Department of Information Technology, PICT Pune

Third Year Information Technology (2019 Course)

314458: Laboratory Practice-II (Cloud Computing)

Design and develop "Shopping Mall Application" (Mini Project) using Salesforce Cloud.

Name and roll number of group members:

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Academic Year 2021- 2022 Sem - II

Application:

1. **Problem Statement:**
   - The custom application to be designed for the customers to shop online. The application includes the main webpages: Home Page, Product page and Customer page.
   - Products page has all the products in the shopping mall with their description and item id and name.
   - Customer page is accessible by admin where customer information is available related to what customer ordered.
   - Contact Page has contact information of customers.

2. **Working:**
   - The Shopping mall application is designed for customers. The goal of the site is to allow people to shop online using this application.
   - The Shopping Mall is a custom application designed and developed using the various tools and functionality provided by Salesforce platform.

   A. Products Page:
      - The Products Page is the first page of the application navigation, it is a custom page created using the Salesforce Lightning App Builder.
      - For Products page fields like item name and item id is also created. These fields have product name and product id.
      - The page contains a header followed by the products available in the shopping mall application. All the information of products are displayed in their description with their item id and item name. Admin can add products in the product page and customers can see those products on this page. Customer can buy these products from this page.

B. Customers Page:

- The Customers page is the second page of the application navigation, customer is a custom object created through Object Manager of the Salesforce. The customer object is then added to the Shopping Mall custom application by creating its custom tab using the Tabs tool from Salesforce platform.
- The customer page has information of customer which is accessible by the admin.
- This page has information of customer telling what customer ordered with specifying time and date.

C. Contacts Page :

- The Contacts page is built-in item from the salesforce Navigation items. So, this page is modified according to requirements.
- This page has contact information of the customers and is accessible by admin.

3. Features:

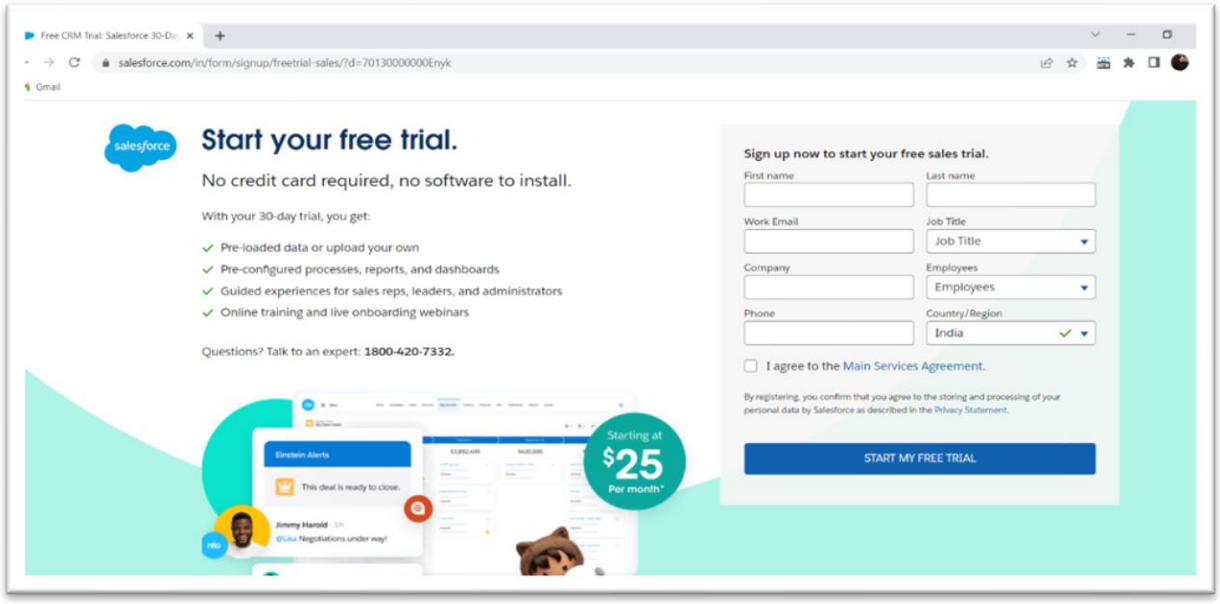
The Shopping Mall application is very useful and its features are mentioned as follows:

- The Shopping Mall application enables customers to purchase items online with ease. It is very efficient for customers.
- This application provides customer with services and privacy, it's easy to use so any novice user can also use this application.
- Also, with the development point of view, the application has a very aesthetic and minimalistic design which makes it easy for the customers to navigate to the appropriate destination.

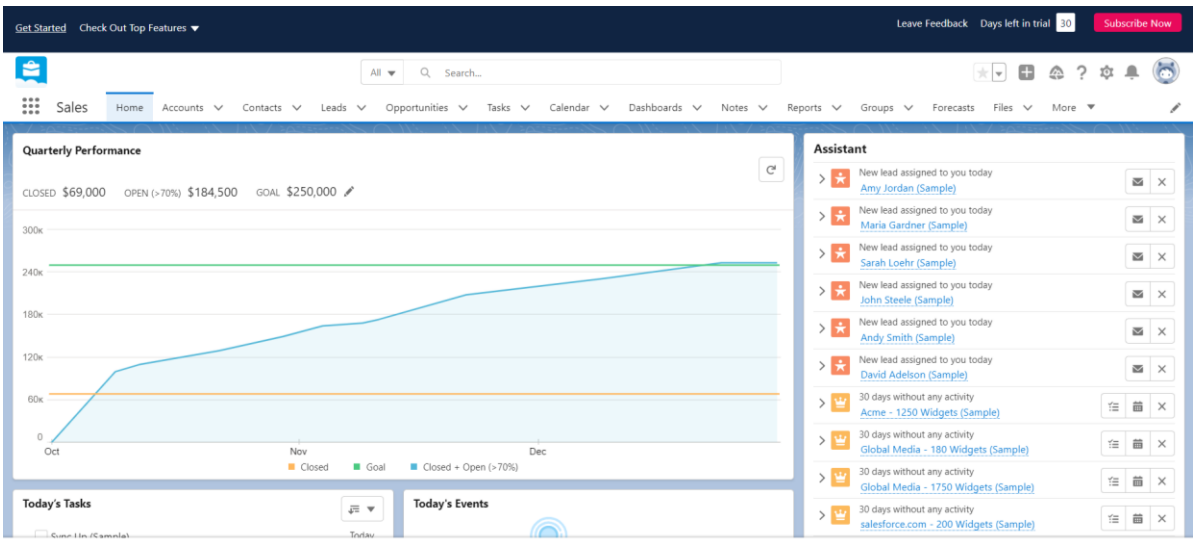
Implementation:

1. Signup and Setup:

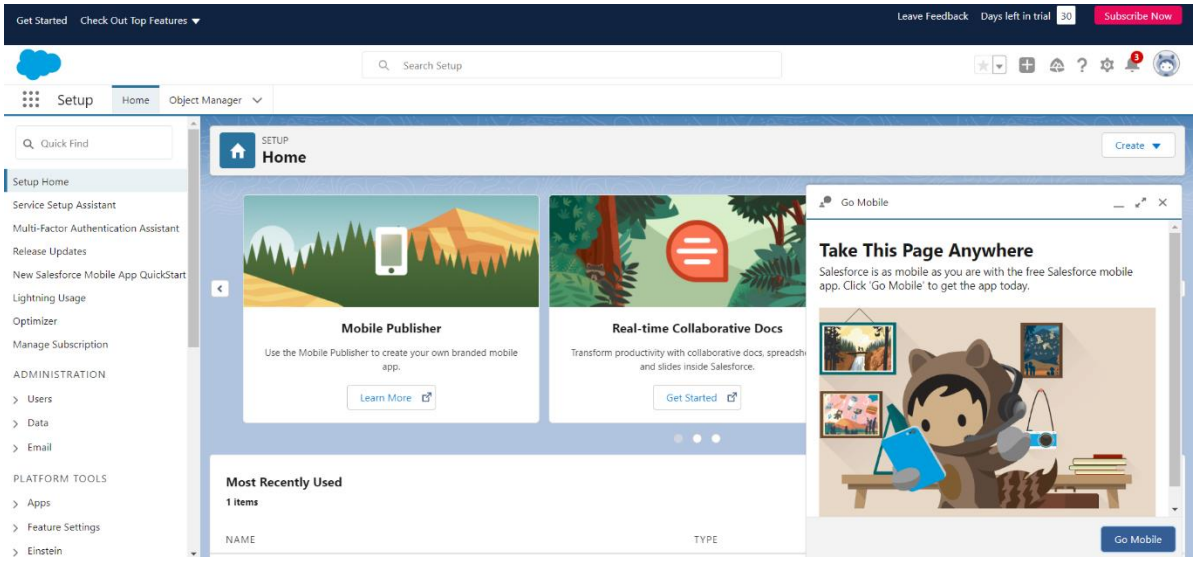
a. Signup for Salesforce:



b. Login and you will be directed to Home page:

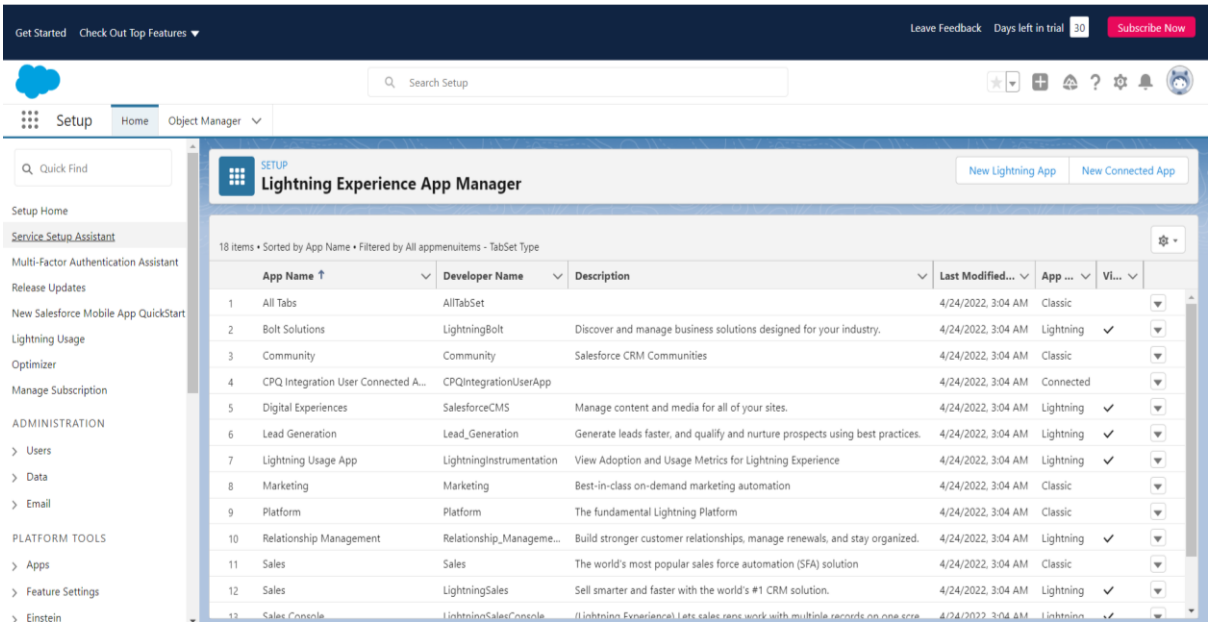


c. Go to the Setup home page for custom application creation:

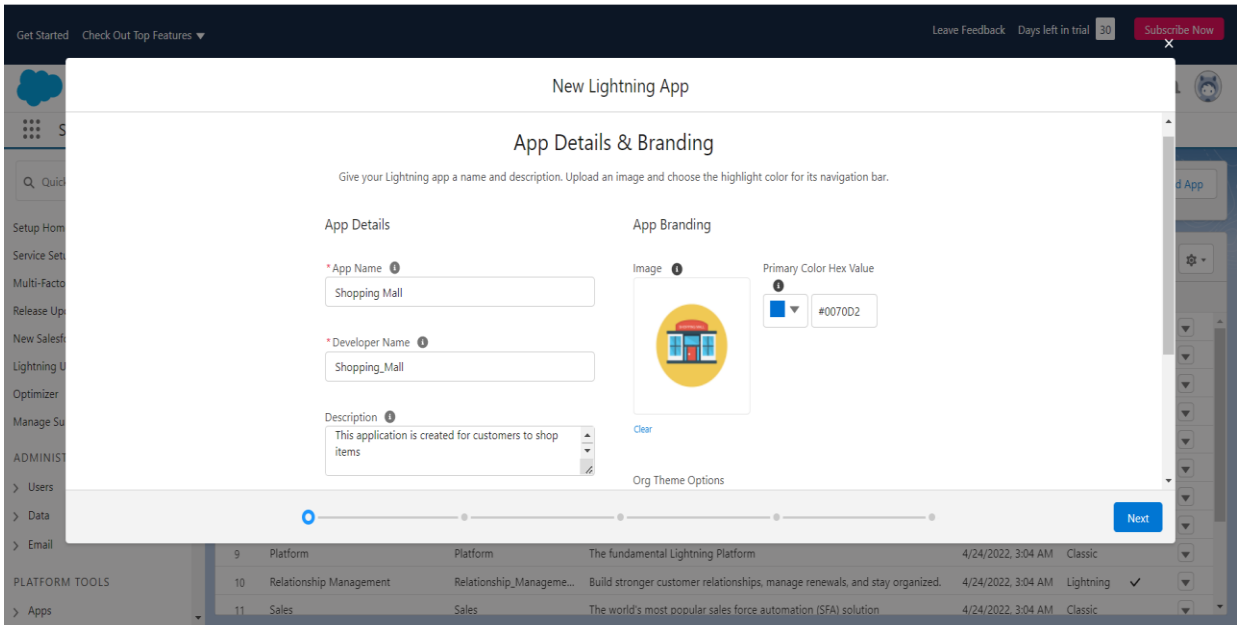


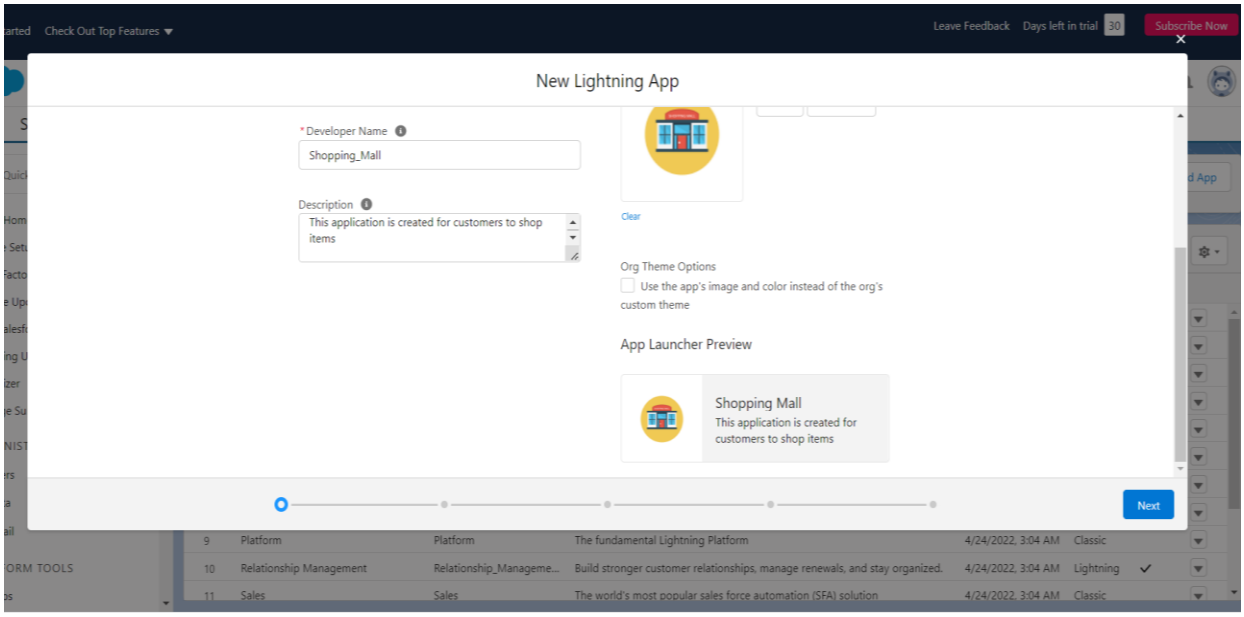
2. Custom Application Creation:

a. Go to the App Manager from the Setup console and click on New Lightning App:

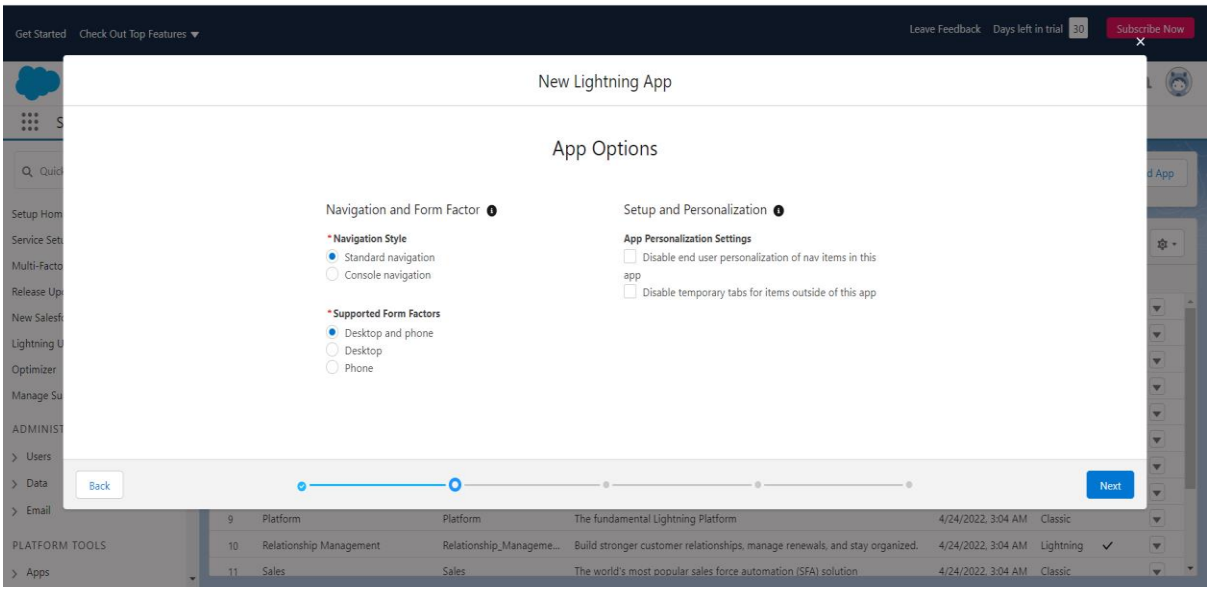


b. In the modal that appears, enter app details and add logo and color for branding:

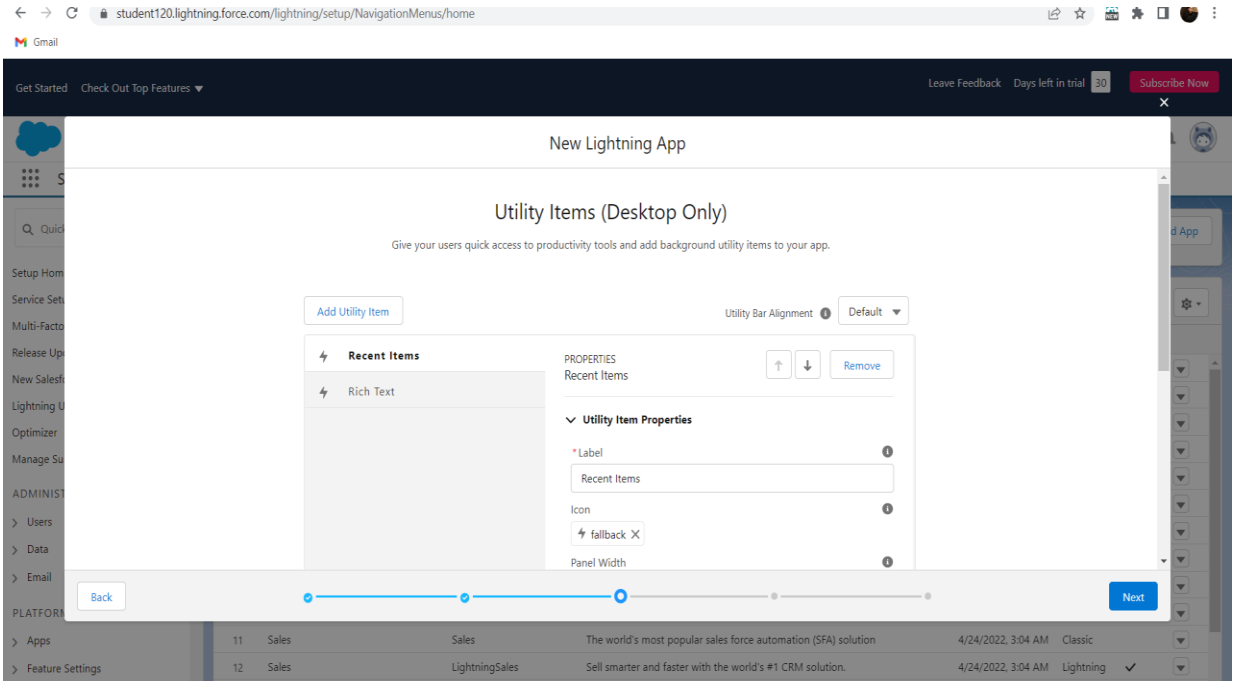




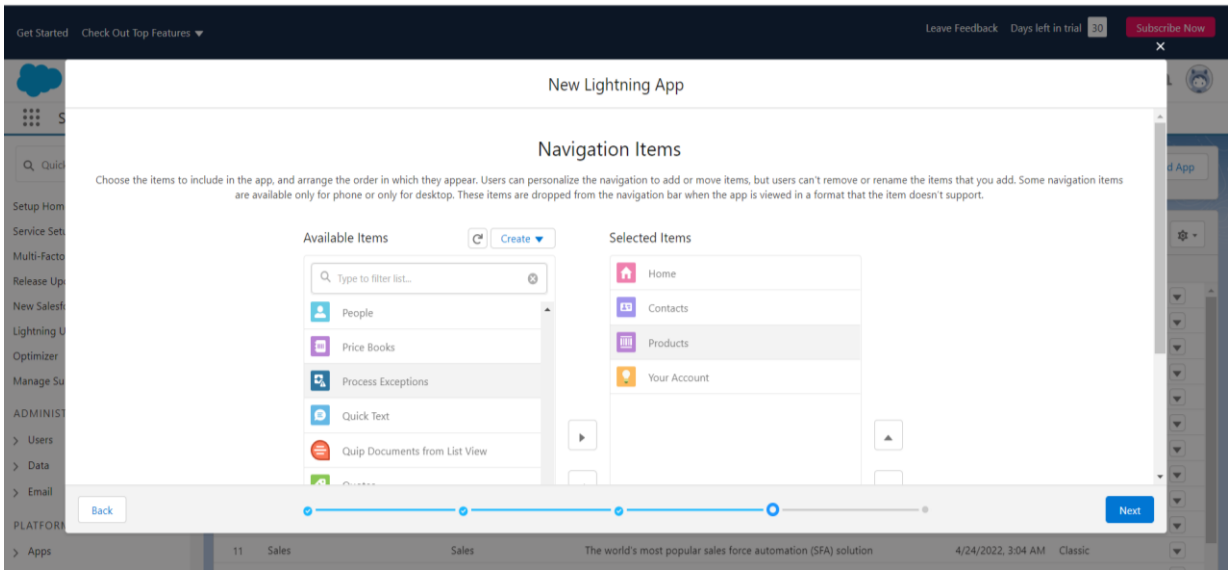
c. Add App options like Navigation and Supported Form Factors:



