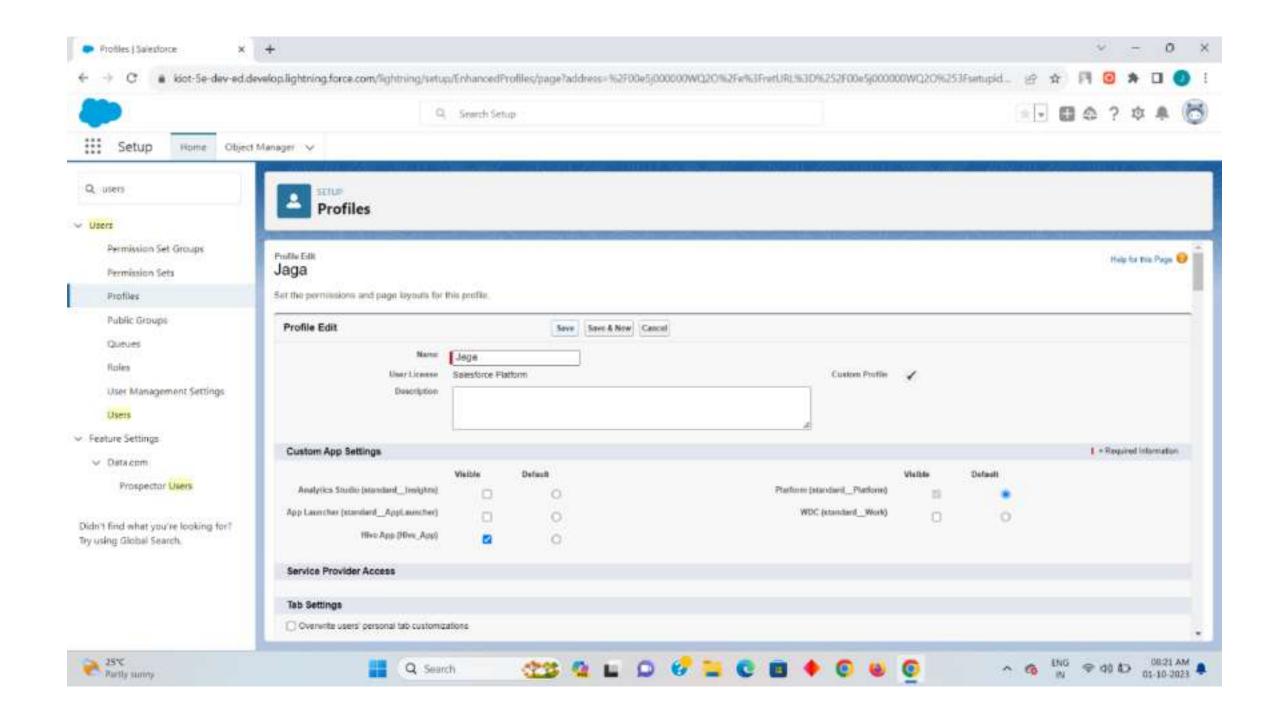
Here I had made it my profile name as Jaga and the existing profile as Standard Platform User.

#### Step 3:

Now click on the edit and scroll down to custom object settings and enable the read, create, edit and view options. After that click on save.

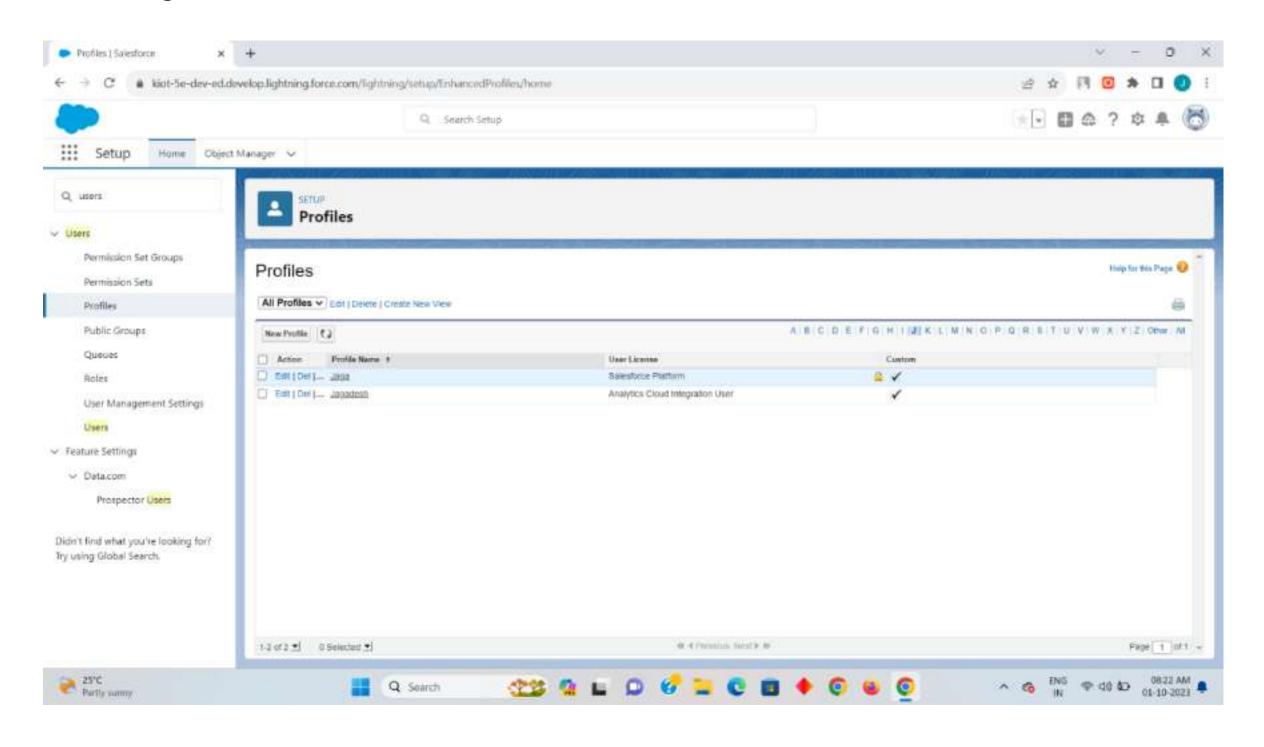






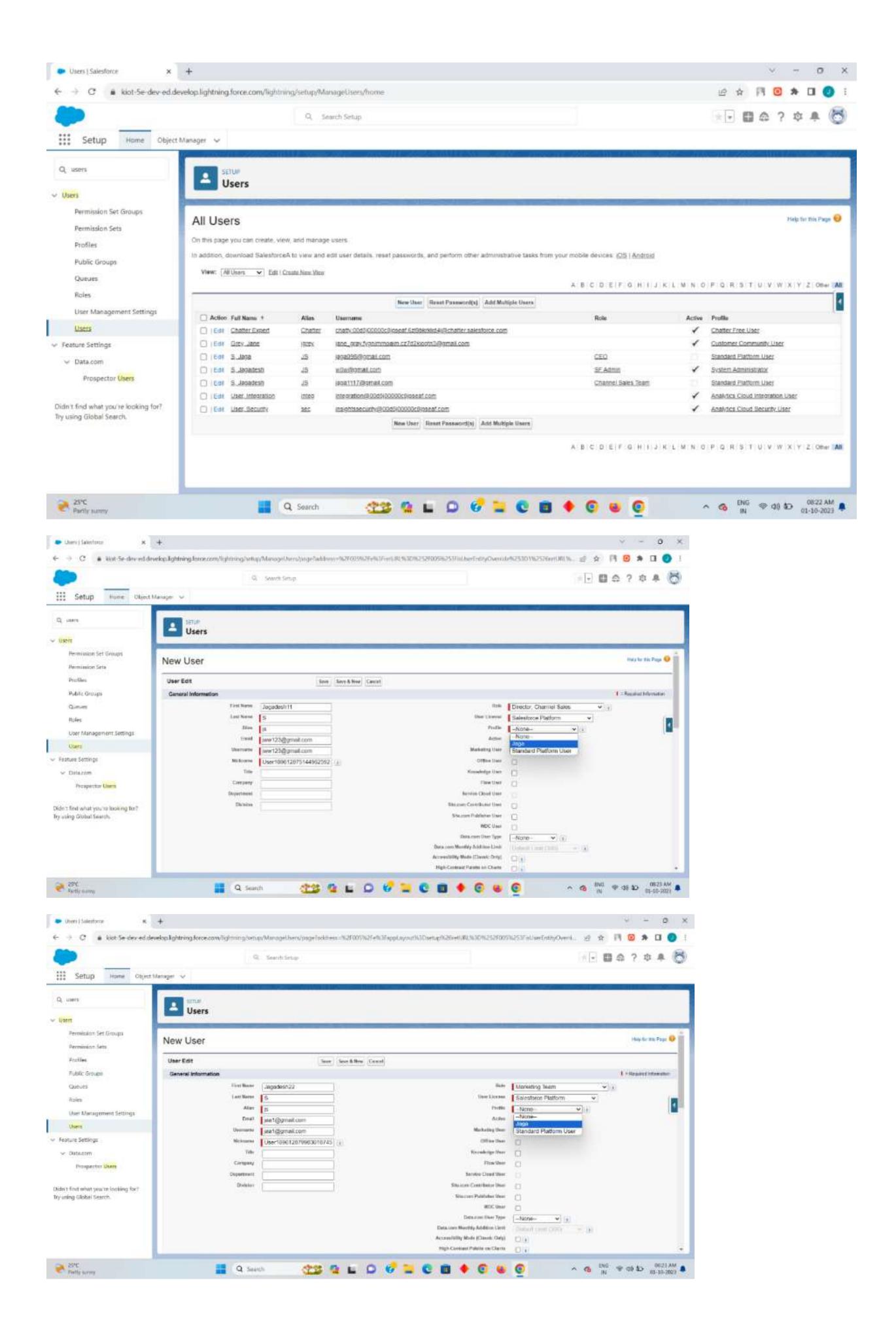
#### Step 4

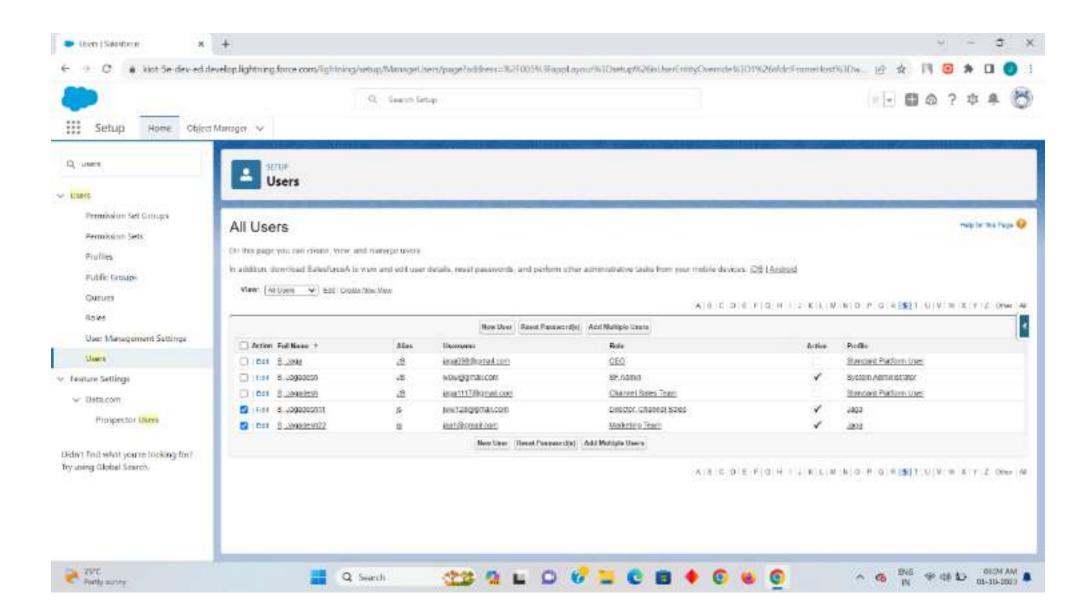
Now you can preview your created profile on the profile option here my profile name jaga has been created with the access of read, create, edit along with view on it



#### Step 5:

Now create two users by enter into the Setup-quick search[user] and then click on new user after clicking that you need to create two user along with the profile as Jaga which we have created on the step 2. Ince the one user has been created click on the savednew so that you can create the second user and there the user name can been created with alternate name but with the same user profile and once the two user are create click on save.





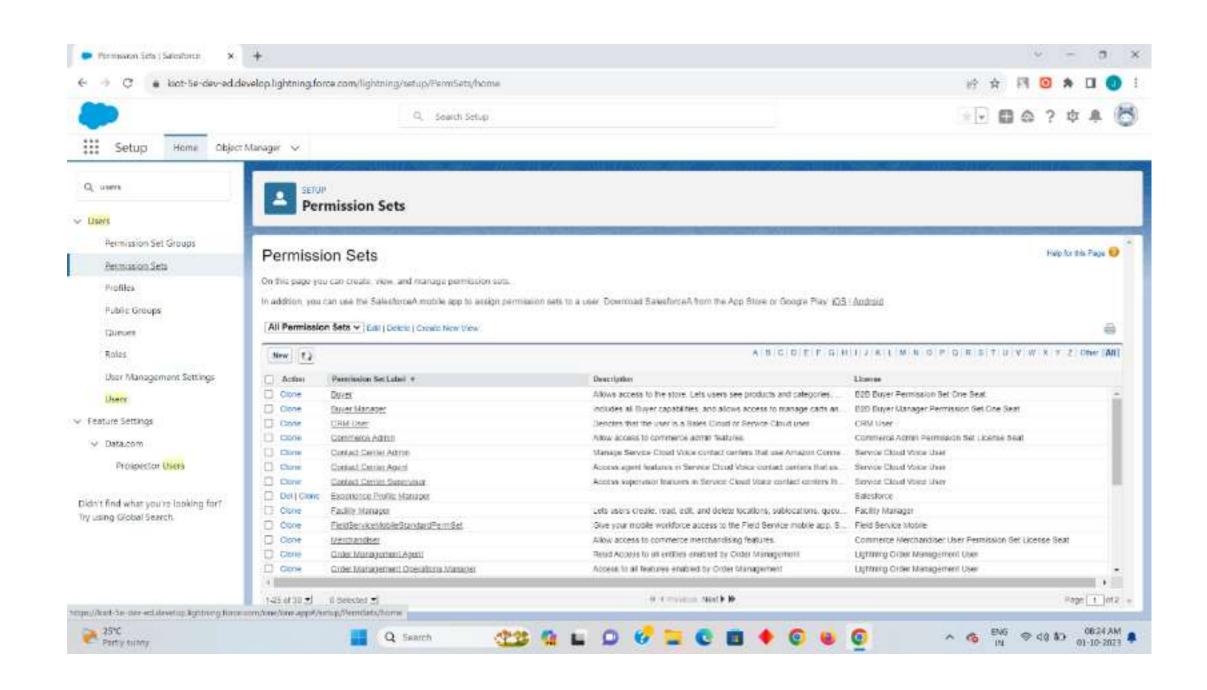
Now you can preview your two user that you have created in my side I had create the two users a Jagadesh 11 and Jagadesh 22 as a director channel sales with the marketing team.

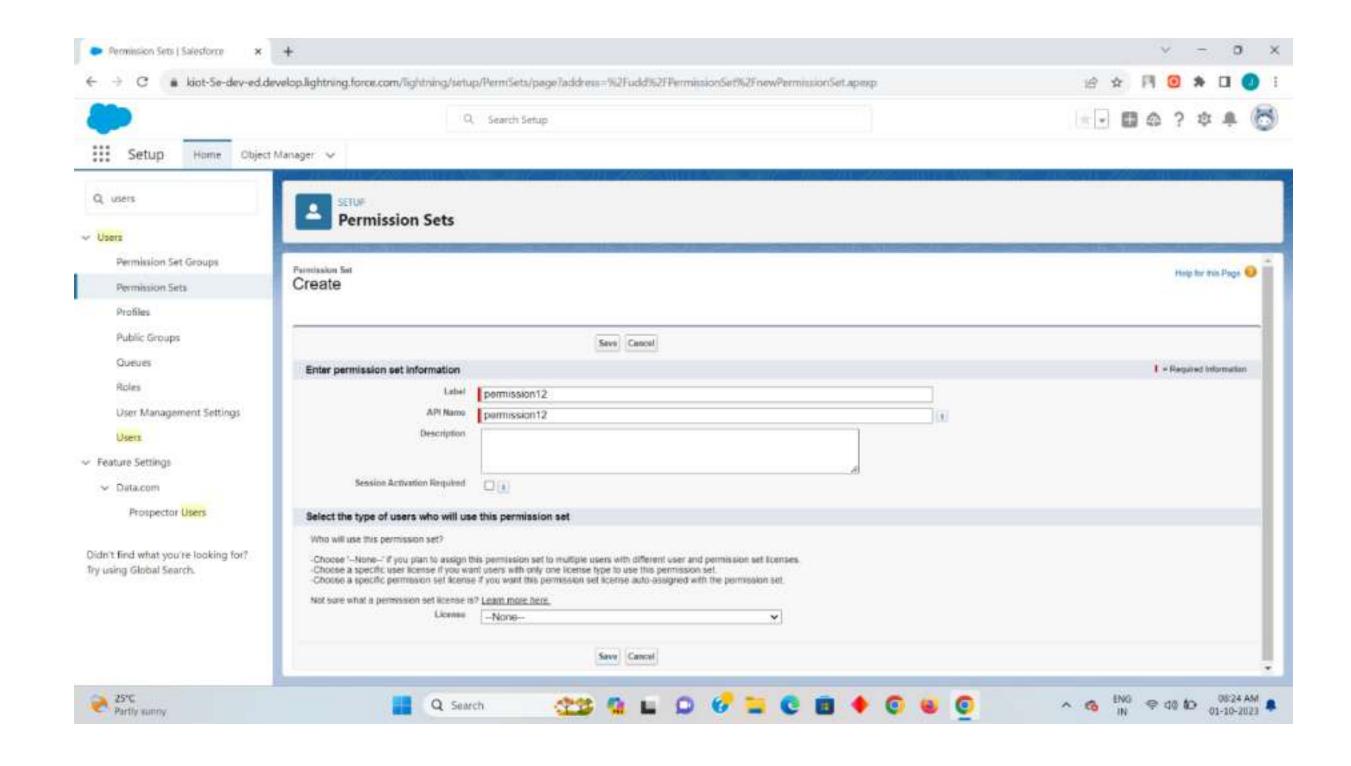
#### Step 6:

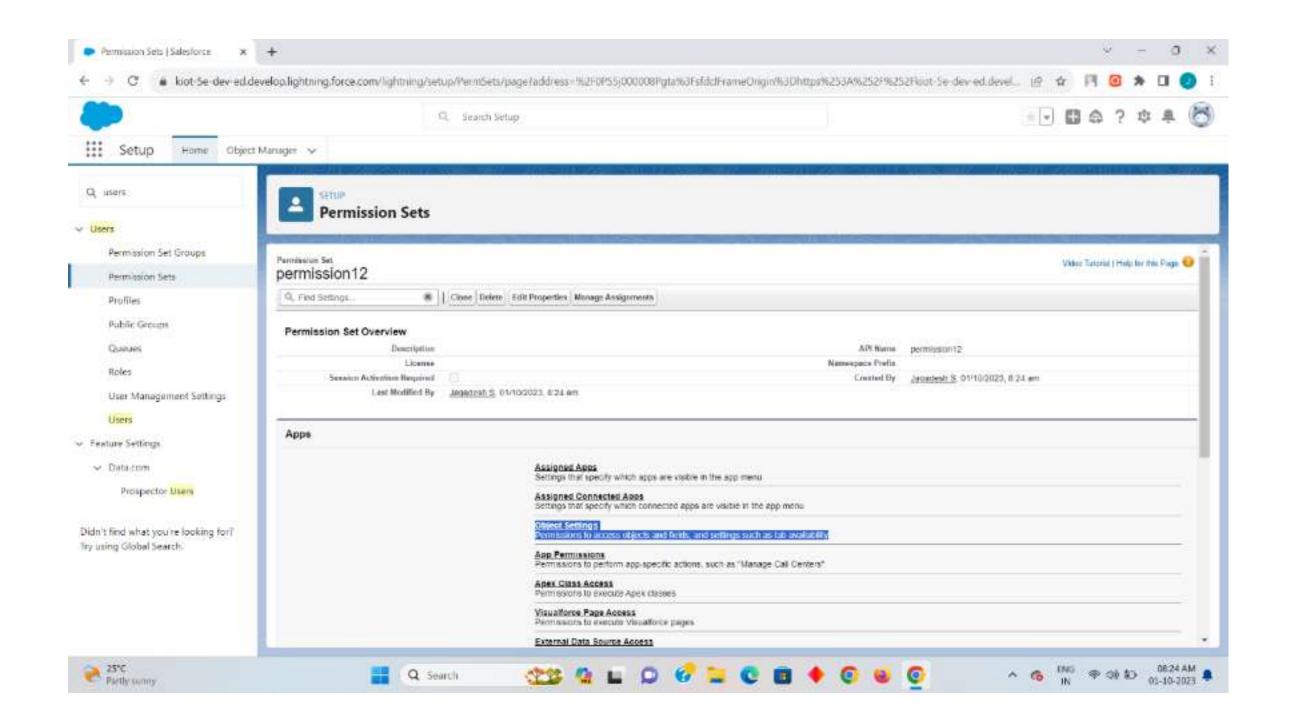
Now the two user as been created with the profle so that two user can perform the Create, Read, Edit and view on both the user. So as per the given task we need to allocate a specific access as delete on one user for that we need create a permission set for one user so it can created as

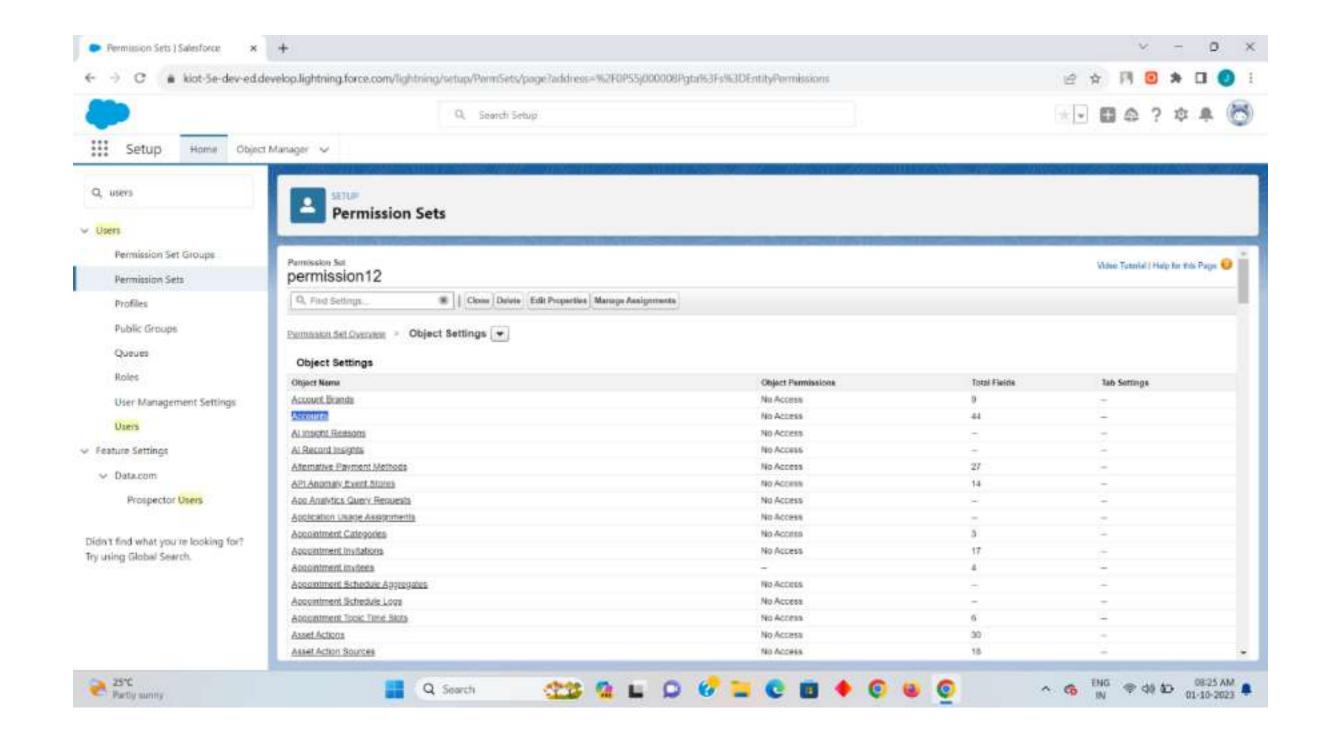
setup-quick search[permission set]-new-fill

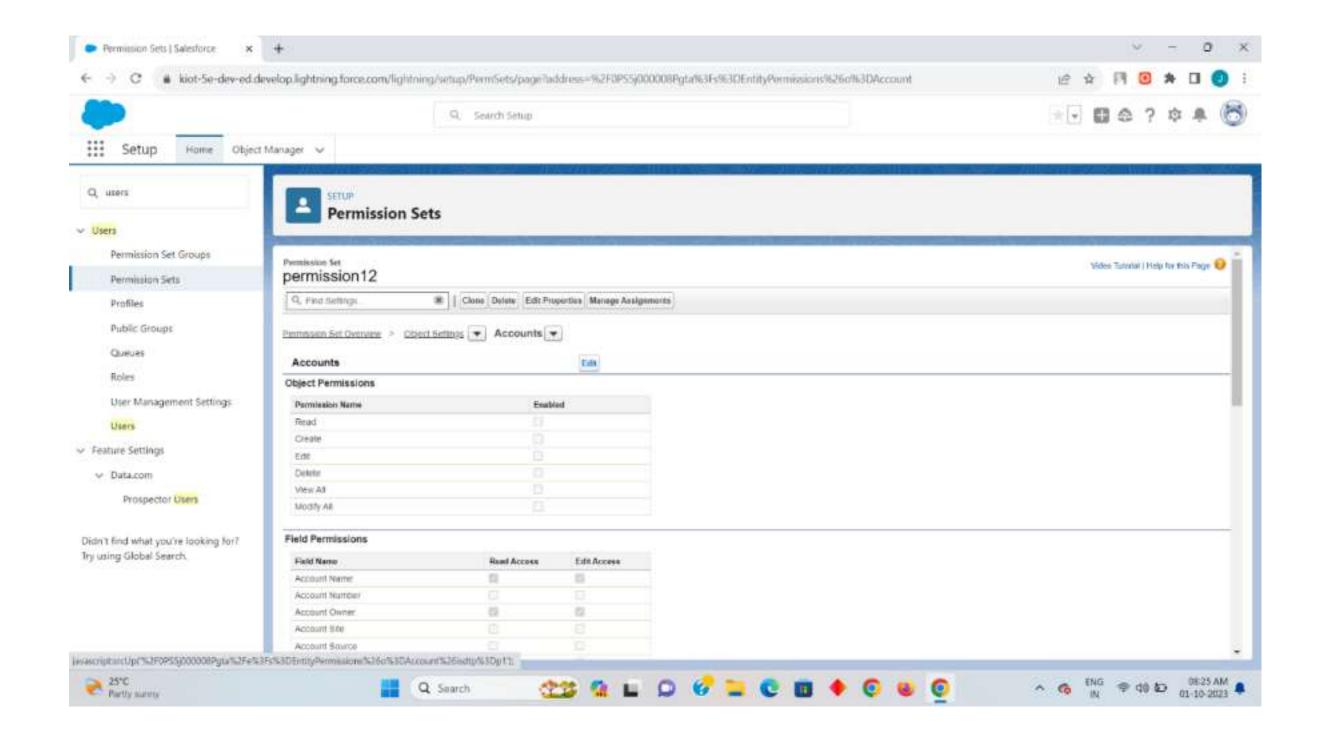
## label name [aut select the API name]-click on save-object settings-accounts.