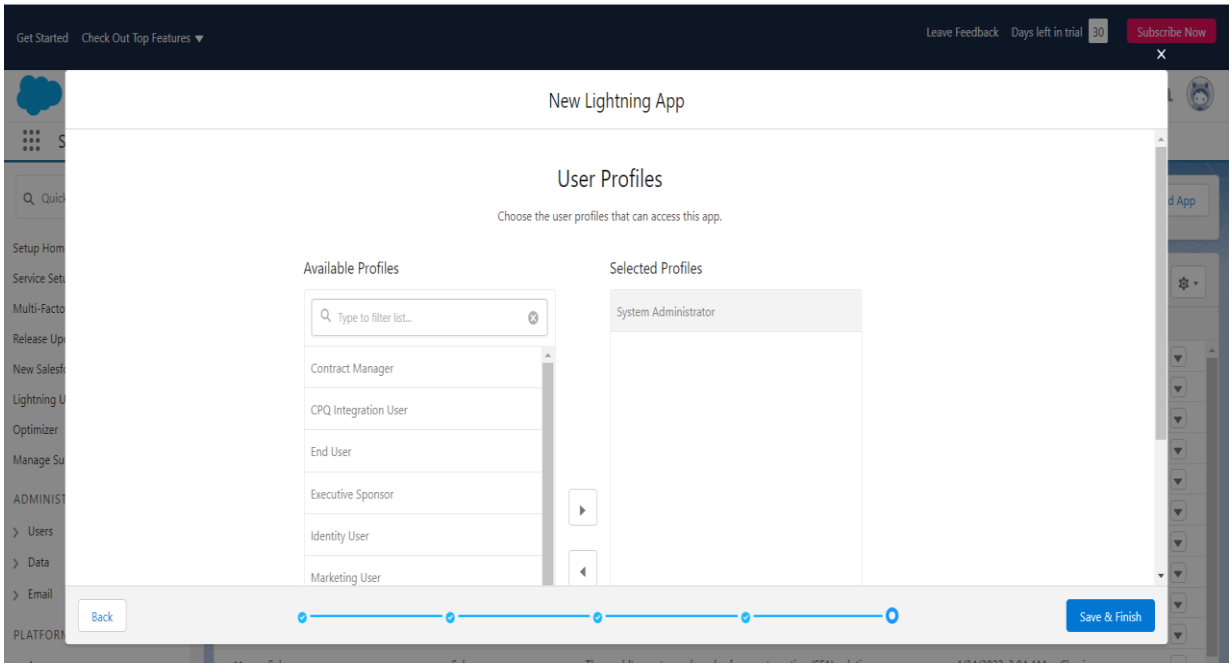
d. Add required Utility Items for your application:



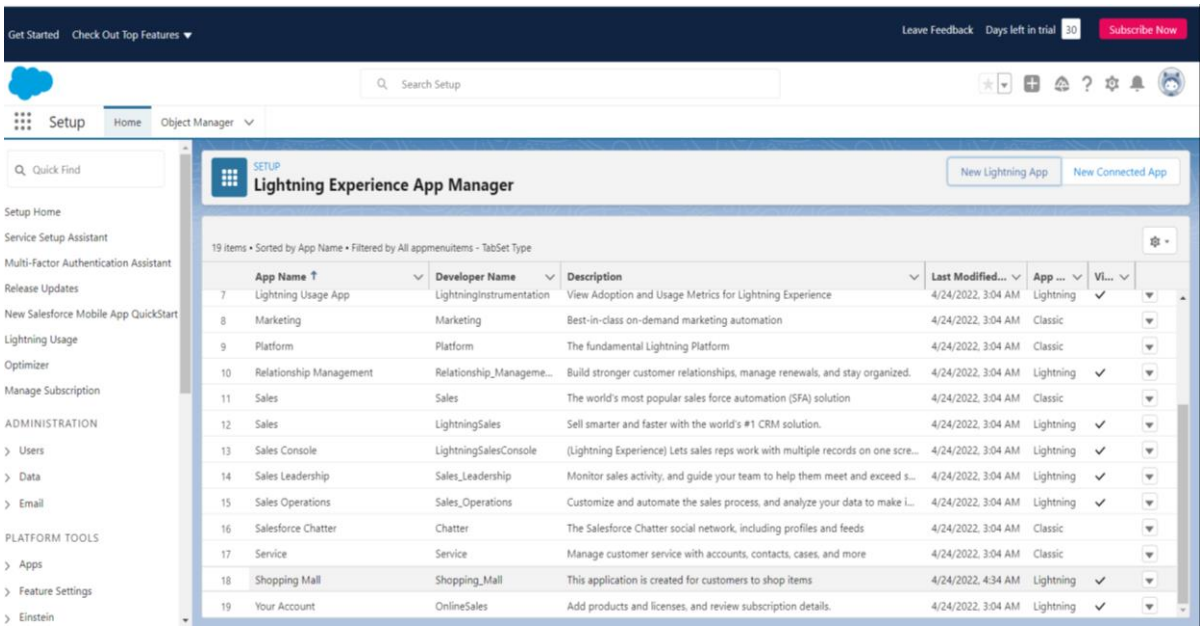
e. Add required Navigation Items for your application:

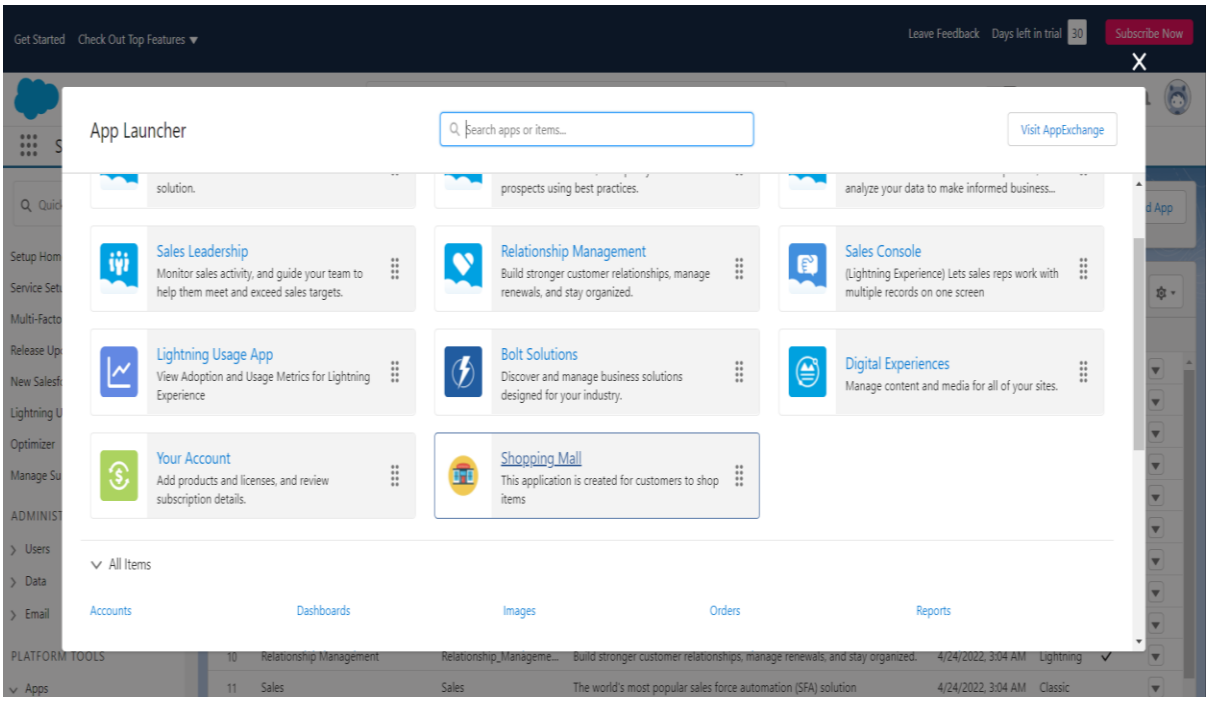


f. Add required User Profiles for your application:



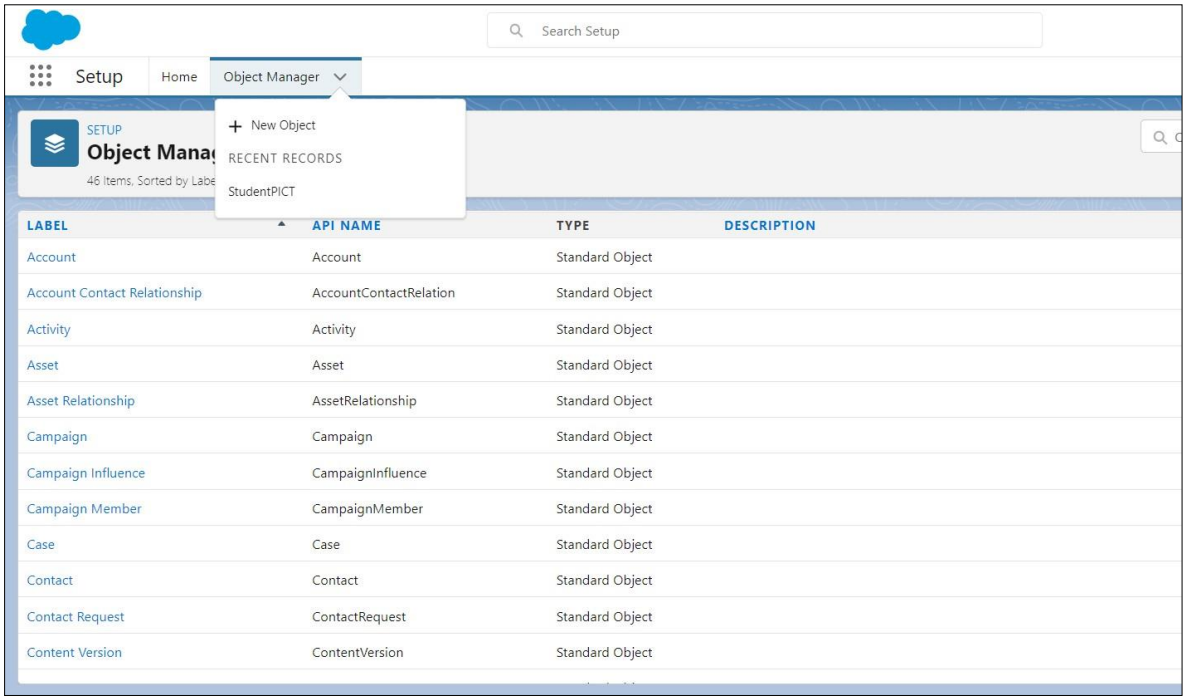
g. Your application is successfully created. You can view your application enlisted in the App Manager.