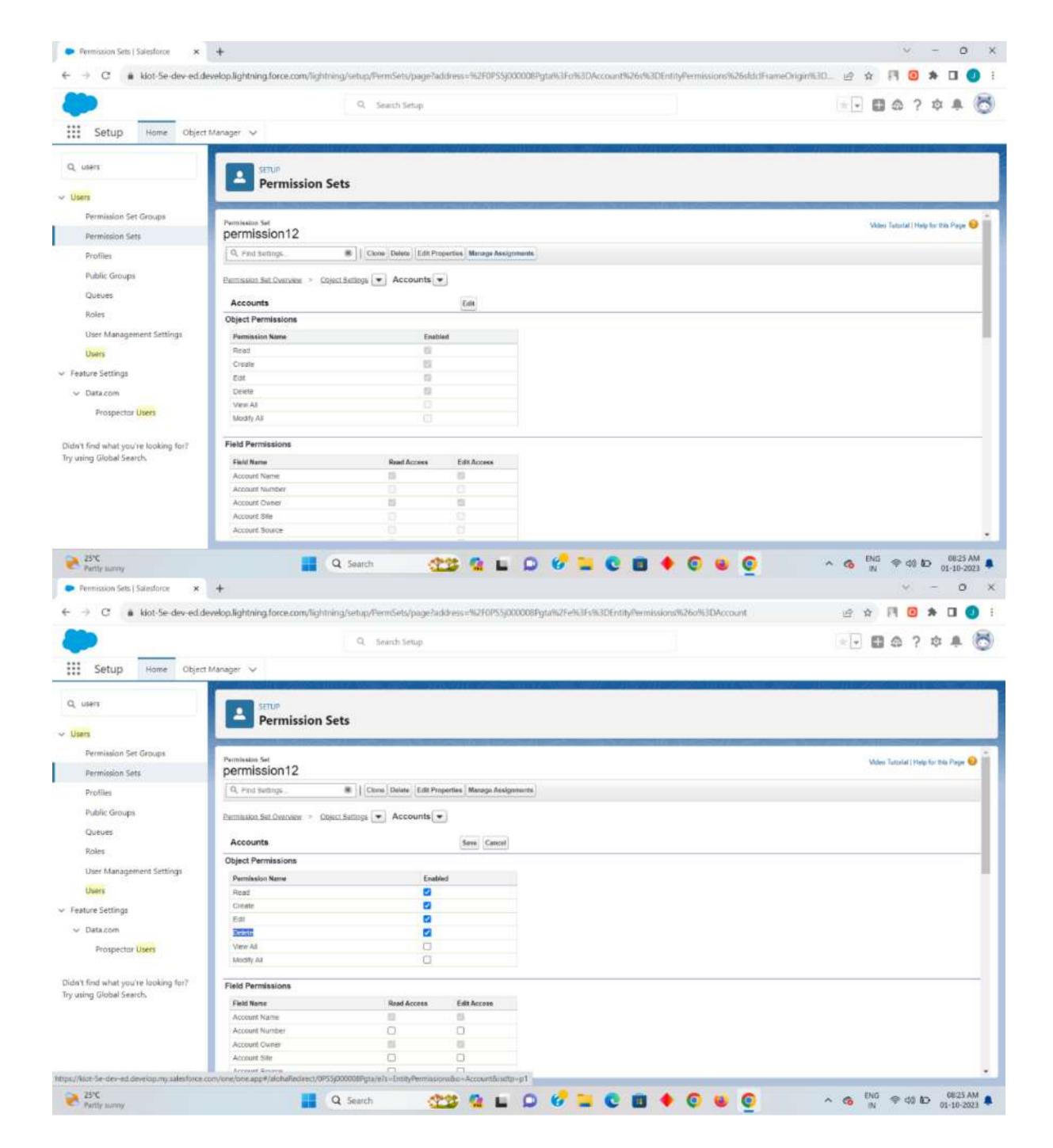






#### Step 7:

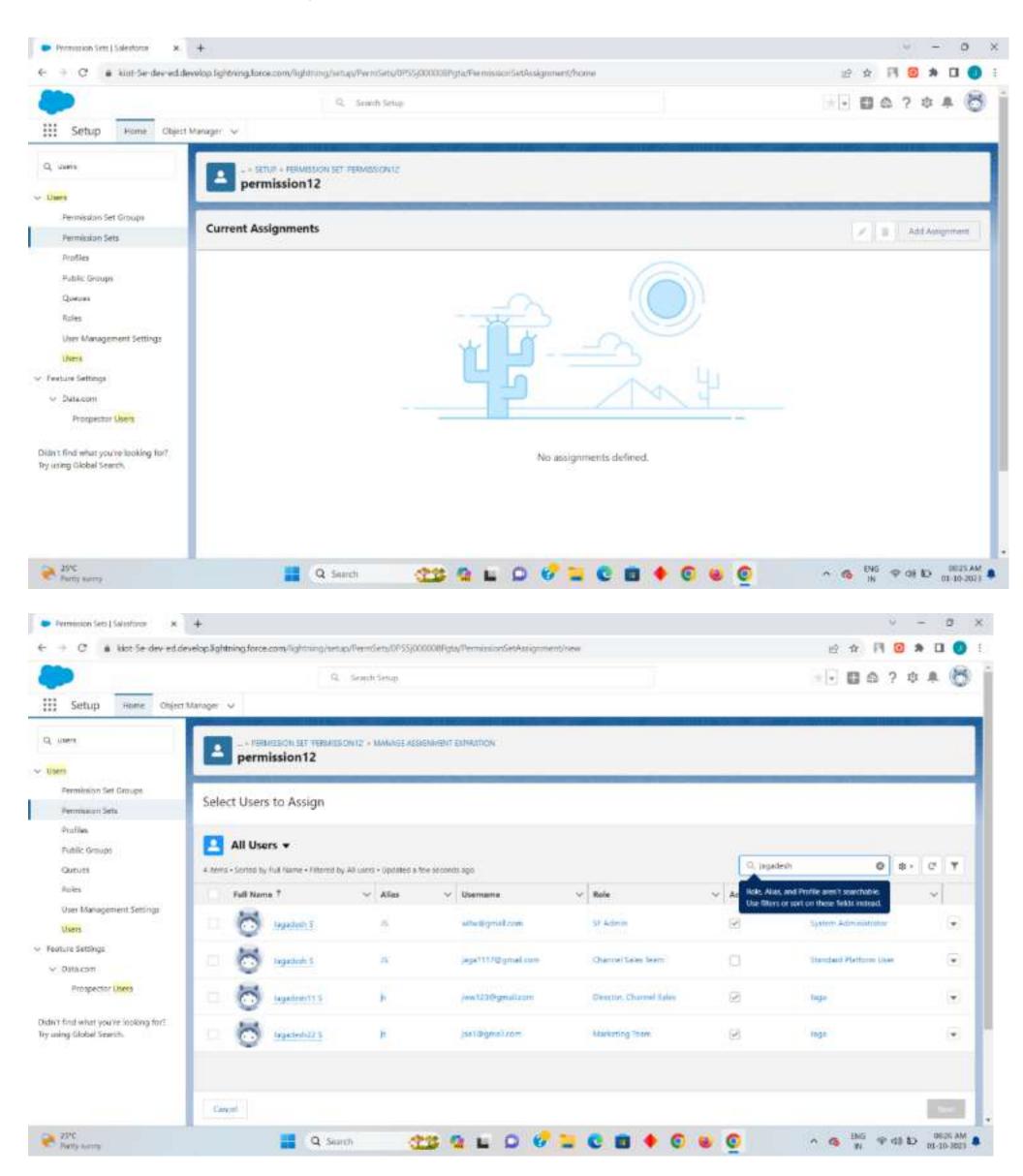
Now to give the specific delete access to the user click on edit on the Account and then enable the read, create, edit and the delete on it so that the permission set will have a specific special access on it. Once it has been done click on save and then click on manage assignment.

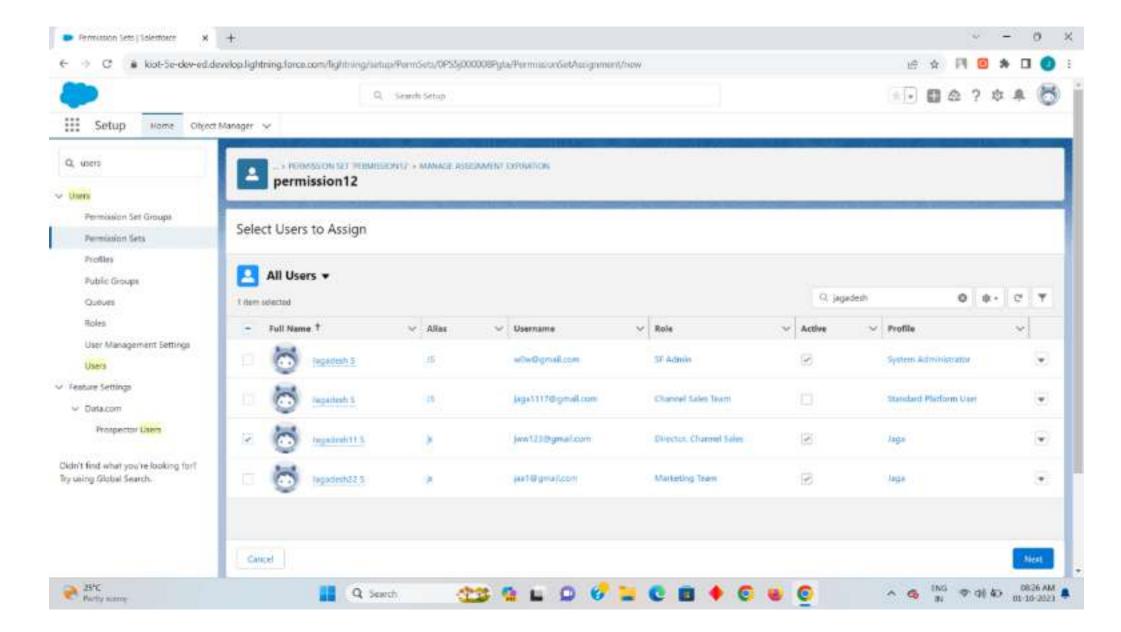


Step 8

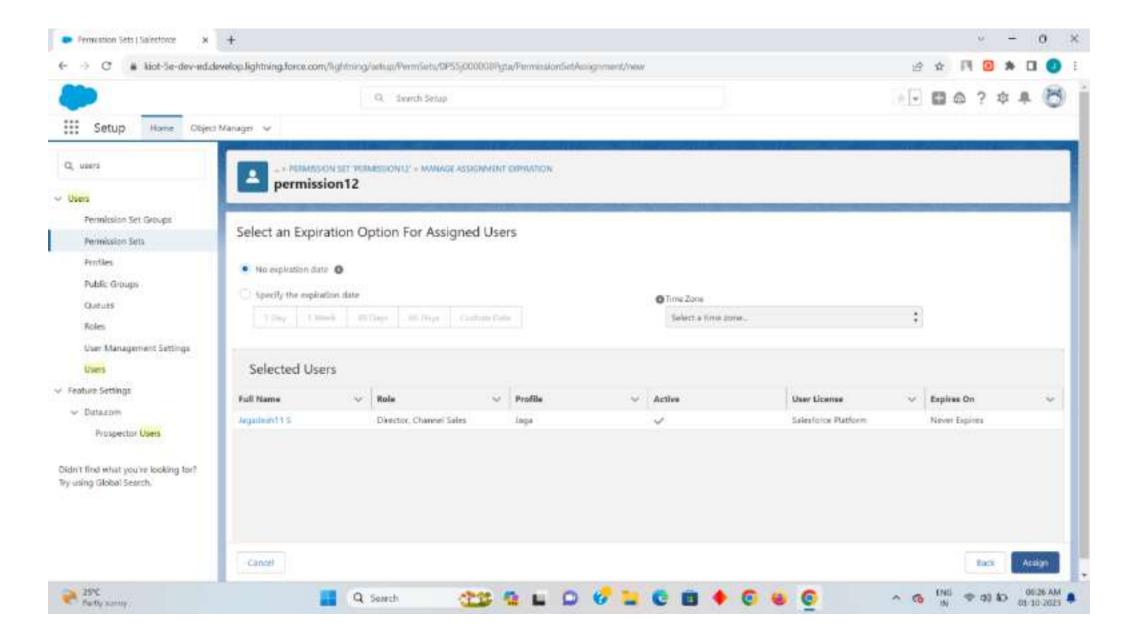
Now click on add assignment there you will find your two created users click on any one user to give a special access as delete on it and then

## click on assign so that the specific selected user can have a special access as delete on it.

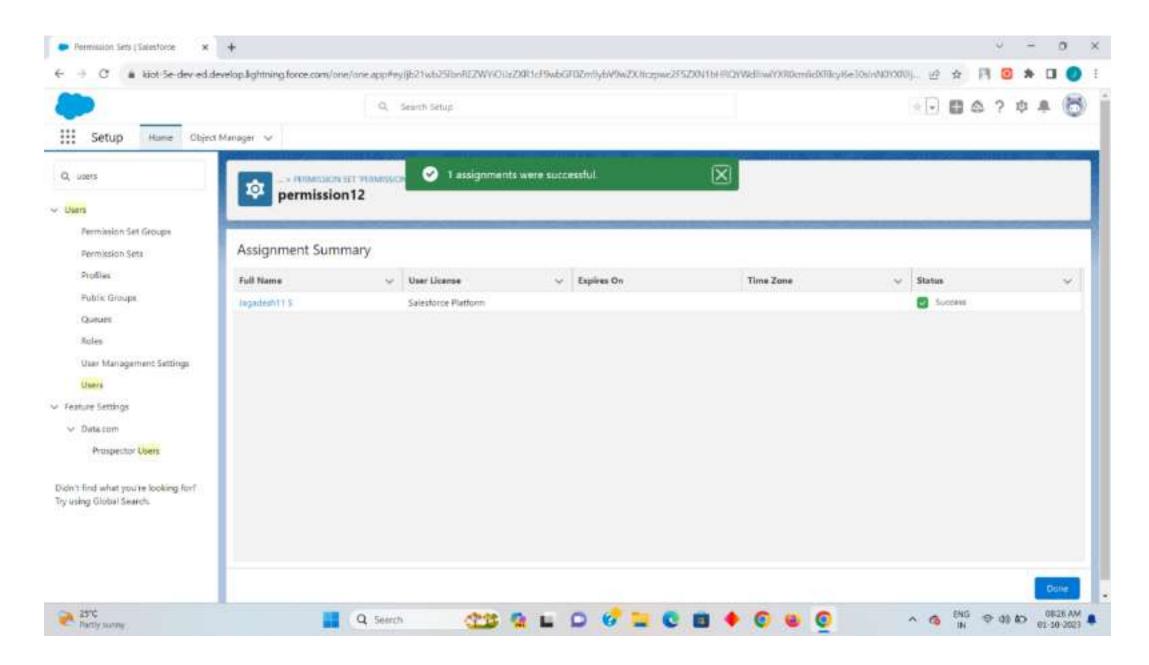




#### Click on next.



New click en Assign.



Now the specific access for the Jagadesh 11 user has been assigned successfully.

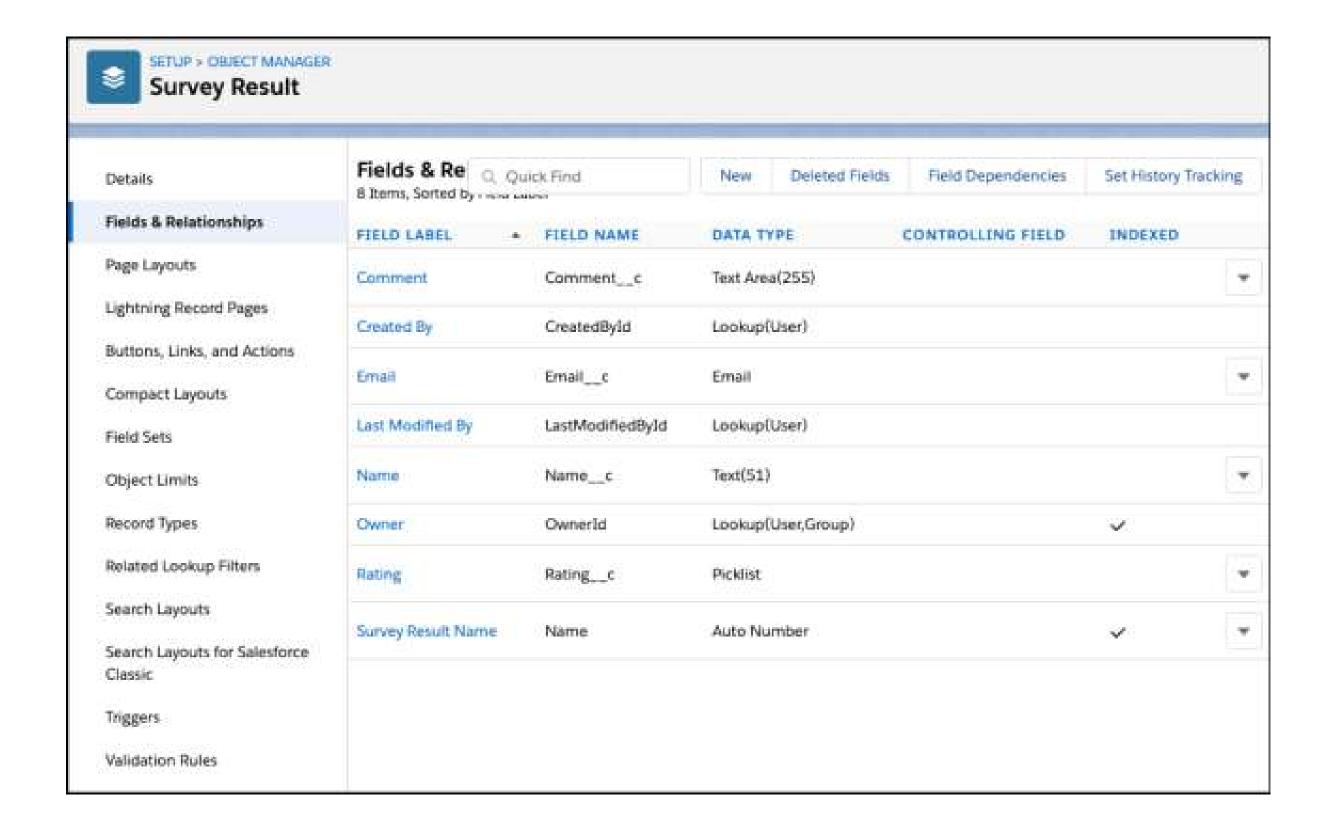
4. Create a screen flow for a basic survey to fill in the details for any form.

Solution:

Step 1: Create a Custom Object

The next step is to create a custom object Survey Result and a few custom fields to store survey responses.

- 1. Click Setup.
- 2. In the Spject Manager, click Create | Custom Spject.
- 3. Now create a custom object Survey Result and fields as shown in the screenshot below:
- 4. Click Save.



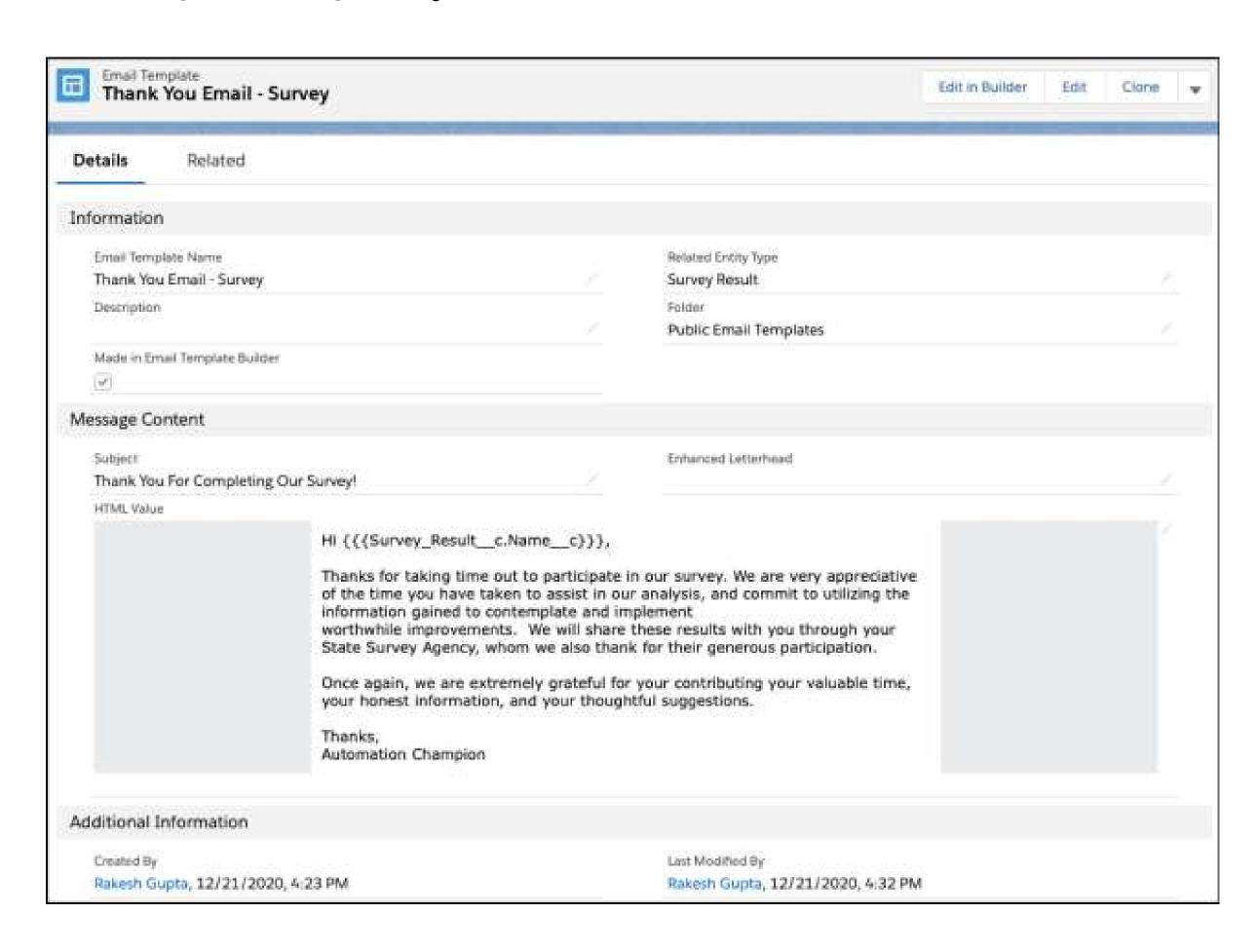
## Step 2: Create a Thank You For Survey Lightning Email Template

- 1. Click App Launcher.
- 2. In the Quick Find bex, type Email Tempilates.
- 3. Clicks on the New Email template button.
- 4. Name the Lightning Email

  Template and make sure to store it in

  the Public Email Templates folder.

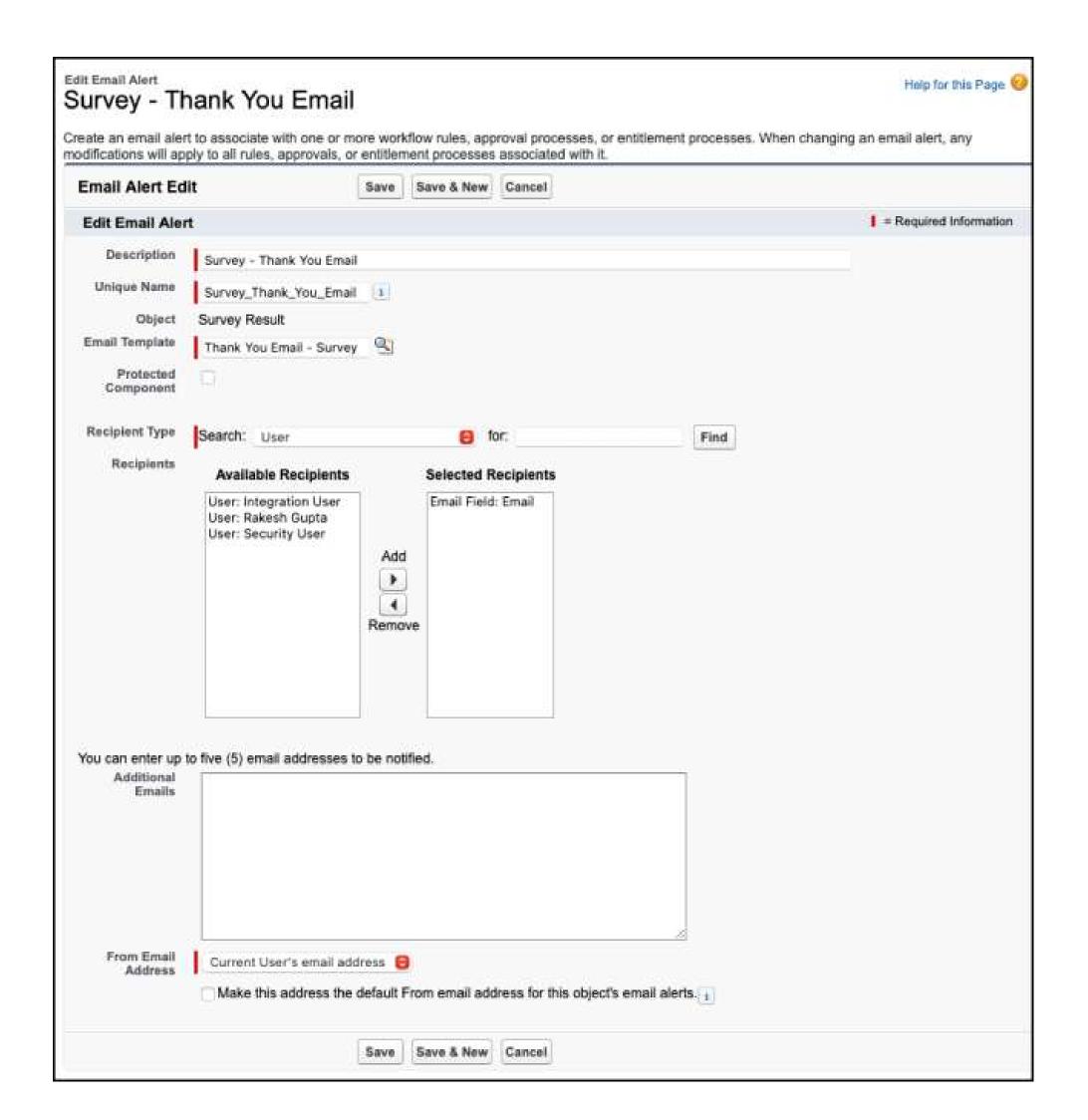
## 5. Create a template like the full wing screenshut.



### Step 3: Create an Email Alert

- 1. Click Setup.
- 2. In the Quick Find box, type Email Alerts.

- 3. Select Email Alerts, click on the New Email Alert button.
- 4. Name the Email Alert and click the Tab butten. The Unique Name will pepulate.
- 5. For Object se'lect Survey Result.
- 6. For the Email Template chooses Lightning Email Template Thank You Email Survey.
- 7. For Recipient Type select Email Field: Email.
- 8. C'lick Save.



## Step 4.1: Salesforce Flow - Create a Screen that Allow Users to Fill Survey

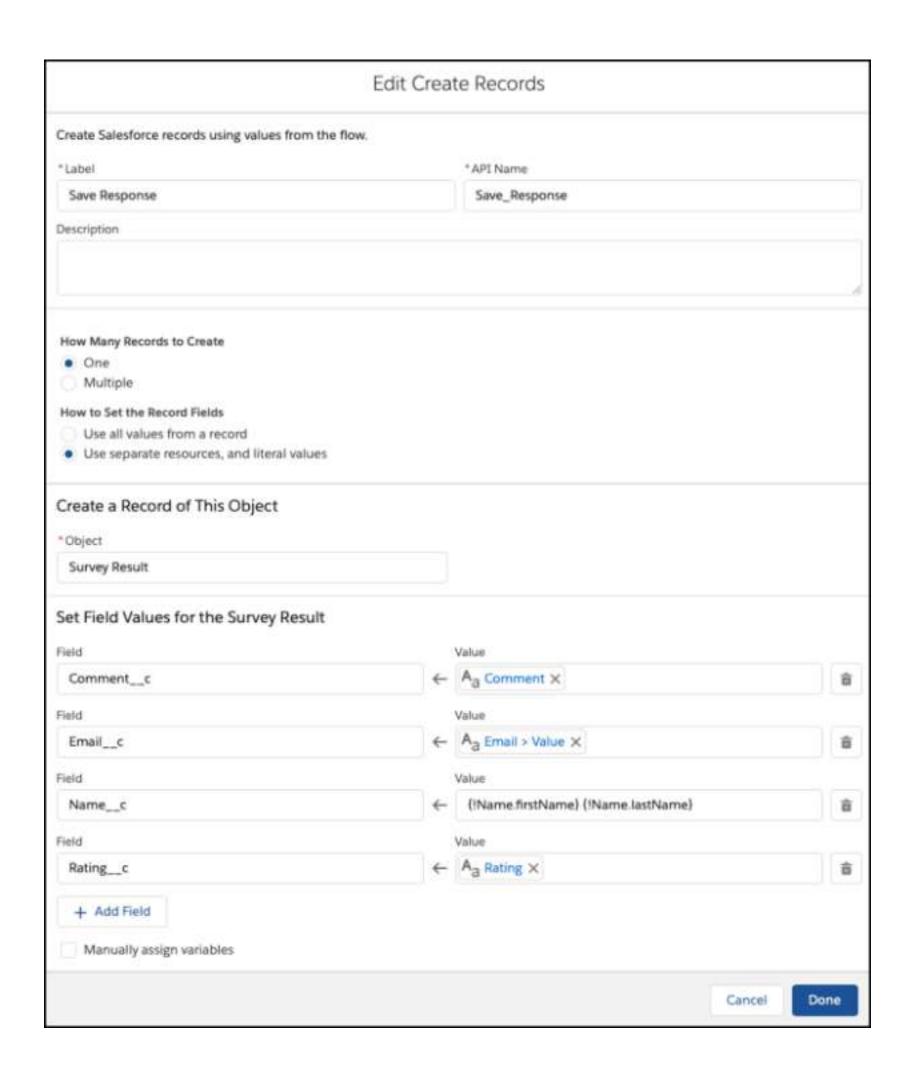
- 1. Click Setup.
- 2. In the Quick Find box, type Flows.
- 3. Select Flows then click on the New Flow.
- 4. Select the **Screen Flow** option and click on **Next** and configure the flow as follows:
  - 1. How do you want to start building: Freeform

5. We will use the **Screen** element to capture a **Survey response** form. Drag and drop a **Screen** element onto the canvas.

Step 4.2: Salesforce Flow – Add a Record Creates Element to Save Survey Response

- 1. Drag-and-drop the Create Records element onto the Flow designer.
- 2. Enter a name in the Label (Save Response) field; the API Name will auto-populate.
- 3. For How Many Records to Create select One.
- 4. For How to Set the Record Fields select Use separate resources, and literal values.
- 5. Select the Survey\_Result\_\_c bject from the dropdown list.
- 6. Set Field Values for the Survey Result
  1. Row 1:
  - 1. Field: Comment\_c
  - 2. Value: {!Comment}
  - 2. C'lick 'Add Row

- 3. Rew 2:
  - 1. Field: Email\_c
  - 2. Value: {!Email.value}
- 4. Click Add Row
- 5. Rew 3:
  - 1. Field: Name\_c
  - 2. Value: {!Name.firstName} {!Name.lastName}
- 6. Click Add Row
- 7. Rew 3:
  - 1. Field: Rating\_c
  - 2. Value: {!Rating}
- 7. C'lick Dene.



Step 4.3: Salesforce Flow – Call an Acton – Email Alert to Send Out Thank You Email

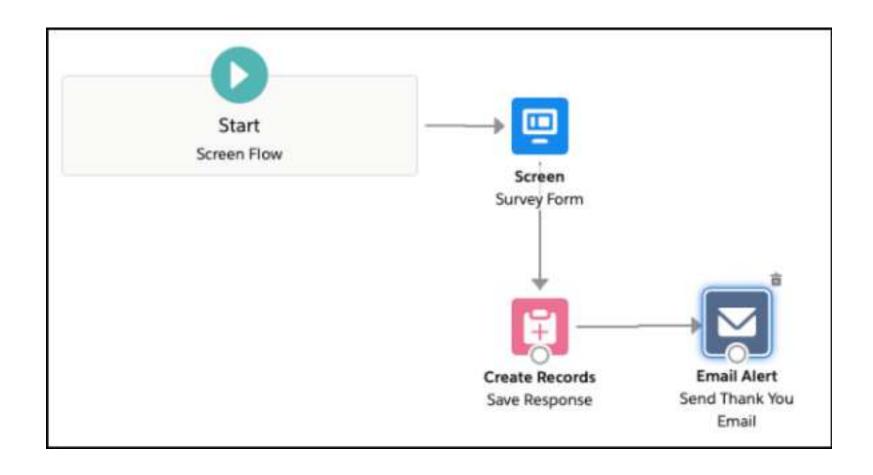
The next step is to call the Survey - Thank You Email email alert from flow so that when flow fires it triggers the thank you email to survey participants.

- 1. Under Torilbox, seilect Element.
- 2. Drag-and-drop Action element onto the Flow designer.

- 3. In the Action box, type Survey Thank You Email.
- 4. Clicks on the Survey Thank You Email email alert.
- 5. C'lick Done.



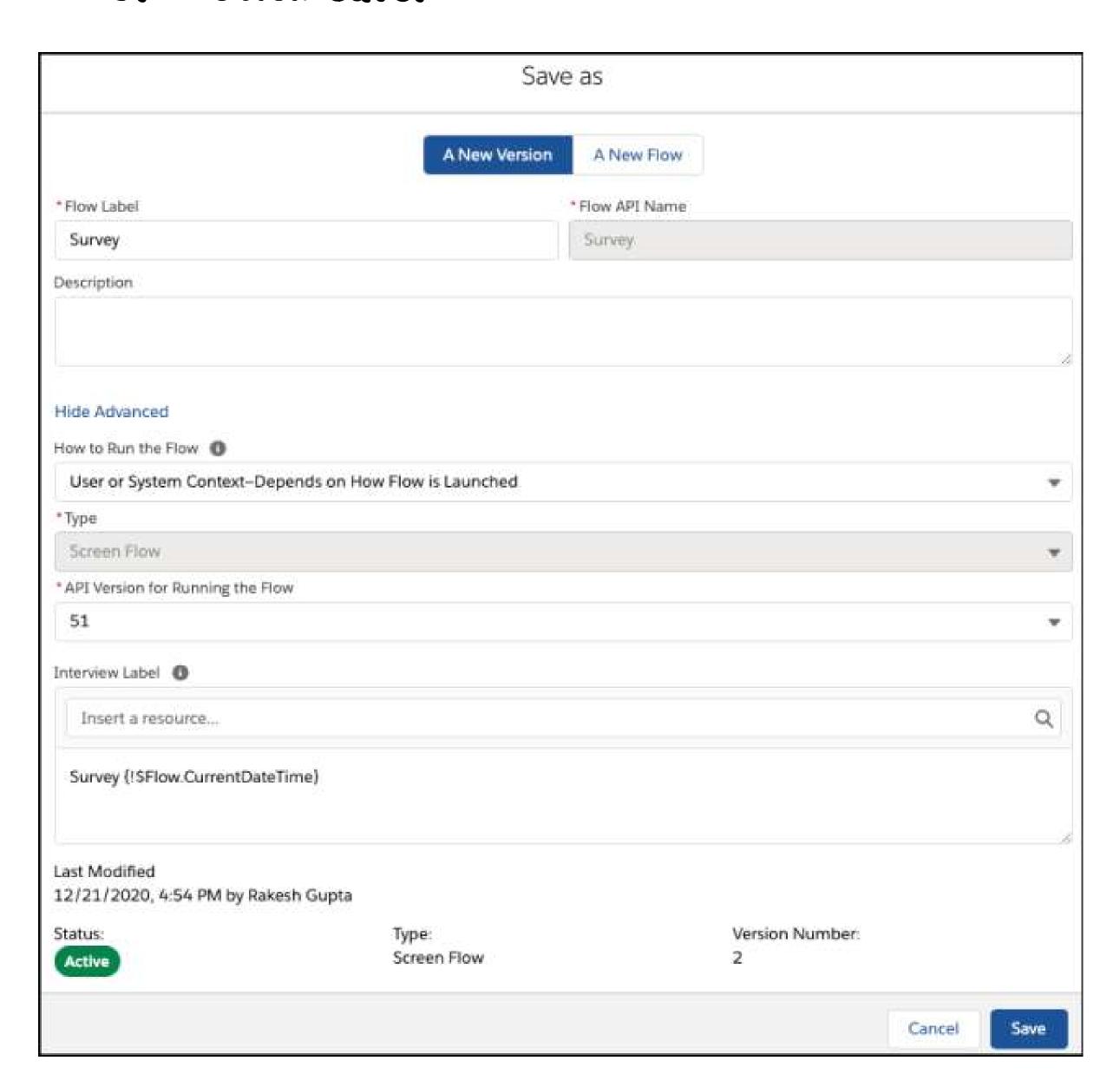
## In the end, Sergie's Flow will look like the fullowing screenshot:



- 1. Click Save.
- 2. Enter Flow Label the API Name will auto-populate.

- 3. Click Show Advanced.
- 4. How to Run the Flow: User or System

  Context— Depends on How Flow is Launched
- 5. Type: Screen Flow
- 6. API Version for Running the Flow: 51
- 7. Interview Label: Survey {!\$Flow.CurrentDateFime}
- 8. C'lick Save.



Step 5: Create a Lightning Application to Render Lightning Runtime for Flow in a Visualforce Page

Now we will create a Lightning Application that declares a dependency on the lightning: flow component.

- 1. Click Setup | Developer Console
- 2. Navigate to File | New | Lightning Application
- 3. Enter a Name (VFPageTell) field, make sure to select the Lightning Out Dependency App checkbox.
- 4. Click Submit.
- 5. Copy code from GitHub and paste it into your Lightning Appilication.
- 6. Save your code.

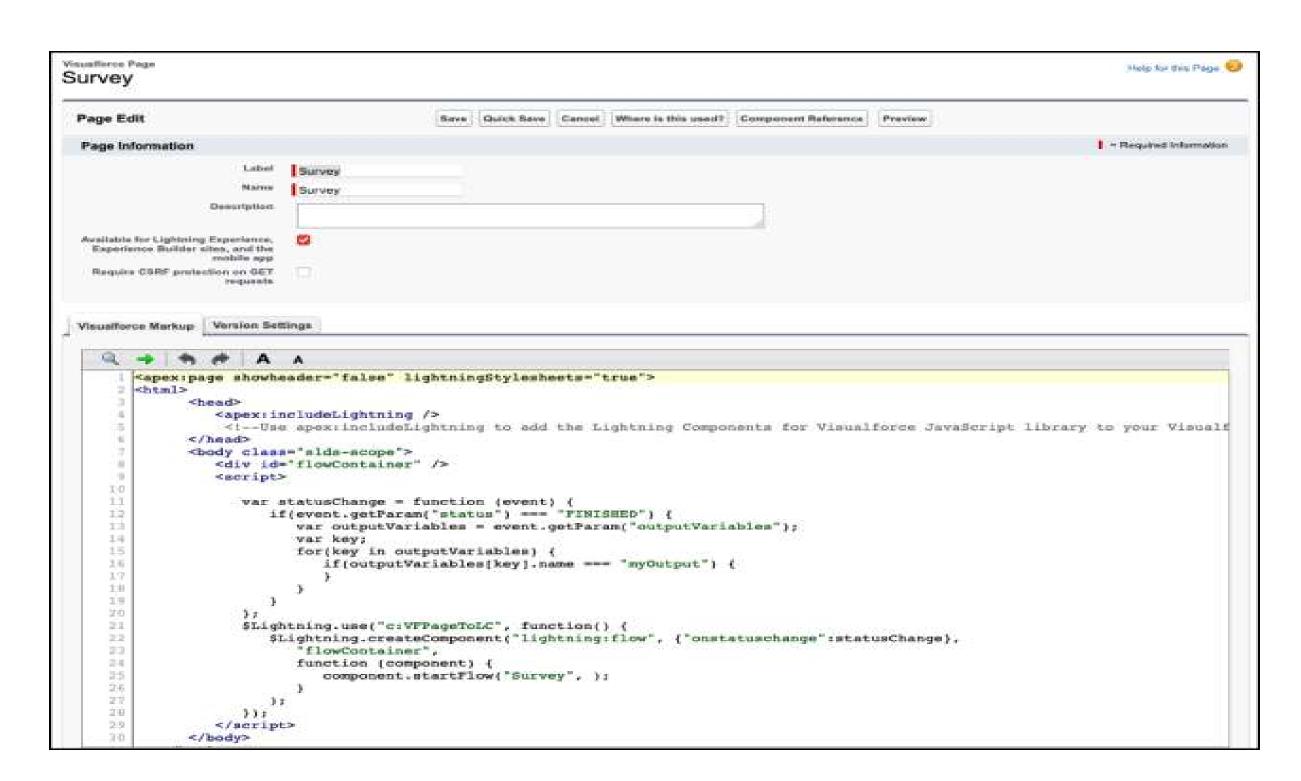
### Step 6: Create a Visuailforce Page and Embed Your Flow Into It

Now we will create a Lightning Application that declares a dependency on the lightning: flow component.

Add the Lightning Components for Visualforce JavaScript library to your Visualforce page using the <apex:includeLightning/> component. In the Visualforce page, reference the dependency

# app. Then write a JavaScript function that creates the component on the page using \$Lightning.createComponent()

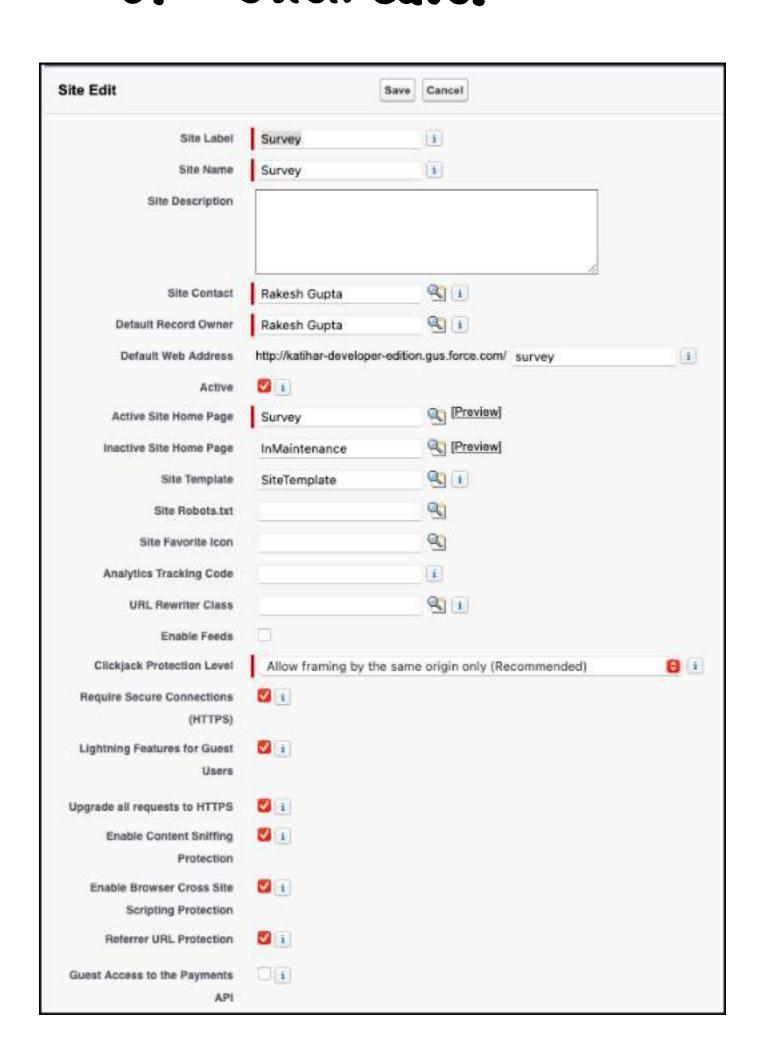
- 1. Click Setup.
- 2. In the Quick Find box, type Visualforce Pages.
- 3. Clicks on the New button.
- 4. Copy code from GitHub and paste it into your visualforce page
- 5. C'lick Save.



Step 7: Create a Force.com Site to open Your Flow for Unauthenticated Access

Now we will create a site to open the flow for unauthenticated access.

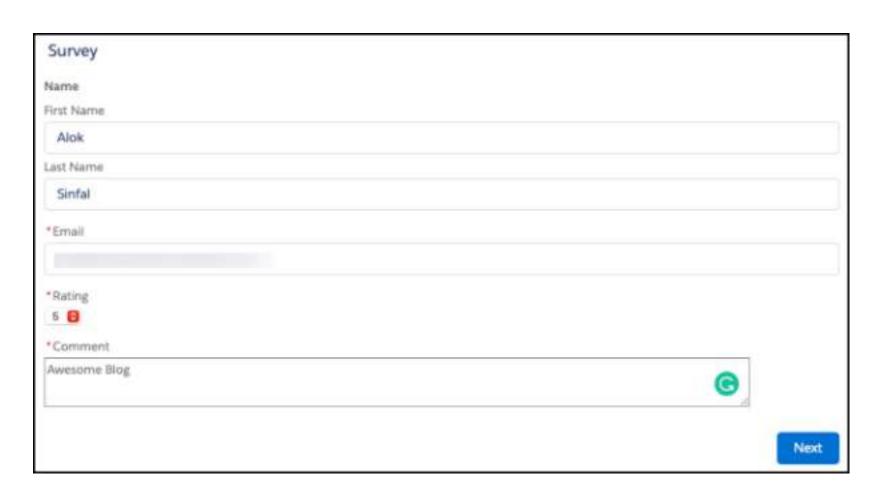
- 1. Click Setup.
- 2. In the Quick Find box, type Sites.
- 3. Clicks on the New button.
- 4. Fill the details as per the screenshot below:
- 5. Click Save.



# Under site, Public Access Settings make sure that guest users have Create access on Survey Result object and Edit on the fields.

#### Proof of Concept

Now onward, if someone opens the site url and fills the form:



After successful submission, he/she will receive an email.