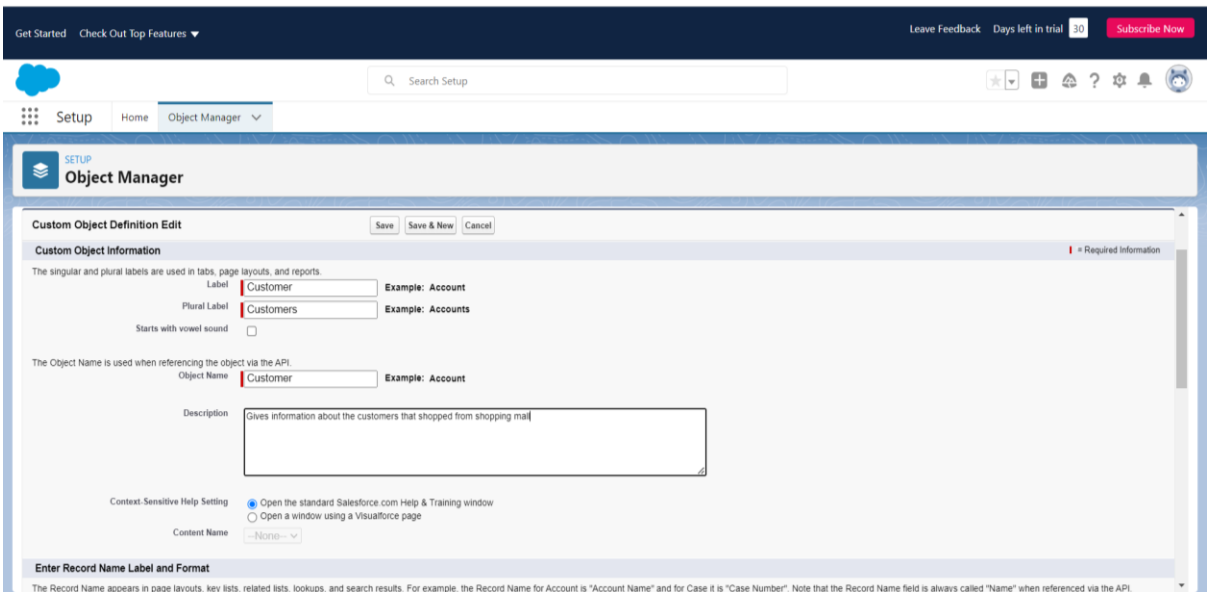


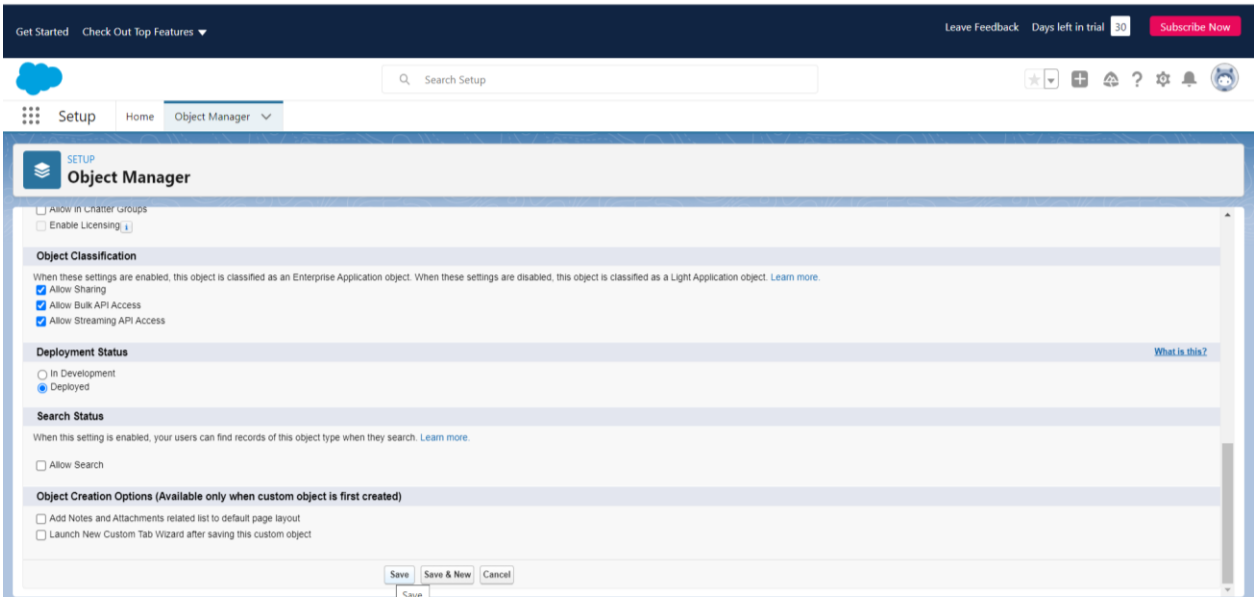
3. Custom Object Creation:

a. Go to the Object Manager. Click on its dropdown and select '+ New Object':

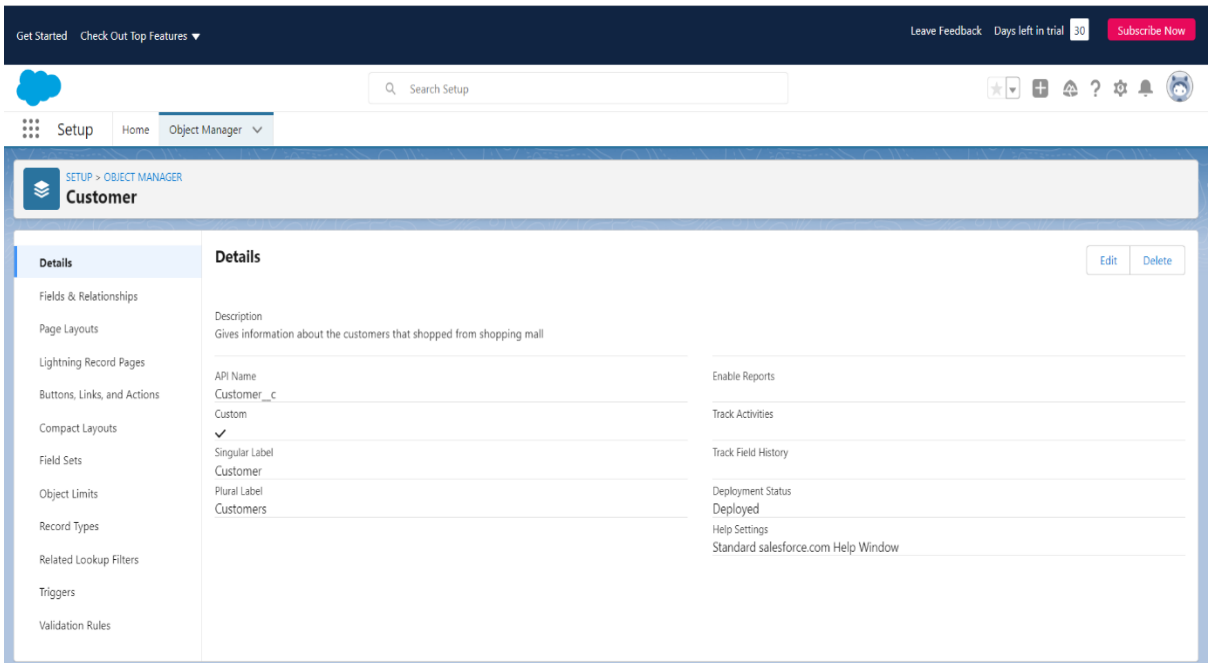


b. Enter all the details for your object like basic information, labels, features, deployment status, search status, etc. and then click Save:



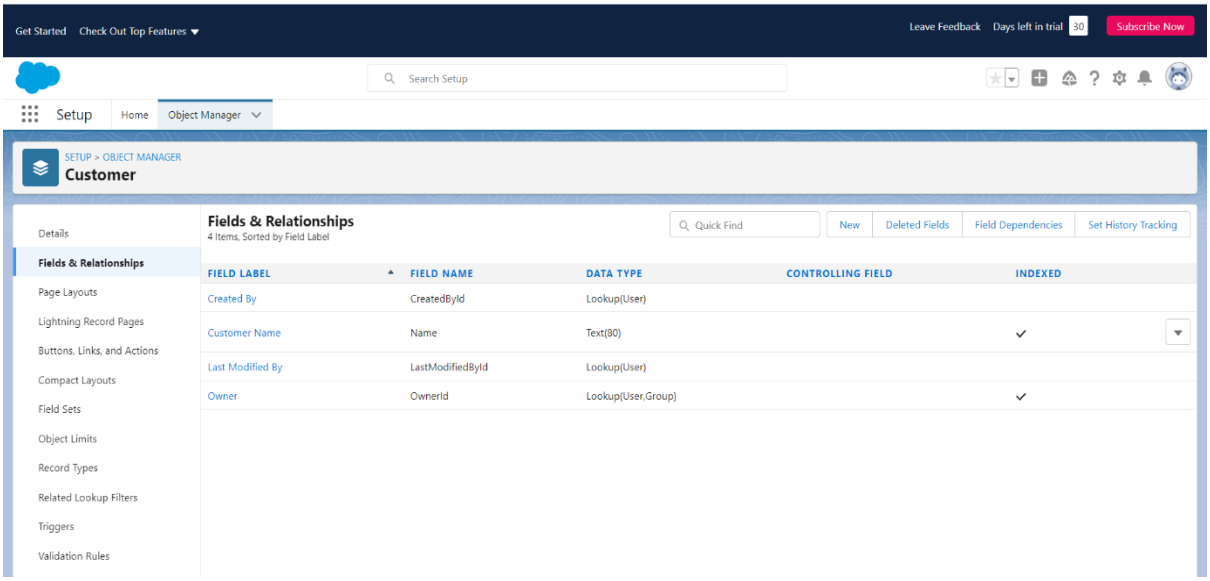


c. Your custom object is successfully created. You can access it through the Object Manager:

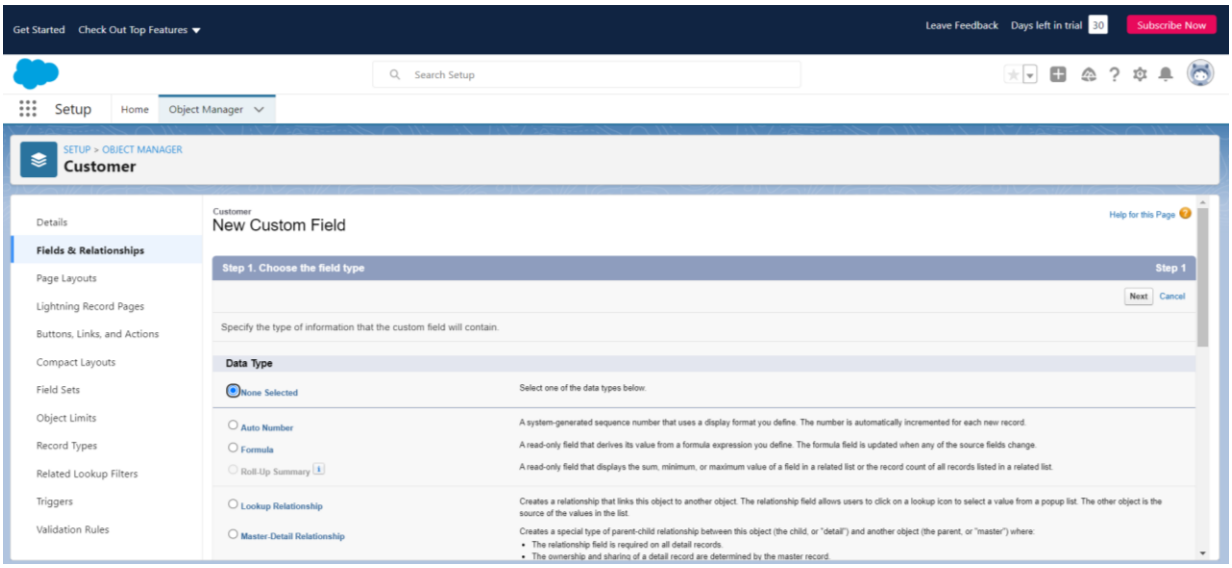


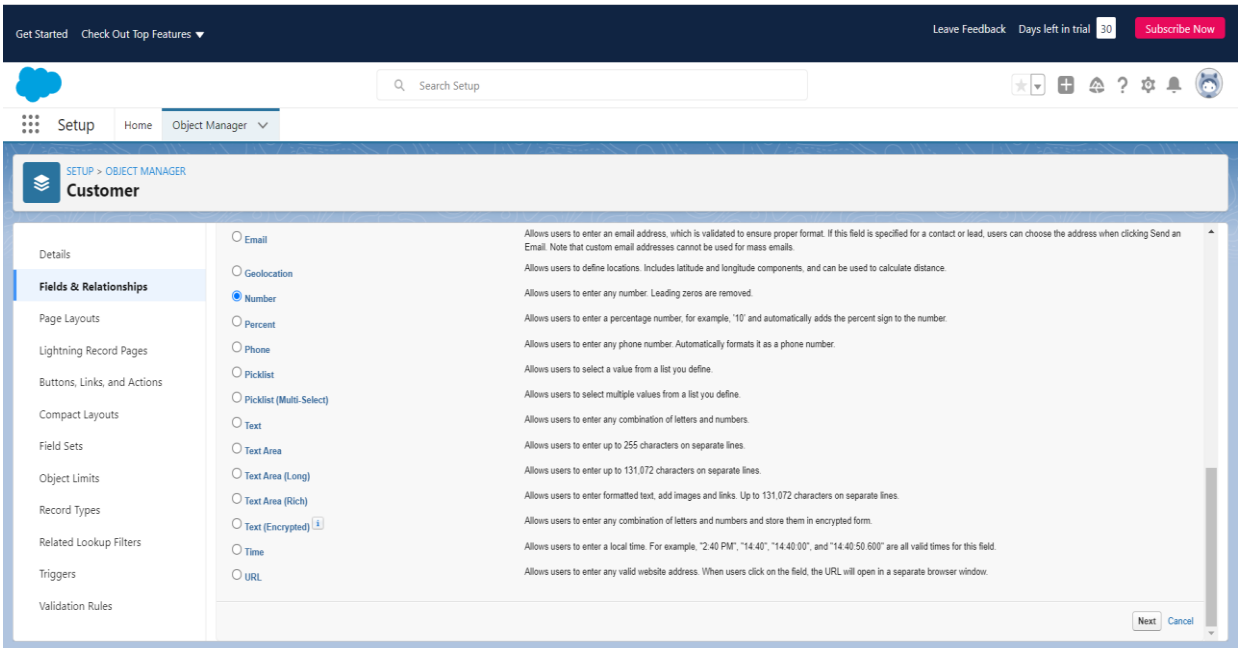
4. Custom Field Creation for Custom Object:

a. Go to the Fields and Relationships section of your Object and click New:

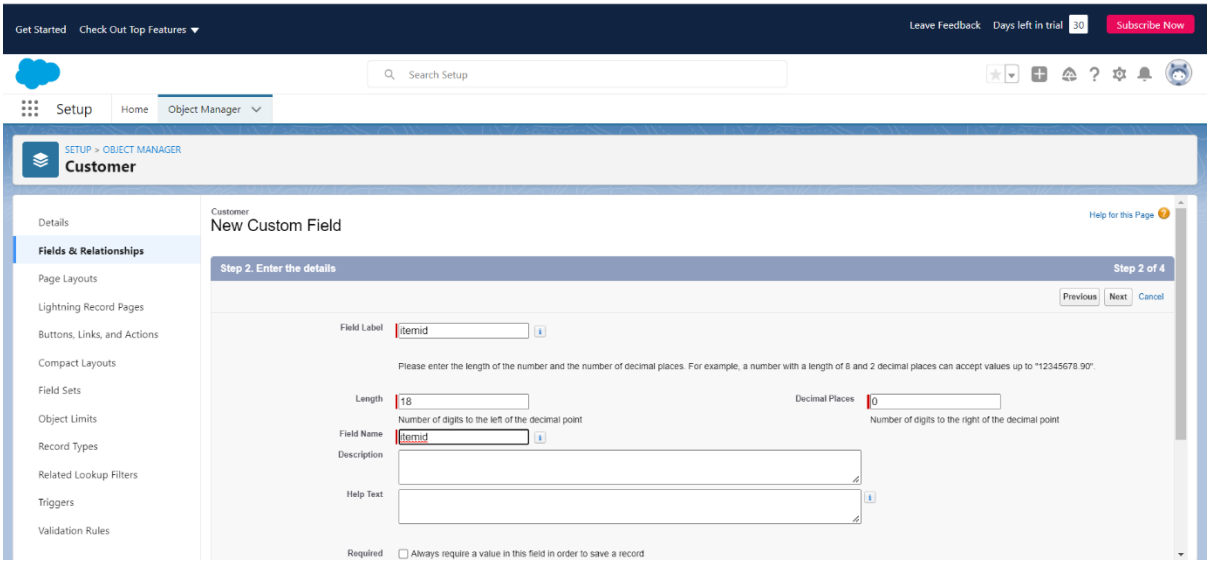


b. First choose the data type for your field:

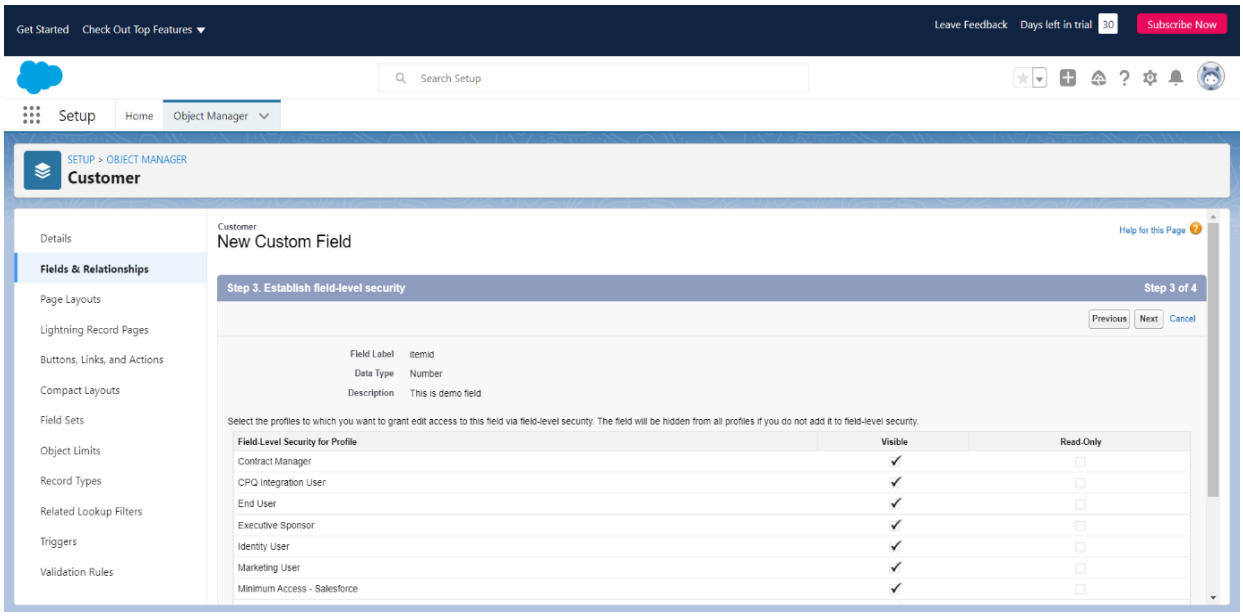




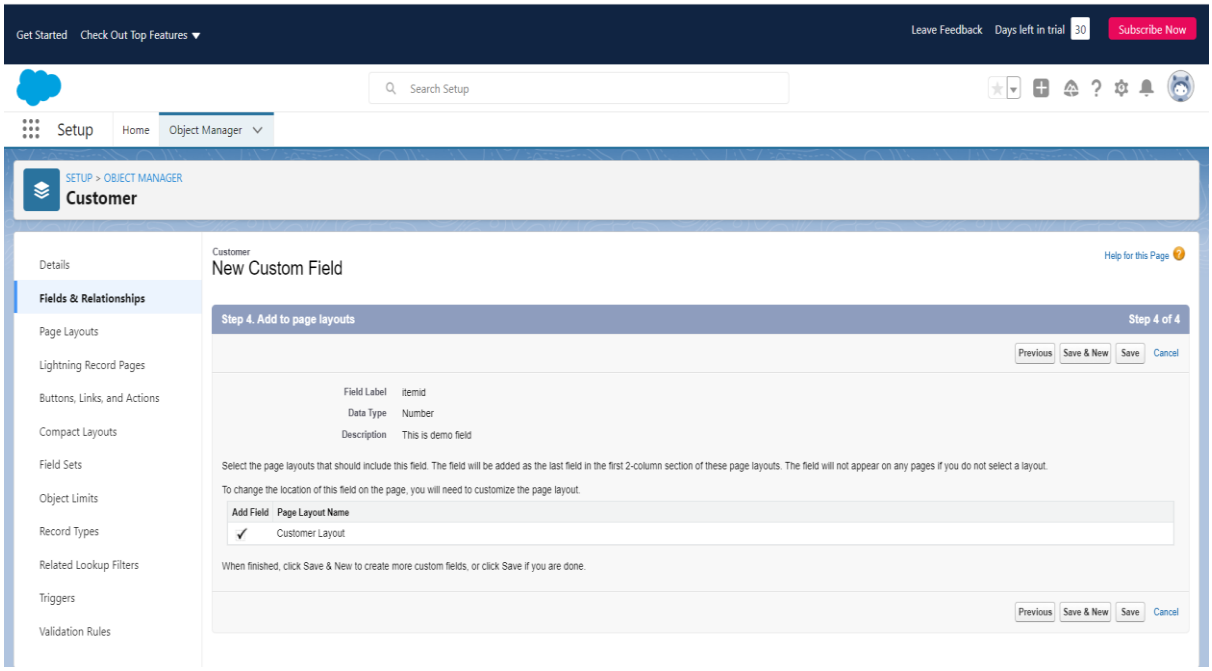
c. Enter basic information like name, label, etc. for your field:



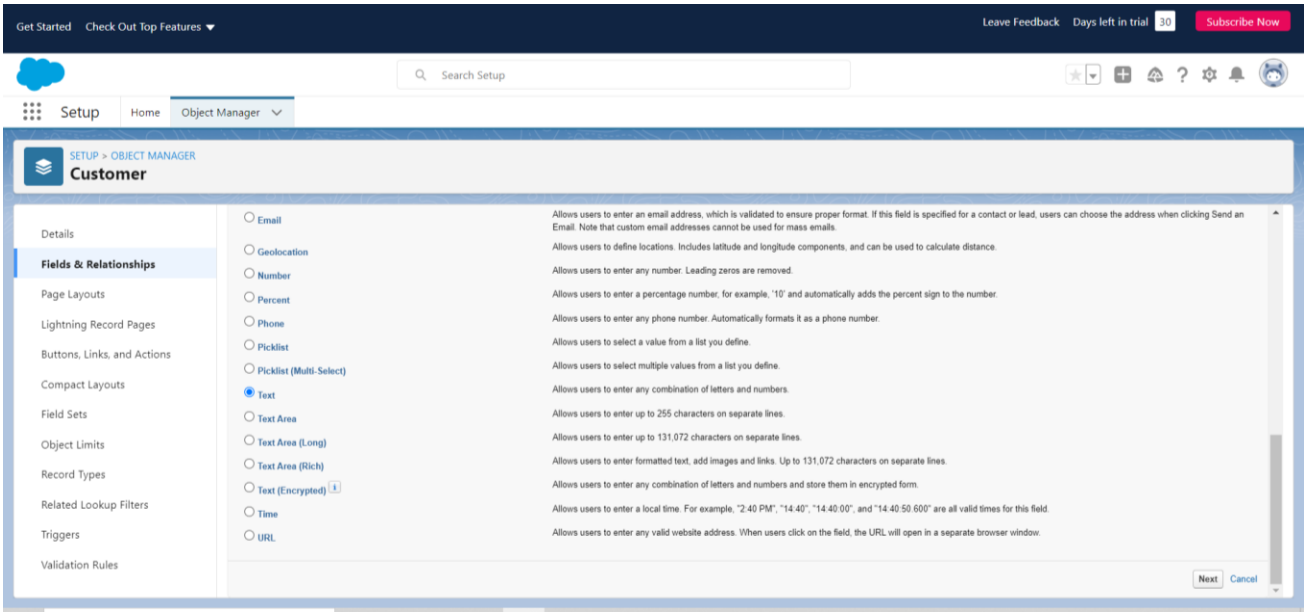
d. Select appropriate options to establish field level security:

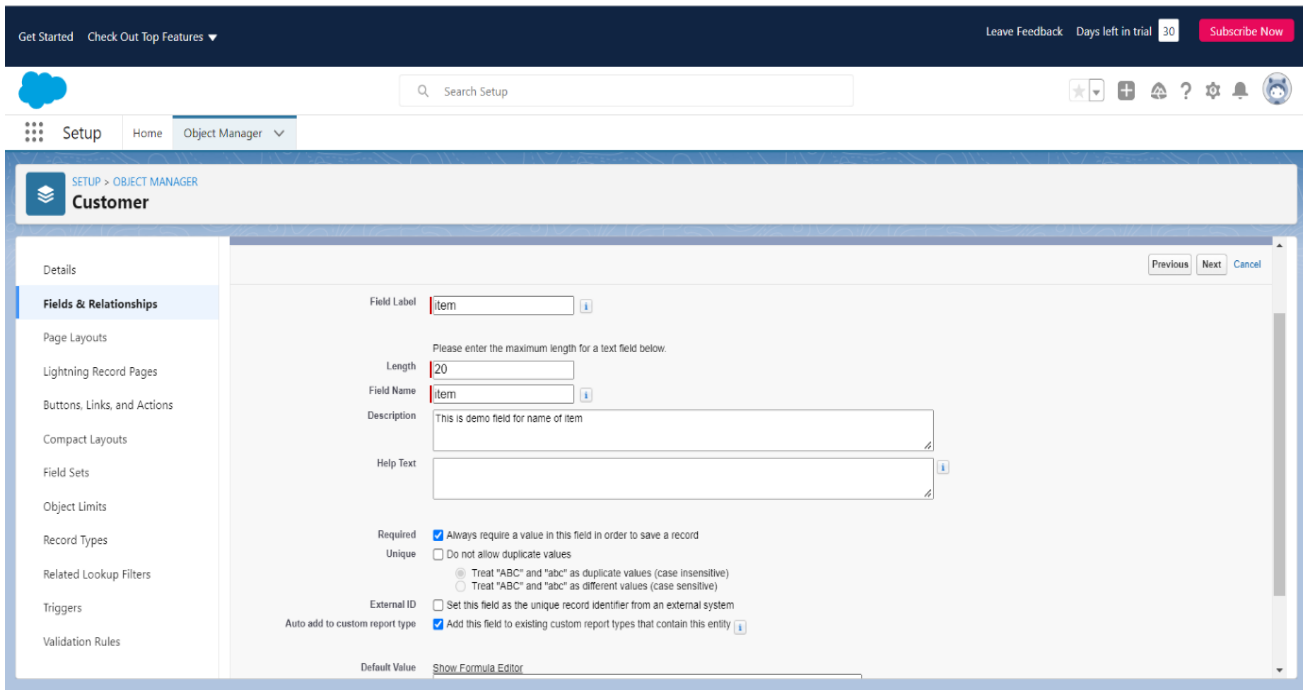


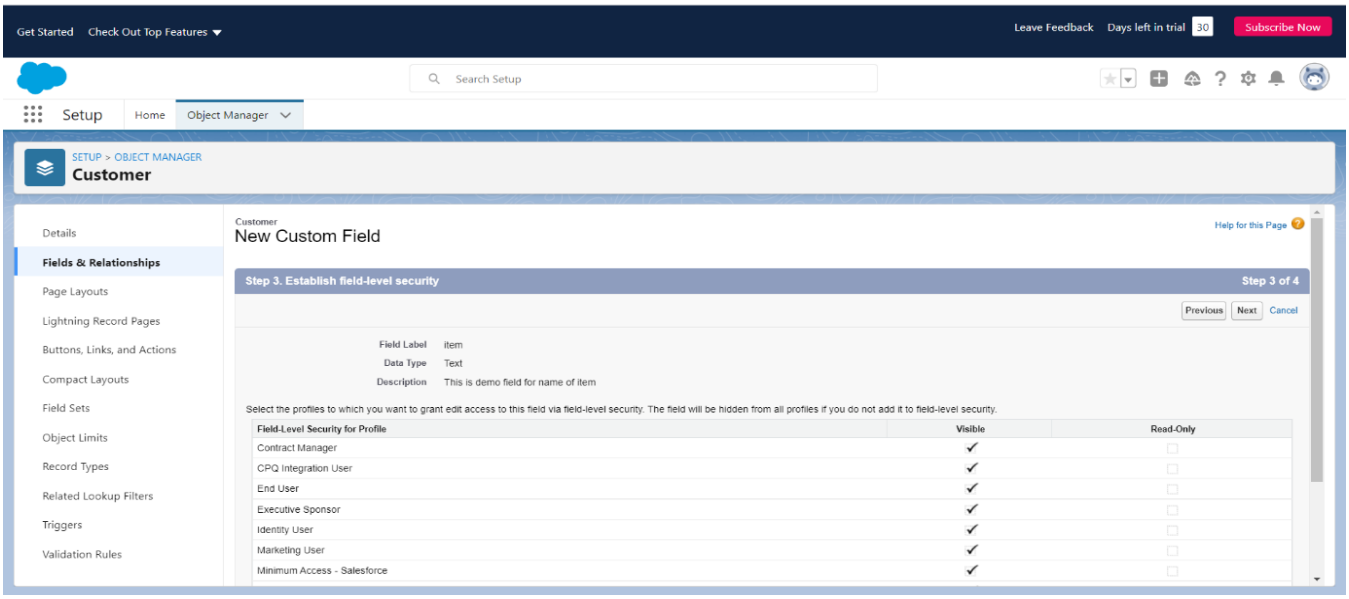
e. Finally check for appropriate page layout and click save:



Similar for the text field :



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Triggers
Validation Rules
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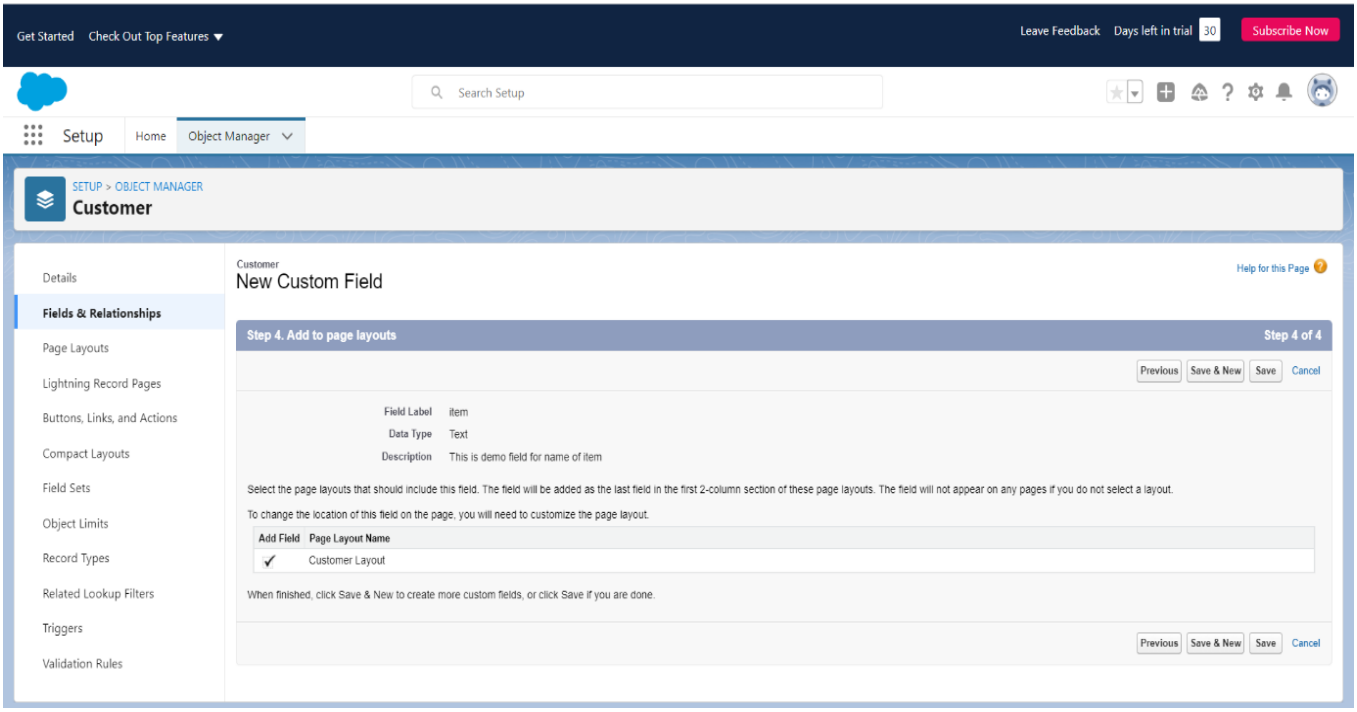
Help for this Page
Step 3. Establish field-level security
Step 3 of 4
Previous
Next
Cancel
Field Label item
Data Type Text
Description This is demo field for name of item
Select the profiles to which you want to grant edit access to this field via field-level security. The field will be hidden from all profiles if you do not add it to field-level security.
Field-Level Security for Profile
Visible
Read-Only
Contract Manager
CPQ Integration User
End User
Executive Sponsor
Identity User
Marketing User
Minimum Access - Salesforce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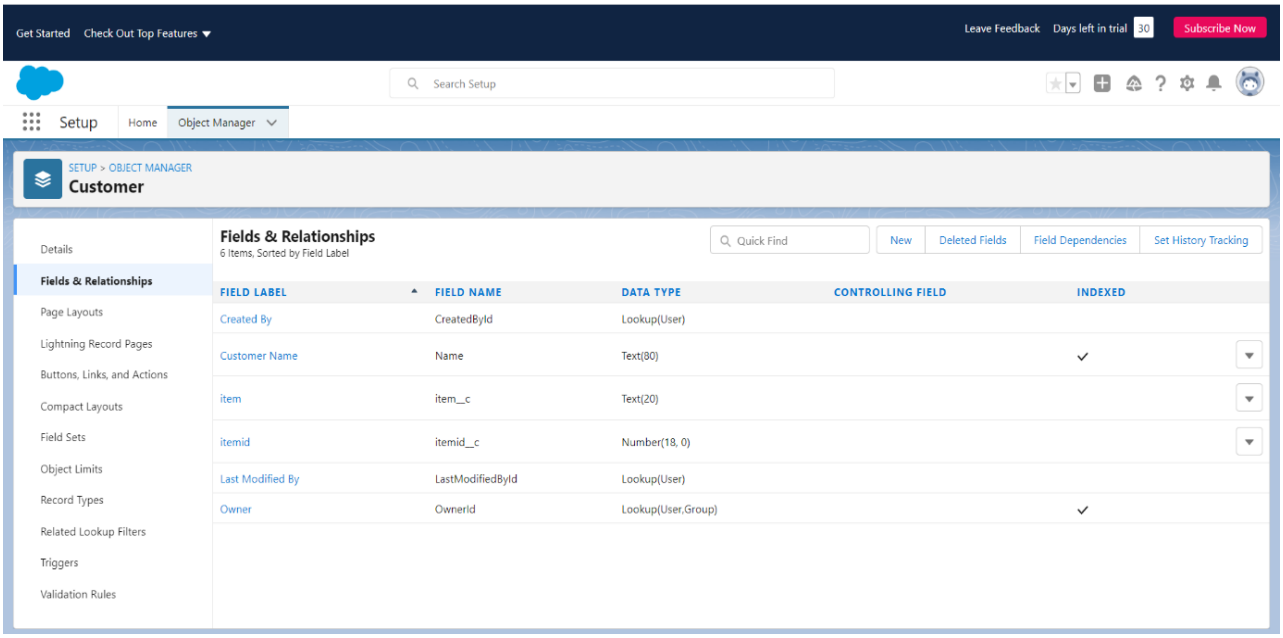
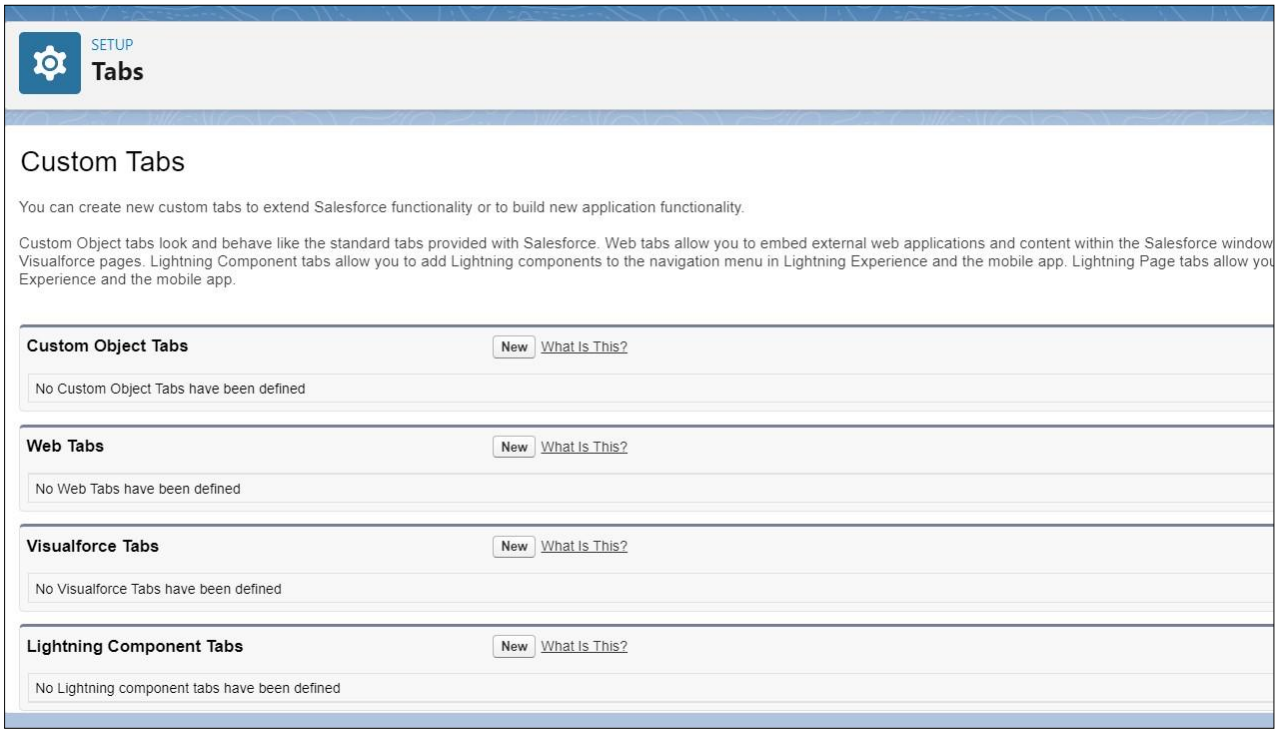
Object Limits
Record Types
Related Lookup Filters
Triggers
Validation Rules
Customer
New Custom Field
Help for this Page
Step 4. Add to page layouts
Step 4 of 4
Previous
Save & New
Save
Cancel
Field Label item
Data Type Text
Description This is demo field for name of item
Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout.
To change the location of this field on the page, you will need to customize the page layout.
Add Field
Page Layout Name
Customer Layout
When finished, click Save & New to create more custom fields, or click Save if you are done.

f. Fields and Relationships section of your Object:

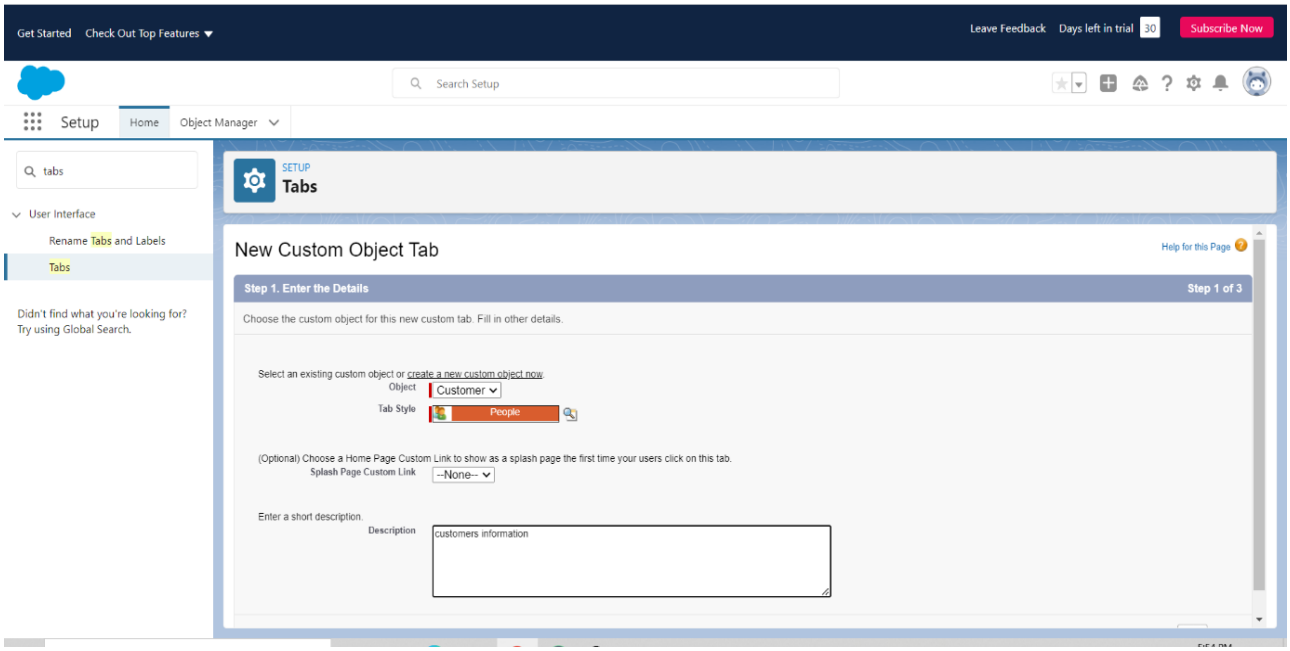


5. Custom Tab Creation for Object and Adding to Navigation Items:

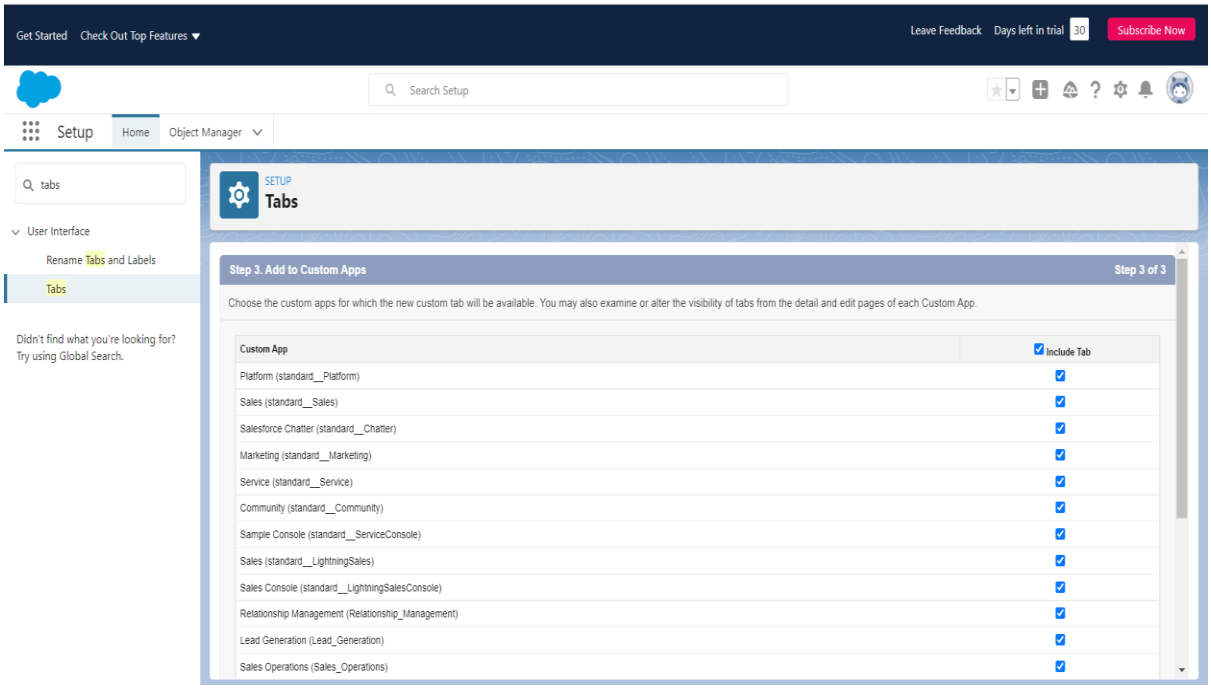
a. Go to Tabs section from home and then click New next to Custom Object Tabs:



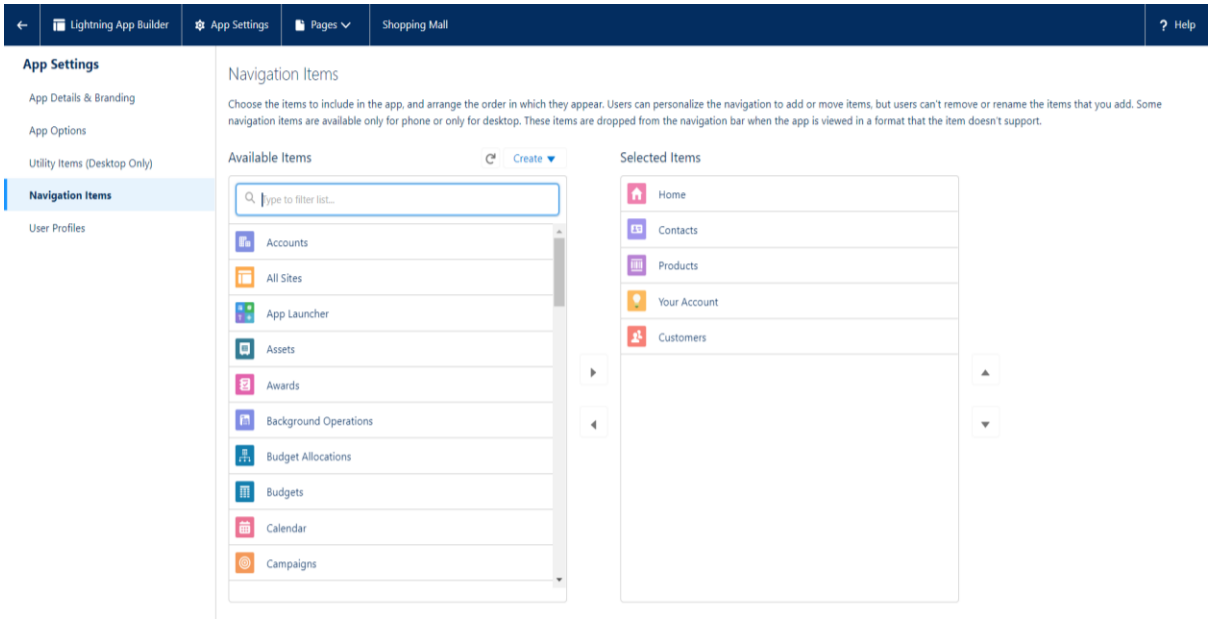
b. Add basic information of like Object and style for your tab:



c. Add your tab to the Custom Apps you want and then click save:

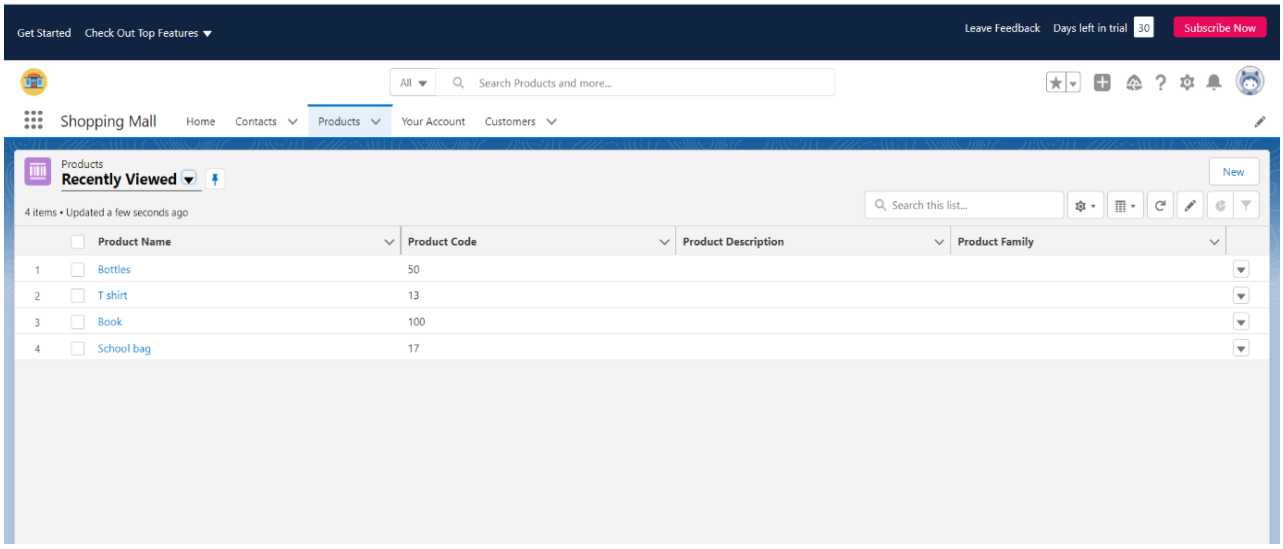


d. Go to your App's settings from App Manager. Go to Navigation Items and add the Tab to your app:

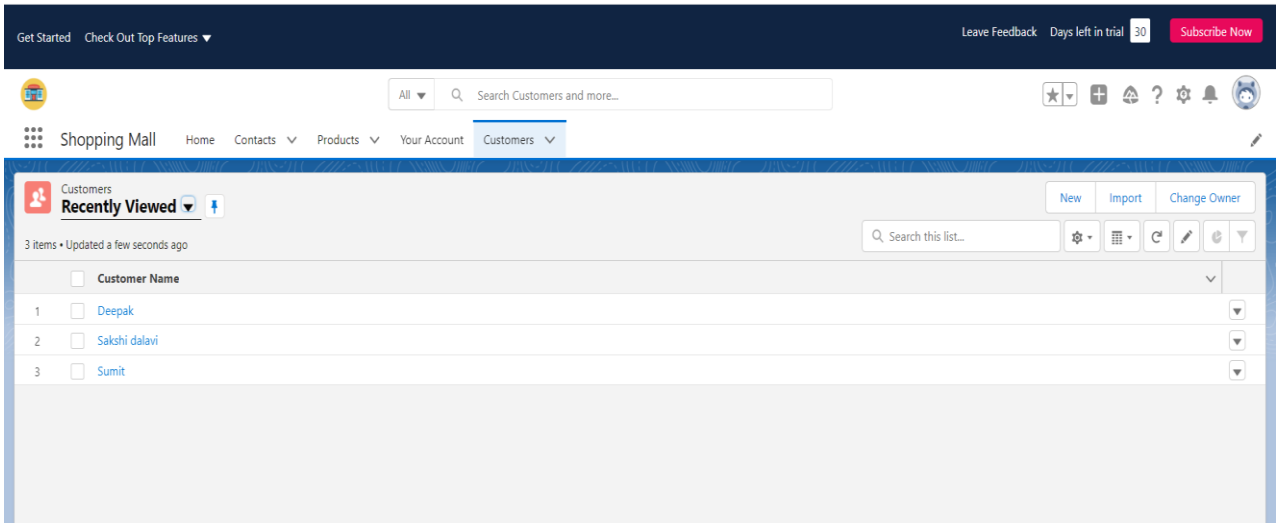
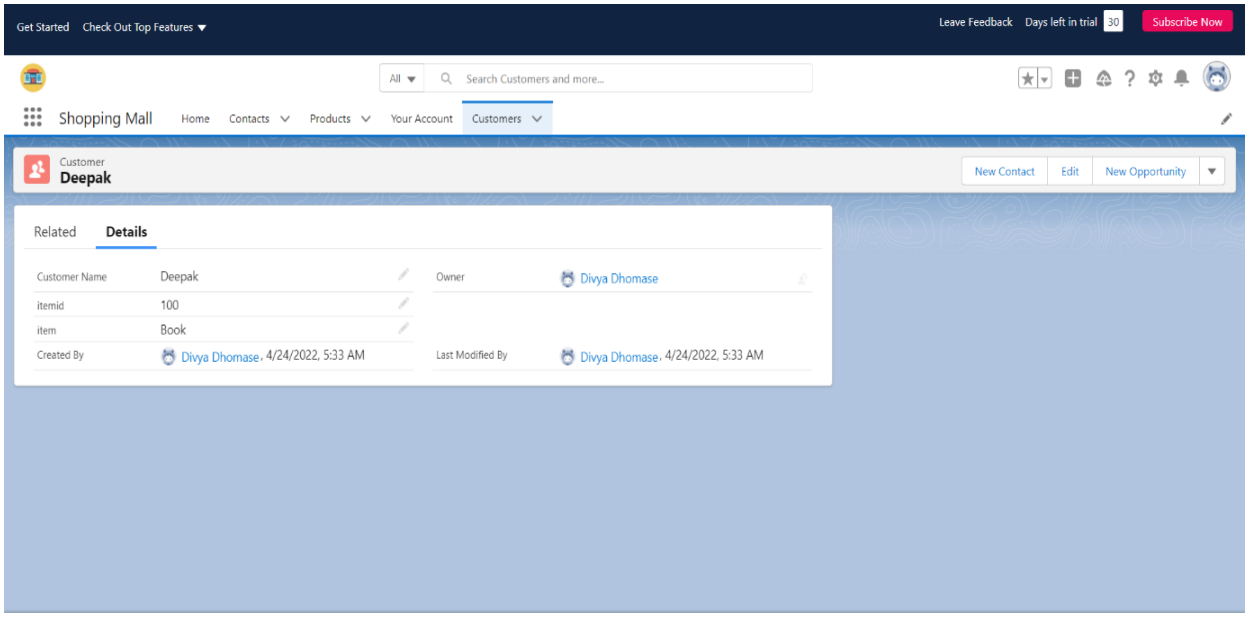


6. <u>Final Output :</u>

a. Product Page:



b. Customers Page:



c. Customers details: