Cosmetic Store Management

Developed by

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Department of CSE-Final Year

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Abstract

This project presents a comprehensive Cosmetics Store Management system designed to streamline operations, enhance customer experience, and optimize inventory management within the cosmetics retail sector. The system integrates various functionalities, including product management, sales tracking, customer relationship management, and reporting features.

The objective of this project is to develop an efficient platform that enables store owners to manage their inventory effectively, track sales trends, and maintain customer records seamlessly. By implementing a user-friendly interface, the system aims to facilitate easy navigation for both staff and customers, ultimately improving service quality and operational efficiency.

Through this project, we also highlight the importance of data analytics in the cosmetics industry, providing insights that can drive marketing strategies and improve customer satisfaction. Overall, the Cosmetics Store Management system serves as a vital tool for retailers seeking to thrive in a competitive market while ensuring an enhanced shopping experience for their customers.

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1.Creation Salesforce Org

1.1.Logging into SmartInternz Skill Wallet:

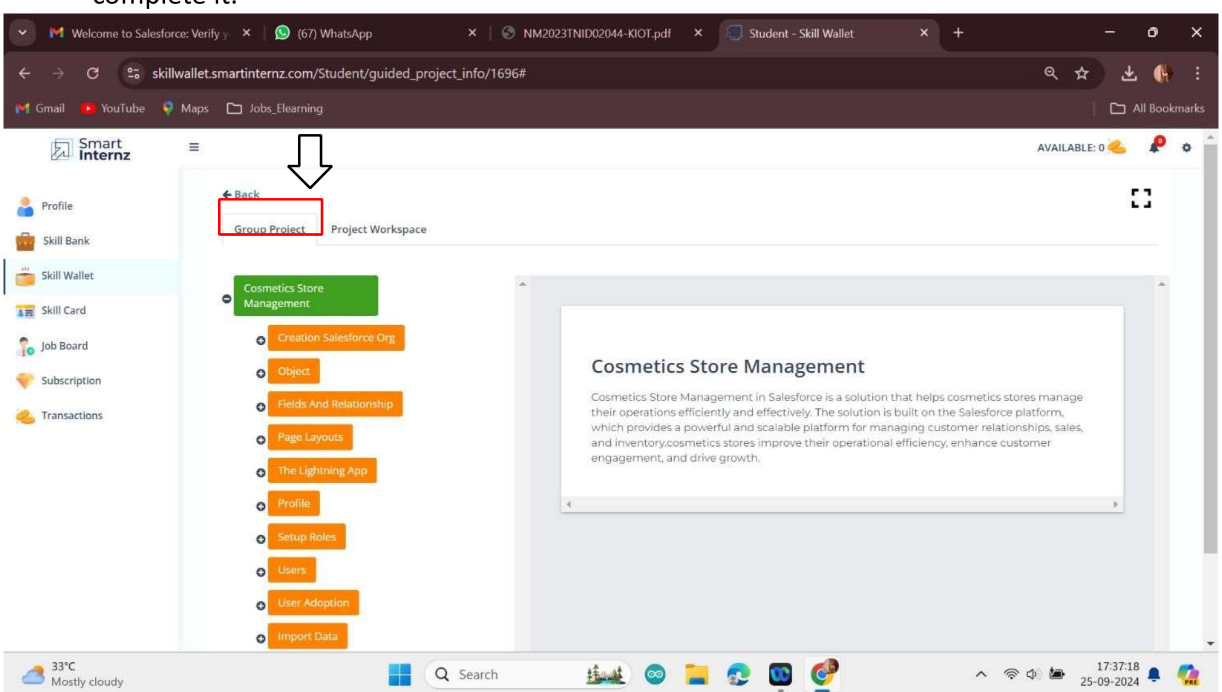
1. **Visit**
2. **The SmartInternz website**: Go to SmartInternz.
3. **Locate the Login Option**: On the homepage, find the login or sign-in option.
4. **Use your credentials**: Enter the email and password you registered with. If you're using a platform-linked account (e.g., Google, LinkedIn), use the corresponding option to sign in.
5. **Navigate to the Skill Wallet**: After logging in, go to your dashboard or profile section where you should find "Skill Wallet" or "Guided Projects" listed.

1.2.Accessing Guided Projects:

1. After logging in, navigate to the "Guided Projects" tab or section on the SmartInternz platform.

2. Here, you should be able to see any projects you've been assigned or those you've enrolled in.

3. Click on any project to view the details, guidelines, and resources you need to complete it.



1.3.Creating Developer Account

Creating a developer org in salesforce.

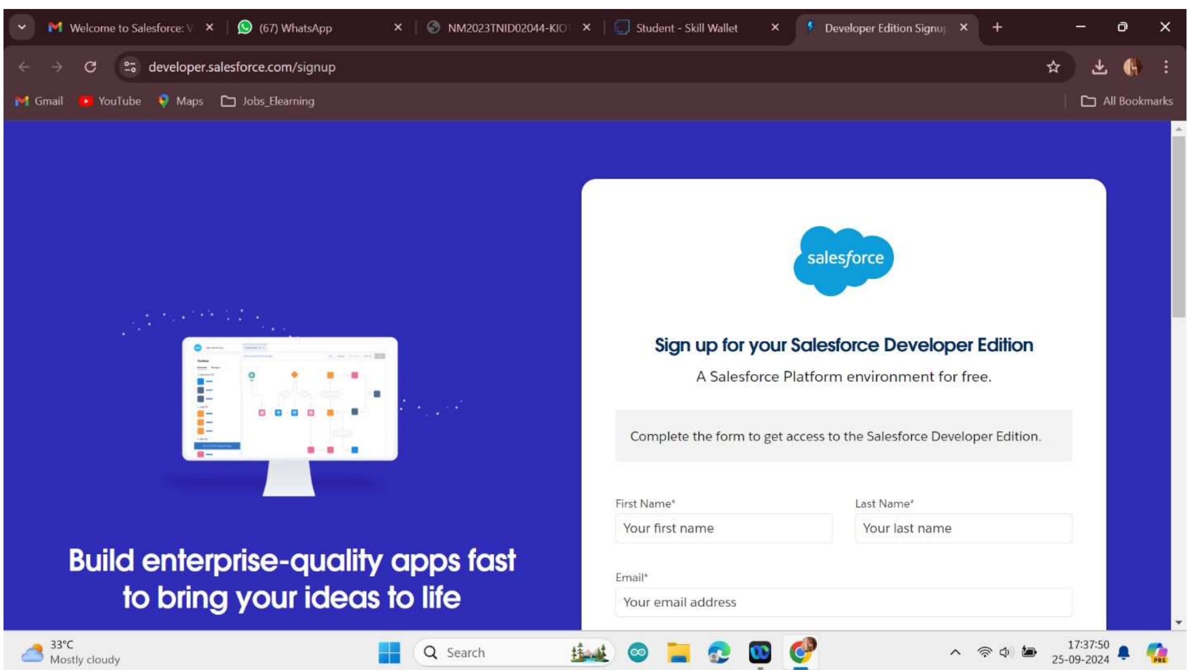
1. Go to developers.salesforce.com/signup.

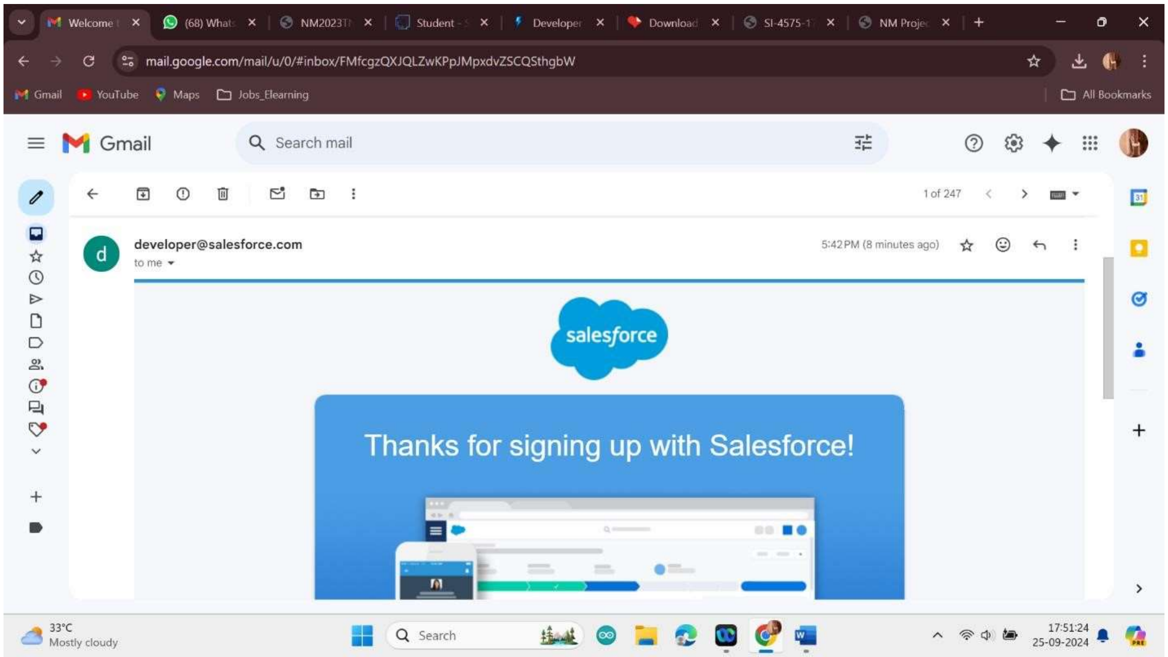
2. Click on sign up.

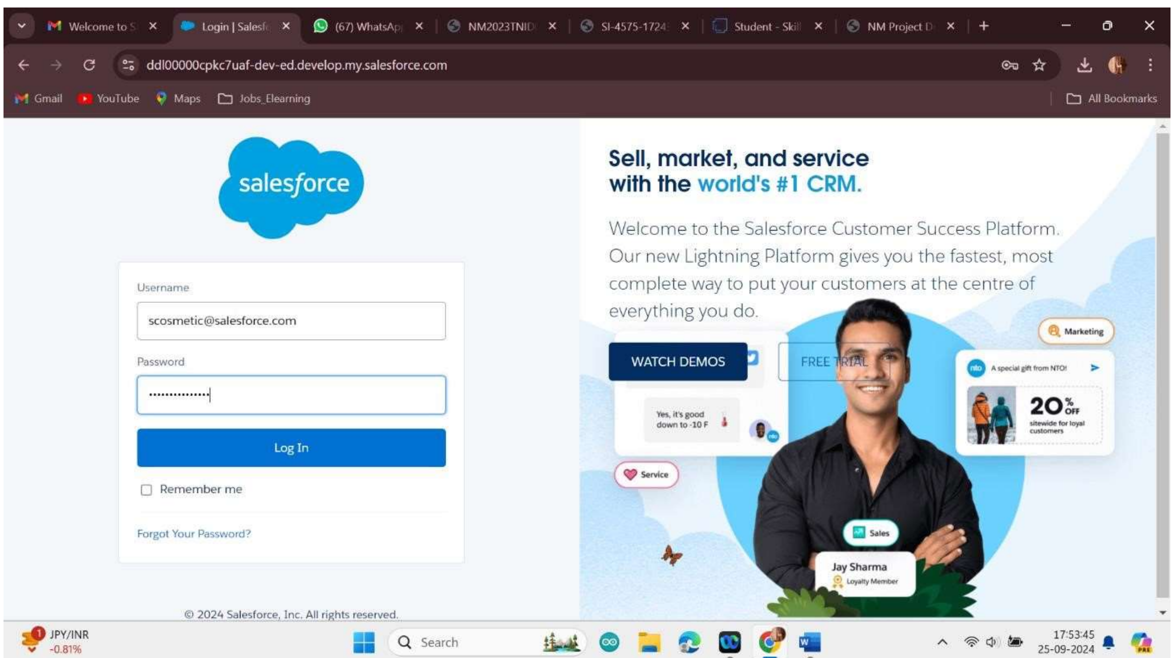
3. On the sign up form, enter the following details :

    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.




mail.google.com/mail/u/0/#inbox/FMfcgzQXJQLZwKPpJMpxdvZSCQSthgbW
Gmail
Search mail
1 of 247
developer@salesforce.com
to me
5:42 PM (8 minutes ago)
salesforce
Thanks for signing up with Salesforce!
33°C
Mostly cloudy
Search
17:51:24
25-09-2024


ddl00000cpkc7uaf-dev-ed.develop.my.salesforce.com
salesforce
Username
scosmetic@salesforce.com
Password
Log In
Remember me
Forgot Your Password?
© 2024 Salesforce, Inc. All rights reserved.
Sell, market, and service with the world's #1 CRM.
Welcome to the Salesforce Customer Success Platform. Our new Lightning Platform gives you the fastest, most complete way to put your customers at the centre of everything you do.
WATCH DEMOS
FREE TRIAL
Marketing
Service
Sales
Jay Sharma
Loyalty Member
JPY/INR
-0.81%
Search
17:53:45
25-09-2024

2.Object

Salesforce objects are database tables that permit you to store data that is specific to an organisation. Salesforce objects are of two types: Standard Objects: Standard objects are the kind of objects that are provided by salesforce.com such as users, contracts, reports, dashboards, etc.

Custom objects :Our Customers, Consultants, Retailers, Others.

2.1.To Create an object:

To Create an object:

Creation of Objects for Urban Color, For this Urban Color we need to create 3 objects

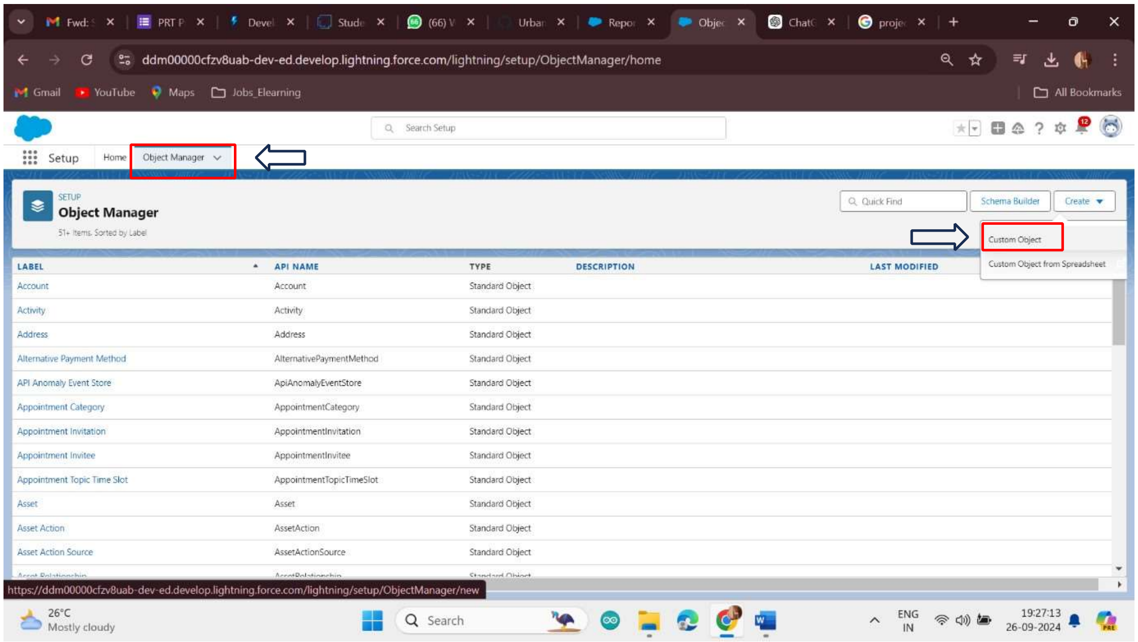
i.e .,Our Customers, Consultants, Retailers, others.

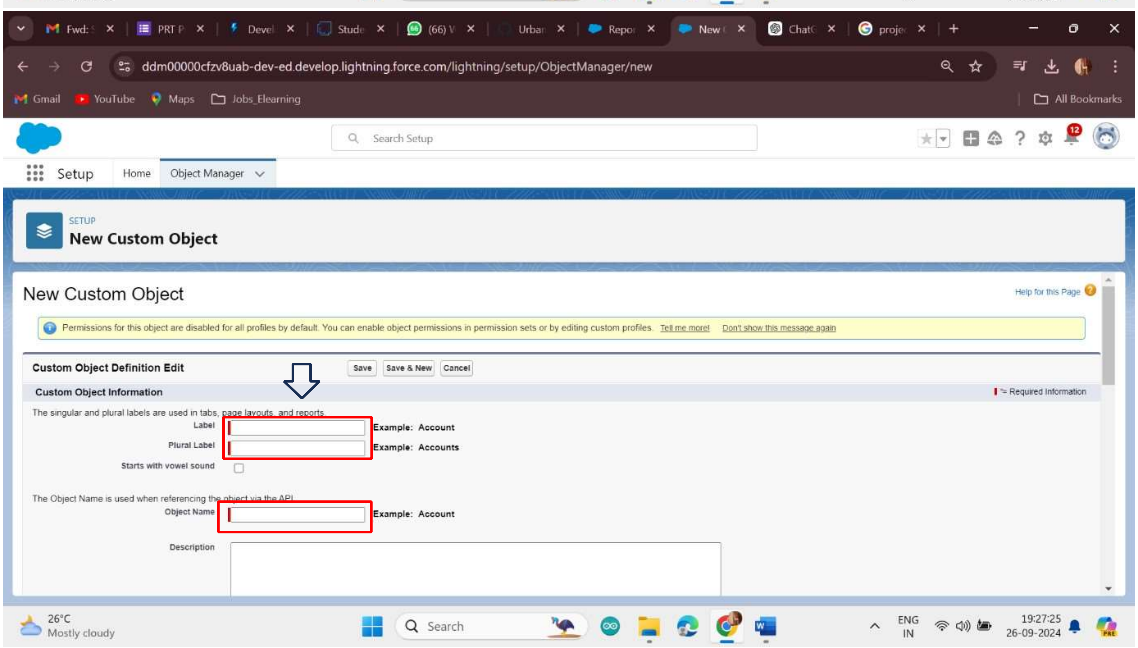
The below steps will assist you in creating those objects.

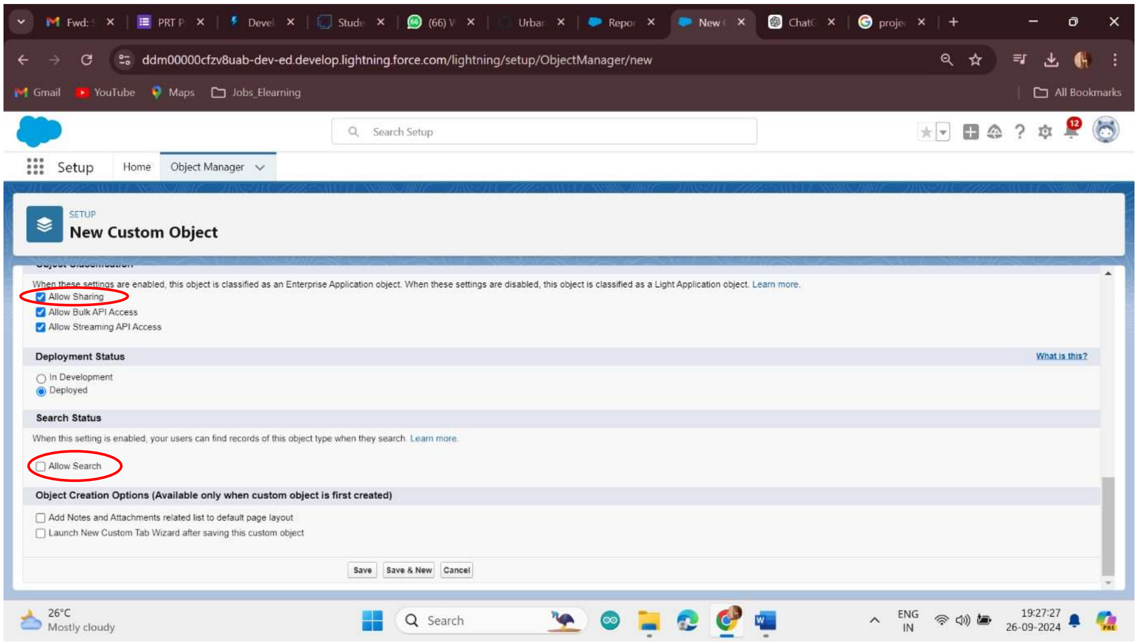
- Click on the gear icon and then select Setup.
- Click on the object manager tab just beside the home tab.
- After the above steps, have a look on the extreme right you will find a Create Dropdown click on that and select Custom Object.
- Creation of Our Customer Object

On the Custom Object Definition page, create the object as follows:

- Label: Our Customer
- Plural Label: Our Customers
- Record Name: Our Customer
- Check the Allow Reports checkbox
- Check the Allow Search checkbox
- Click Save.
- Now create a custom tab. Click the Home tab, enter Tabs in Quick Find and select Tabs.
- Under Custom Object Tabs, click New.
- For Object, select Our Customer.
- For Tab Style, select any icon.
- Leave all defaults as is. Click Next, Next, and Save.


ddm00000cfzv8uab-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home
Setup
Home
Object Manager
SETUP
Object Manager
Quick Find
Schema Builder
Create
Custom Object
Custom Object from Spreadsheet
LABEL
API NAME
TYPE
DESCRIPTION
LAST MODIFIED
Account
Activity
Address
Alternative Payment Method
API Anomaly Event Store
Appointment Category
Appointment Invitation
Appointment Invitee
Appointment Topic Time Slot
Asset
Asset Action
Asset Action Source
Standard Object


ddm00000cfzv8uab-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/new
Setup
Home
Object Manager
SETUP
New Custom Object
New Custom Object
Help for this Page
Permissions for this object are disabled for all profiles by default. You can enable object permissions in permission sets or by editing custom profiles. Tell me more! Don't show this message again
Custom Object Definition Edit
Save
Save & New
Cancel
Custom Object Information
= Required Information
The singular and plural labels are used in tabs, page layouts, and reports.
Label
Example: Account
Plural Label
Example: Accounts
Starts with vowel sound
The Object Name is used when referencing the object via the API.
Object Name
Example: Account
Description



2.2.Consultants Object Creation

To Create an object:

The below steps will assist you in creating those objects.

- Click on the gear icon and then select Setup.
- Click on the object manager tab just beside the home tab.
- After the above steps, have a look on the extreme right you will find a Create Dropdown click on that and select Custom Object.
- Creation of Consultant Object

On the Custom Object Definition page, create the object as follows:

- Label: Consultant
- Plural Label: Consultants
- Record Name: Consultants
- Check the Allow Reports checkbox Check the Allow Search checkbox Click Save.
- Now create a custom tab. Click the Home tab, enter Tabs in Quick Find and select Tabs.
- Under Custom Object Tabs, click New.
- For Object, select Consultants.
- For Tab Style, select any icon.
- Leave all defaults as is. Click Next, Next, and Save.

2.3.Retailers object creation

To Create an object:

The below steps will assist you in creating those objects.

- Click on the gear icon and then select Setup.
- Click on the object manager tab just beside the home tab.
- After the above steps, have a look on the extreme right you will find a Create Dropdown click on that and select Custom Object.
- Creation of Retailer Object

On the Custom Object Definition page, create the object as follows:

- Label: Retailer
- Plural Label: Retailers
- Record Name: Retailers
- Check the Allow Reports checkbox Check the Allow Search checkbox Click Save.
- Now create a custom tab. Click the Home tab, enter Tabs in Quick Find and select Tabs.
- Under Custom Object Tabs, click New.
- For Object, select Retailers.
- For Tab Style, select any icon.
- Leave all defaults as is. Click Next, Next, and Save.

2.4.Others Object Creation

To Create an object:

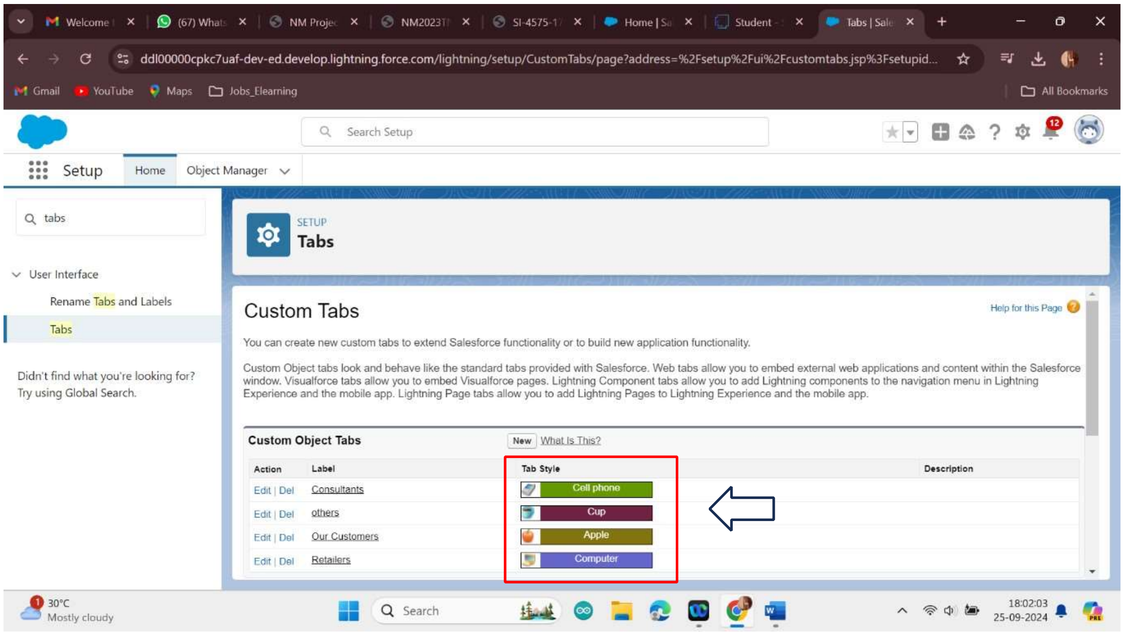
The below steps will assist you in creating those objects.

- Click on the gear icon and then select Setup.
- Click on the object manager tab just beside the home tab.
- After the above steps, have a look on the extreme right you will find a Create Dropdown click on that and select Custom Object.
- Creation of others Object

On the Custom Object Definition page, create the object as follows:

- Label: other
- Plural Label: others
- Record Name: others
- Check the Allow Reports checkbox Check the Allow Search checkbox Click Save.
- Now create a custom tab. Click the Home tab, enter Tabs in Quick Find and select Tabs.
- Under Custom Object Tabs, click New.
- For Object, select others.
- For Tab Style, select any icon.

- Leave all defaults as is. Click Next, Next, and Save.



An object relationship in Salesforce is a two-way association between two objects.

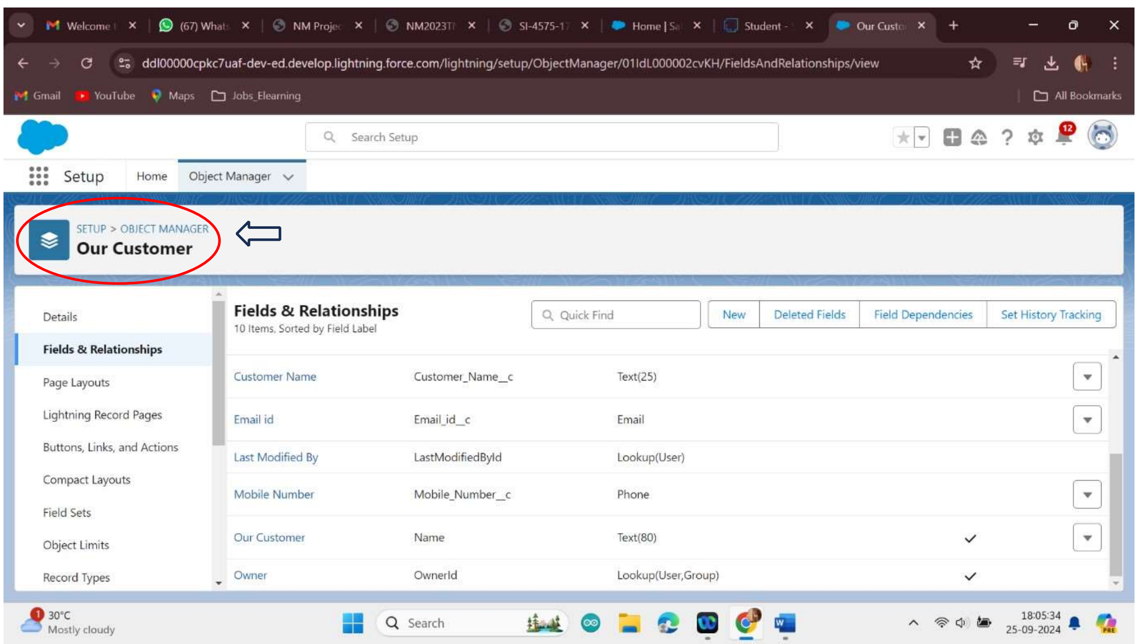
3.Fields and Relationship

Relationships are created by creating custom relationship fields on an object. This is done so that when users view records, they can also see and access related data.

3.1.Fields in Our Customers objects

Fields in Our Customers objects follow below data types:

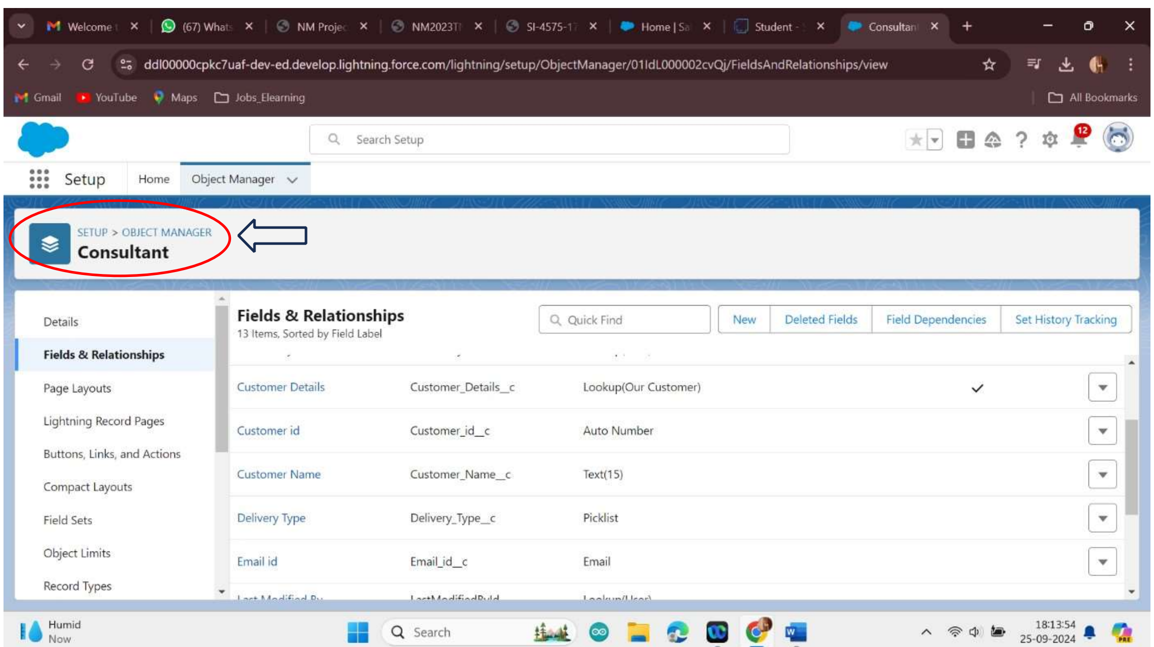
S No	Field Label	Data Type
1	Customer id	Auto Number
2	Customer Name	Text
3	Mobile Number	Phone
4	Email id	Email
5	Address	Text Area
6	Additional Information	Text Area



3.2.Fields in Consultants objects

Fields in Consultants objects follow below data types:

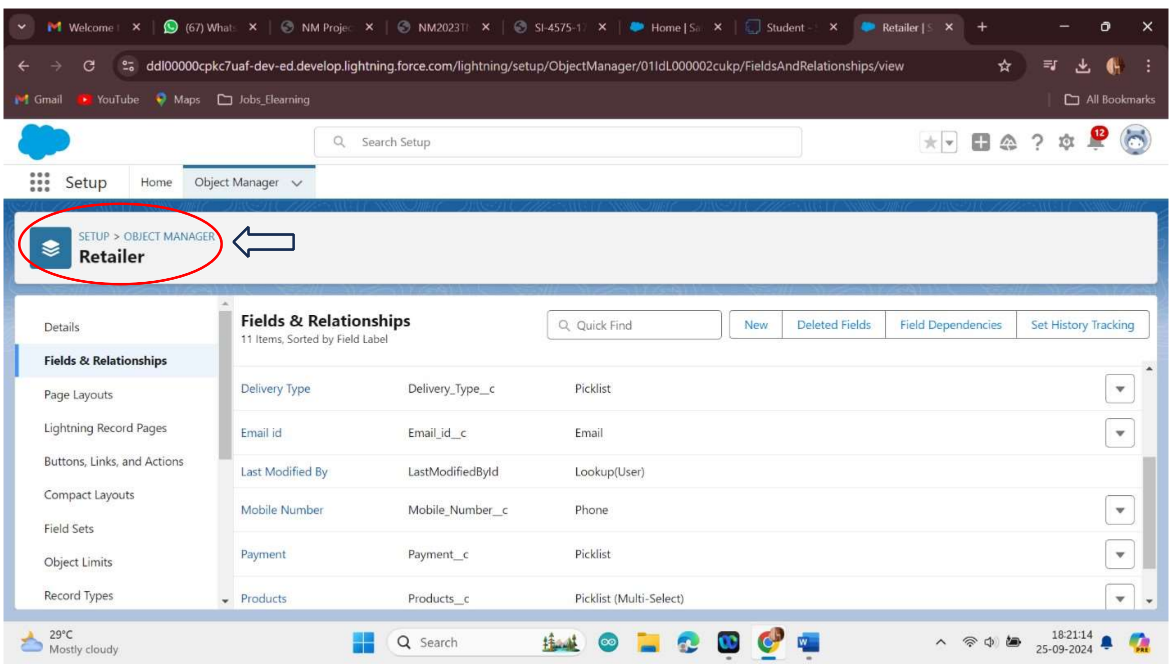
S No	Field Label	Data Type
1	Customer id	Auto Number
2	Customer Name	Text
3	Mobile Number	Phone
4	Email id	Email
5	Delivery Type 1)Self Pickup 2)Courier	Picklist
6	Products 1)Lipstick 2)Compact 3)EyeLiner 4)FacePack 5)Lip Balm 6)Nail Polish	Multi-Picklist
7	Payment 1)Debit Card 2)Credit Card 3)UPI 4)Cash	Picklist
8	Customer details	Lookup(Our Customers Object)
9	Address	Text Long



3.3.Fields in Retailers objects

Fields in Retailers objects follow below data types:

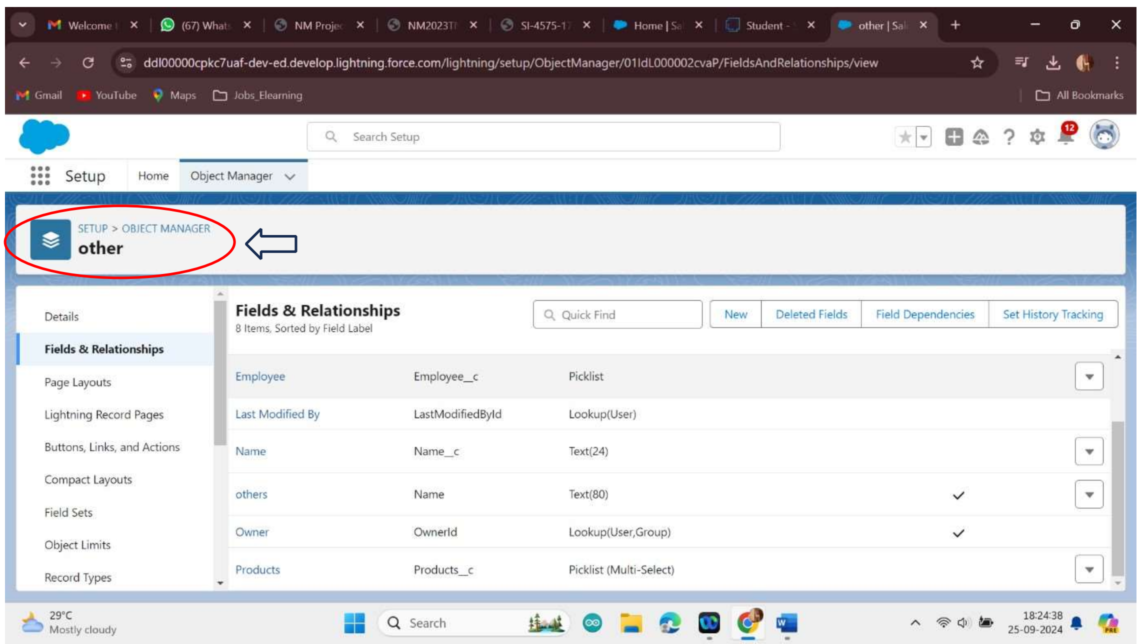
S No	Field Label	Data Type
1	Customer id	Auto Number
2	Customer Name	Text
3	Mobile Number	Phone
4	Email id	Email
5	Delivery Type 1)Self Pickup 2)Courier	Picklist
6	Products 1)Lipstick 2)Compact 3)EyeLiner 4)FacePack 5)Lip Balm 6)Nail Polish	Multi-Picklist
7	Payment 1)Debit Card 2)Credit Card 3)UPI 4)Cash	Picklist
8	Customer Details	Master-Detail Relationship (Our Customers Object)



3.4.Fields in Others objects

Fields in Others objects follow below data types:

S No	Field Label	Data Type
1	Name	Text
2	Employee 1)Company Employee 2)Staff 3)Special Reference	Picklist
3	Coupon	Text
4	Products 1)Lipstick 2)Compact 3)EyeLiner 4)FacePack 5)Lip Balm 6)Nail Polish	Multi-Picklist

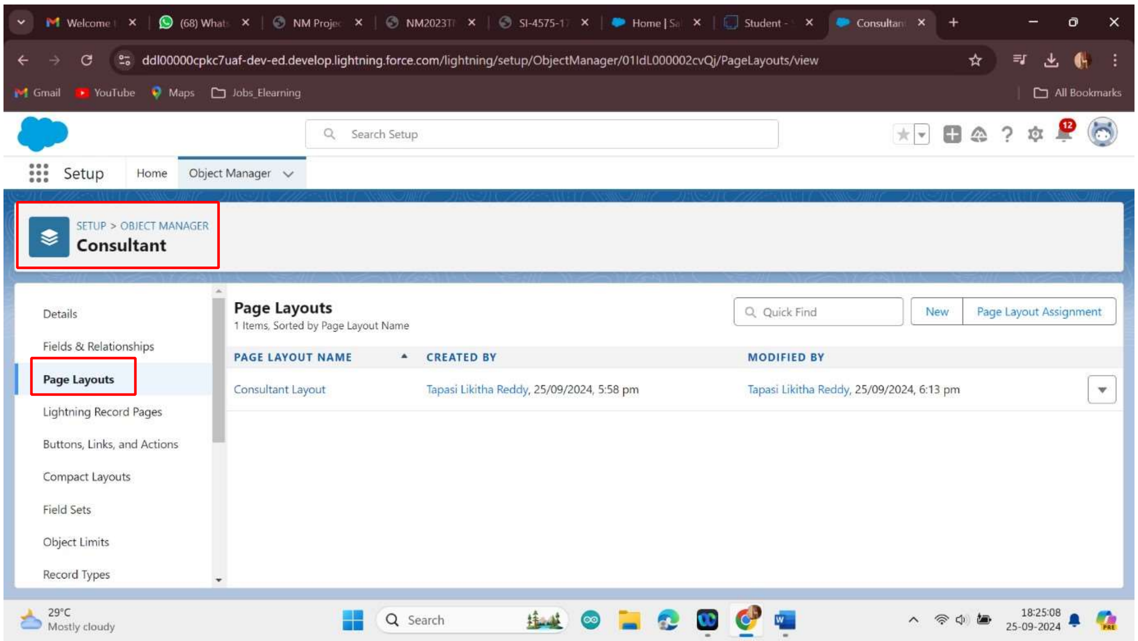


4.Page Layouts

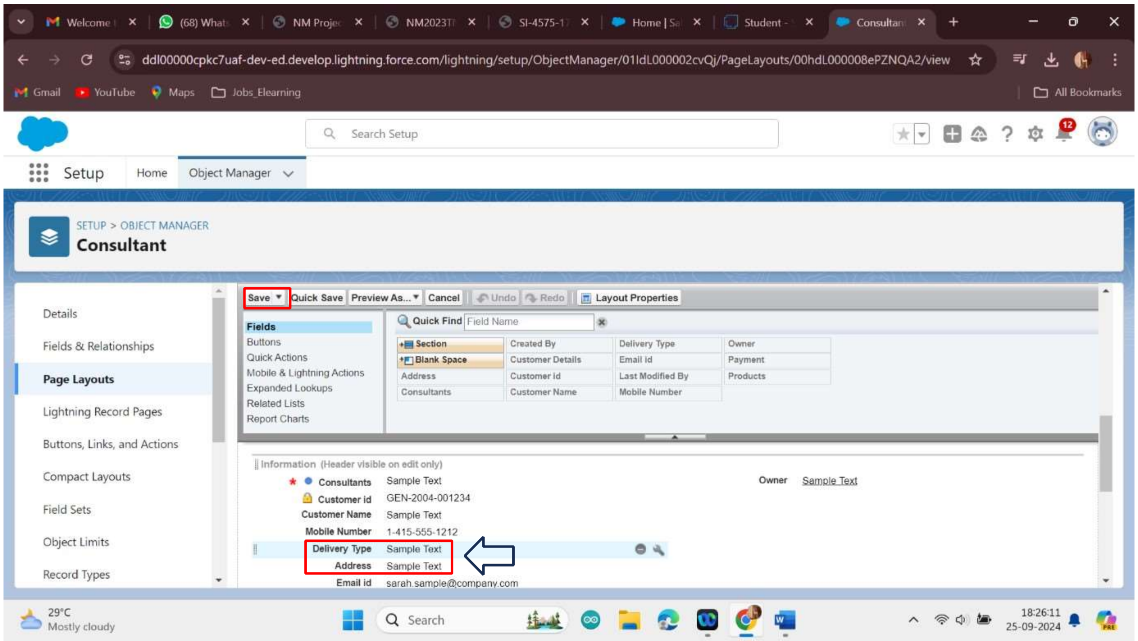
In Salesforce, page layouts define the organisation and arrangement of fields, buttons, related lists, and other components on an object's detail and edit pages. They allow you to control the user interface and tailor it to meet the specific needs of your organisation.

4.1.Page Layout Creation

1. From the Salesforce setup menu, go to "Object Manager" and select the Consultants object.
2. Click on "Page Layouts" in the left sidebar. This will display a list of available page layouts for the selected object.
3. Select the Consultant Layout page layout



4. Click And Drag Delivery type and Address Fields Below Phone field.
5. Click on Save.

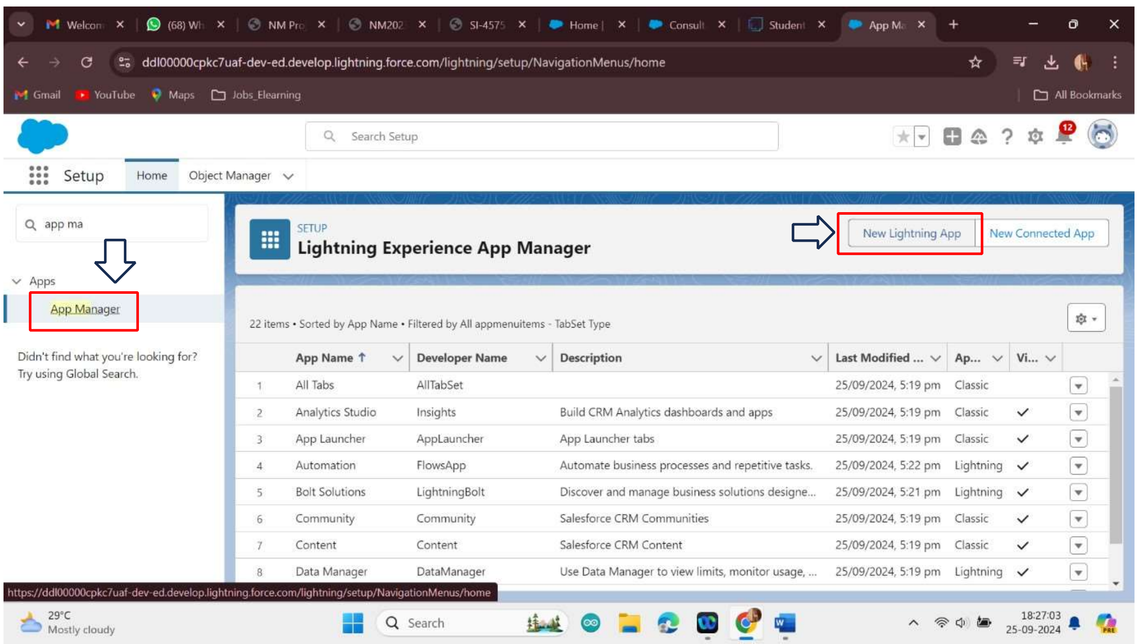


SETUP > OBJECT MANAGER
Consultant
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Save
Quick Save
Preview As...
Cancel
Undo
Redo
Layout Properties
Fields
Buttons
Quick Actions
Mobile & Lightning Actions
Expanded Lookups
Related Lists
Report Charts
Quick Find
Section
Blank Space
Address
Consultants
Created By
Customer Details
Customer id
Customer Name
Delivery Type
Email id
Last Modified By
Mobile Number
Owner
Payment
Products
Information (Header visible on edit only)
Consultants Sample Text
Customer id GEN-2004-001234
Customer Name Sample Text
Mobile Number 1-415-555-1212
Delivery Type Sample Text
Address Sample Text
Email id sarah.sample@company.com
Owner Sample Text

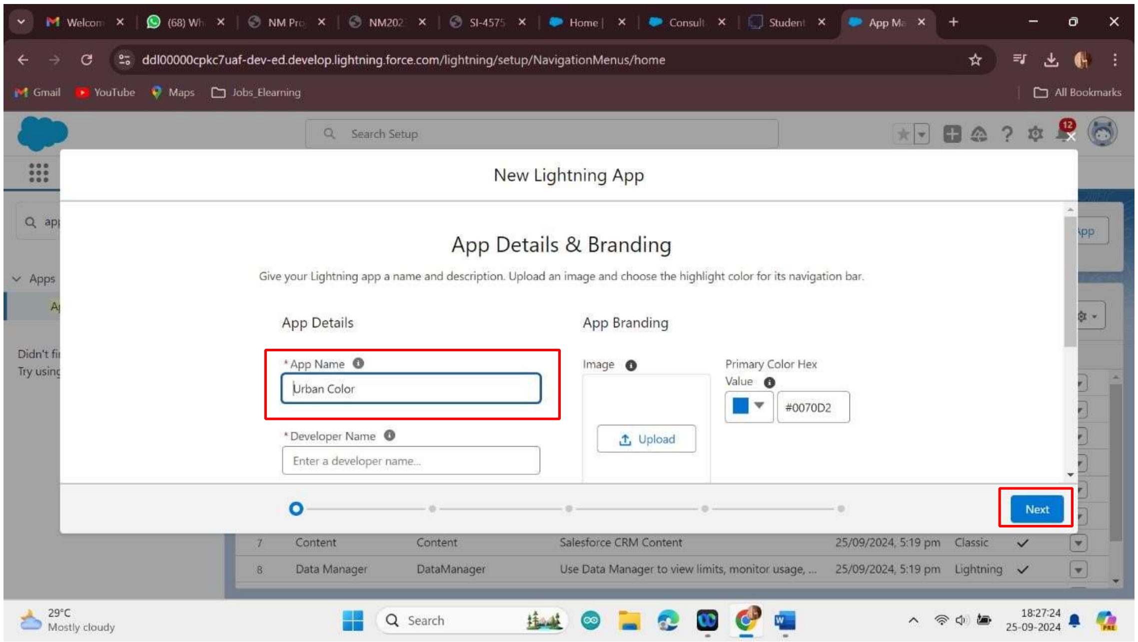
5.The Lightning App

An app is a collection of items that work together to serve a particular function. In Lightning Experience, Lightning apps give your users access to sets of objects, tabs, and other items all in one convenient bundle in the navigation bar.
Lightning apps let you brand your apps with a custom Color and logo. You can even include a utility bar and Lightning page tabs in your Lightning app. Members of your org can work more efficiently by easily switching between apps.

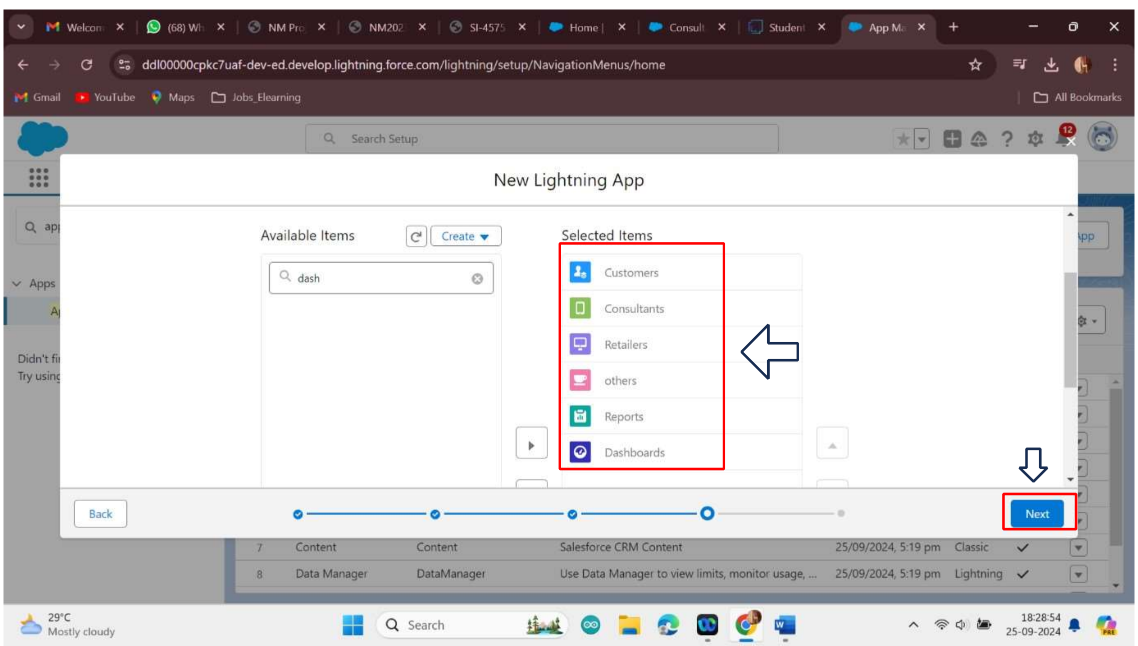
5. **1.Create a Lightning App** To create a lightning app page:
   1. Go to setup page --> search "app manager" in quick find --> select "app manager" --> click on New lightning App.



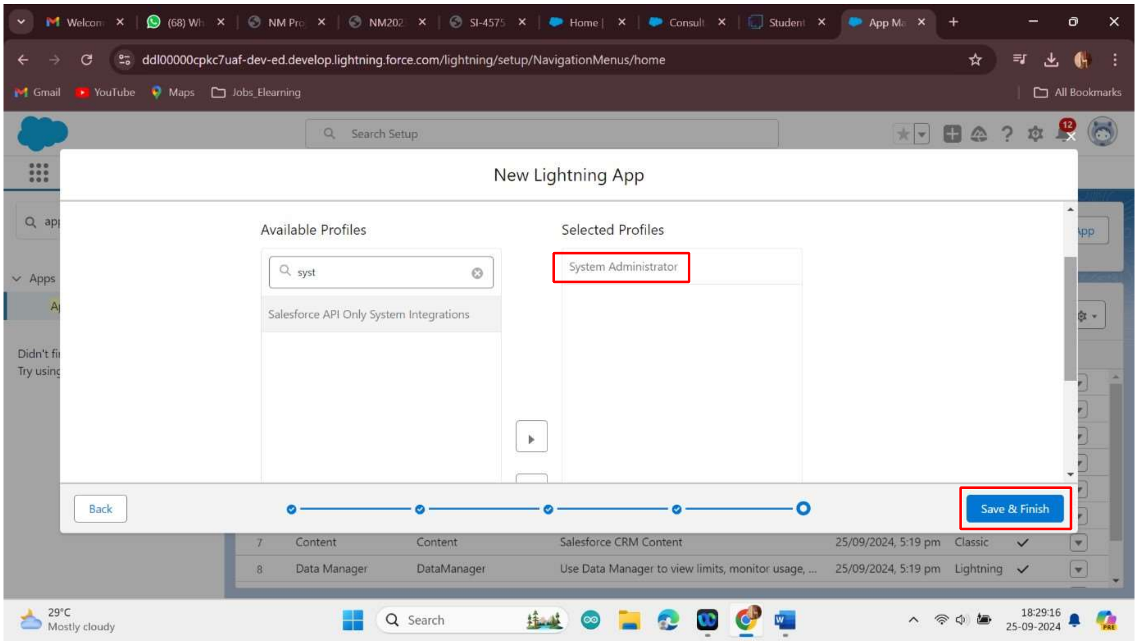
   2. Fill the app name as Urban Color in app details and branding --> Next --> (App option page) keep it as default --> Next --> (Utility Items) keep it as default --> Next.



3. To Add Navigation Items.
4. Select the items (Our Customers,Consultants,Retailers,Others,Reports,Dashboards) from the search bar and move it using the arrow button --> Next.
5. To Add User Profiles:



6. Search profiles (System administrator) in the search bar --> click on the arrow button-> save & finish.


New Lightning App
Available Profiles
Selected Profiles
System Administrator
Salesforce API Only System Integrations
Back
Save & Finish

6.Profile

A profile is a group/collection of settings and permissions that define what a user can do in salesforce. A profile controls "Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges.

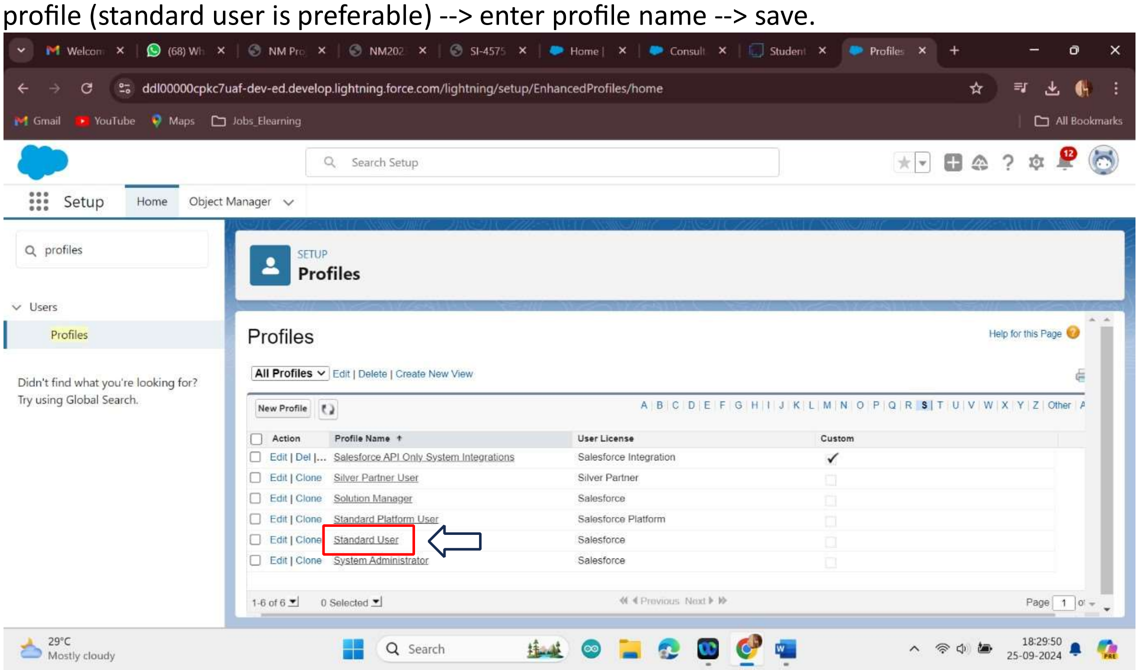
6.1.Creating a Profiles

Creating a Profiles: Now create a Store Supervisor profile and set its object permissions.
Creating a Profiles:
Now create a Store Supervisor profile and set its object permissions.

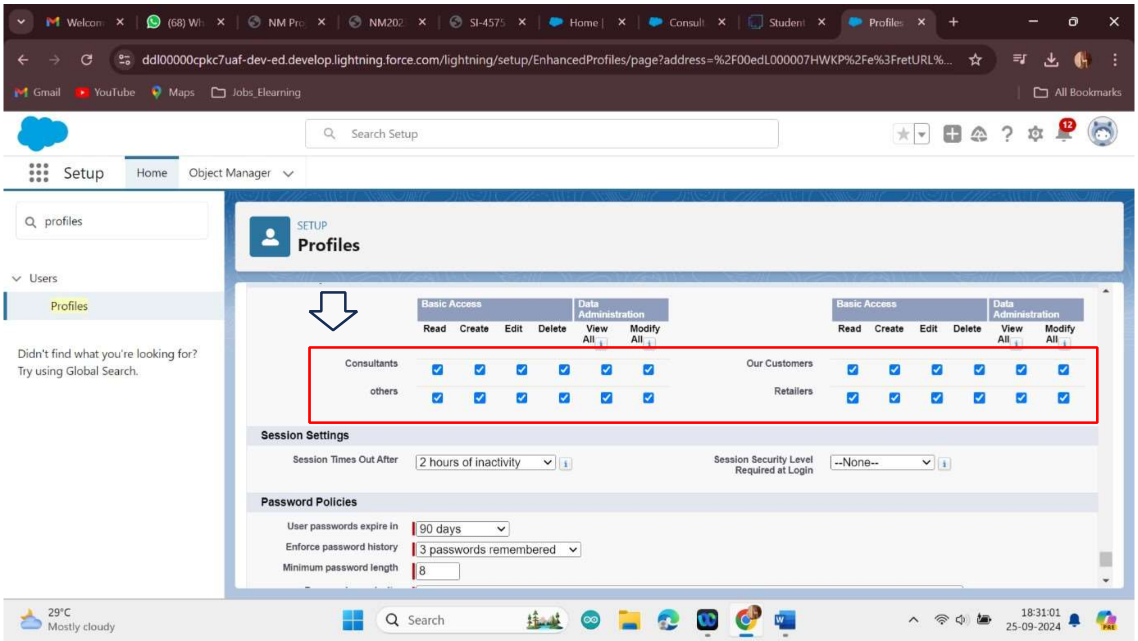
- From Setup enter Profiles in the Quick Find box, and select Profiles.
- From the list of profiles, find Standard User.
- Click Clone.
- For Profile Name, enter Store Supervisor.
- Click Save.
- While still on the Store Supervisor profile page, then click Edit.
- Scroll down to Custom Object Permissions and give access for Create,Read,Edit,Delete,View all and modify all for Our Customers,Consultants,Retailers,Others.
- Scroll down to Custom App Settings and give access for Urban Color.

To create a new profile:

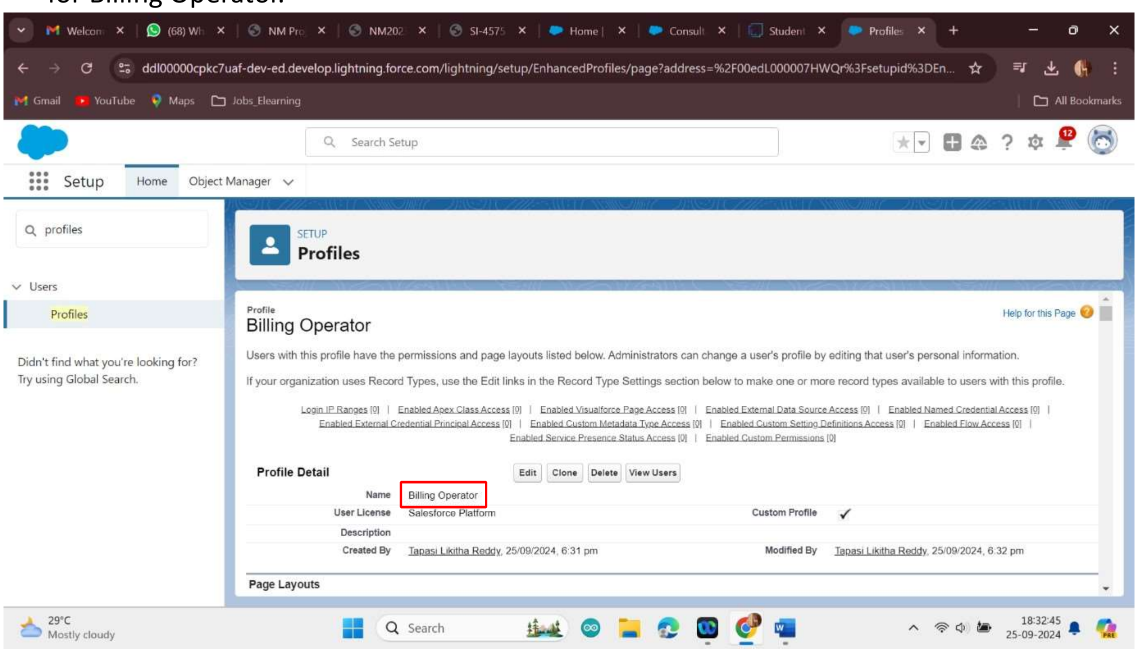
1. Go to setup --> type profiles in quick find box --> click on profiles --> clone the desired profile (standard user is preferable) --> enter profile name --> save.



2. Scroll down to the Custom object permission and give all access to the Consultants, Others, Our Customers, Retailers object.



3. Click on Save.
4. Similarly Create operator profile ,Clone Salesforce Platform user and give access only for Billing Operator.



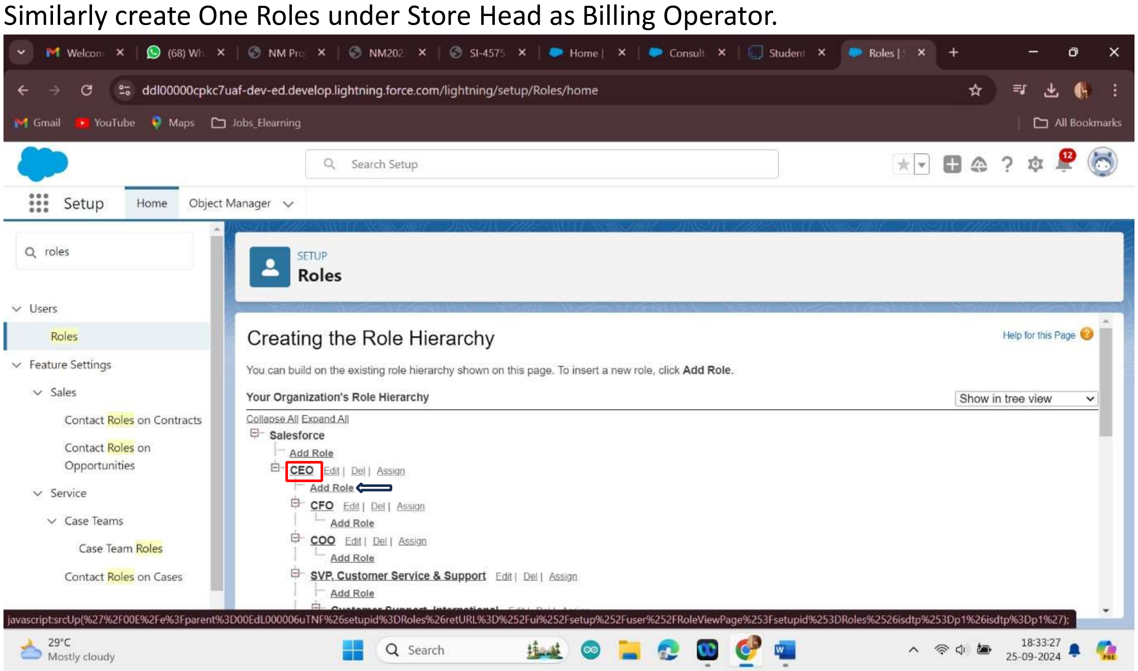
7.Setup Roles

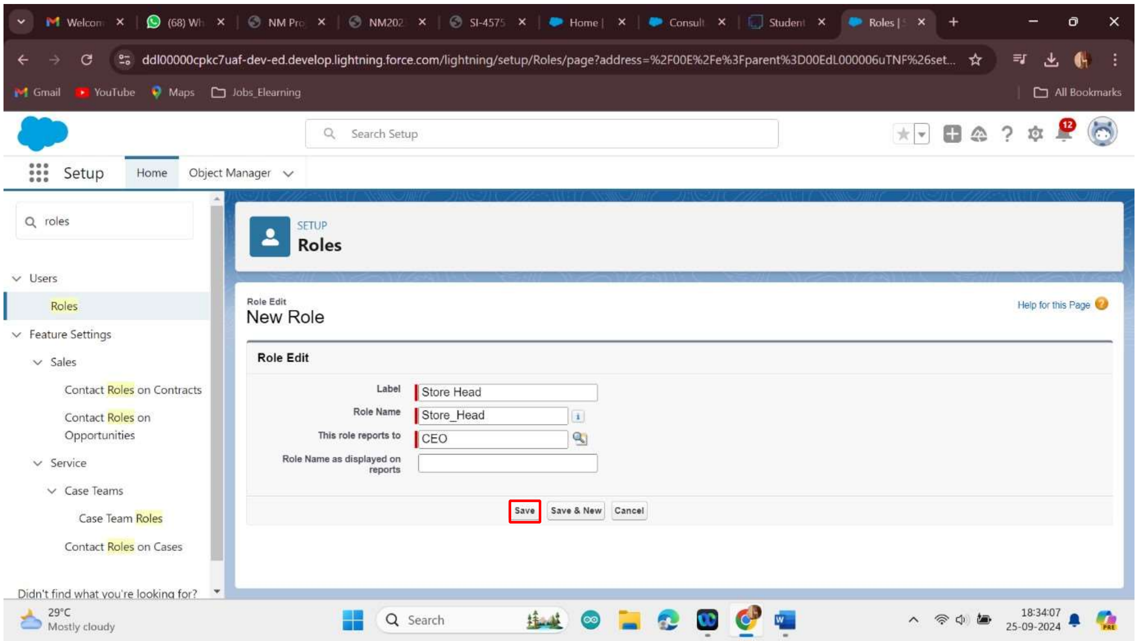
Roles are record-level access controls that define what data a user can see in Salesforce.

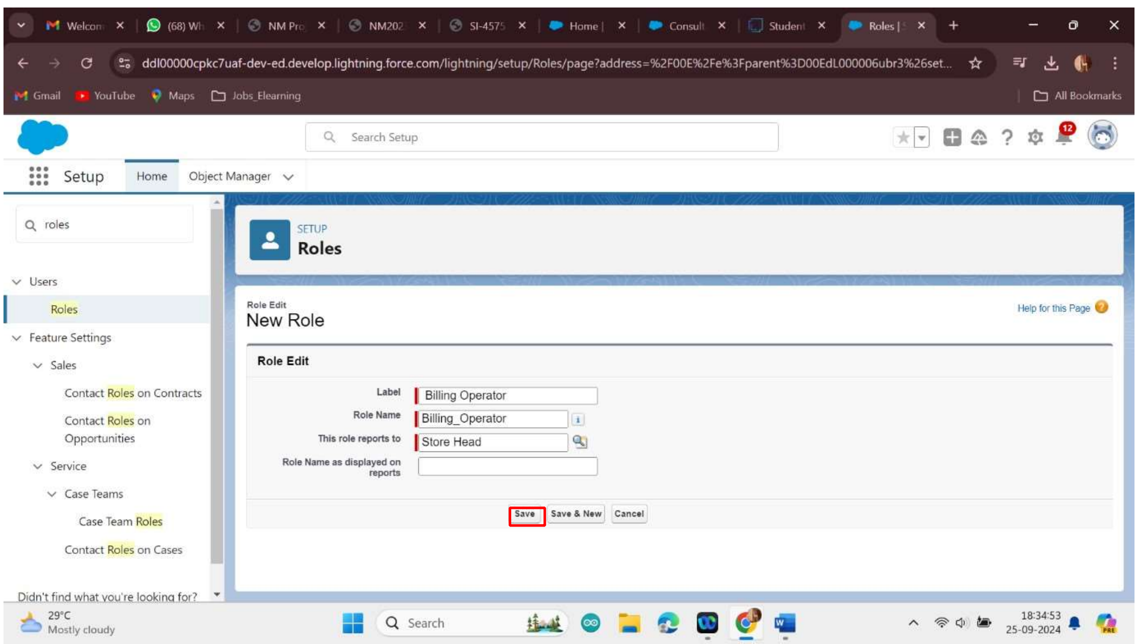
7.1.Setup Roles

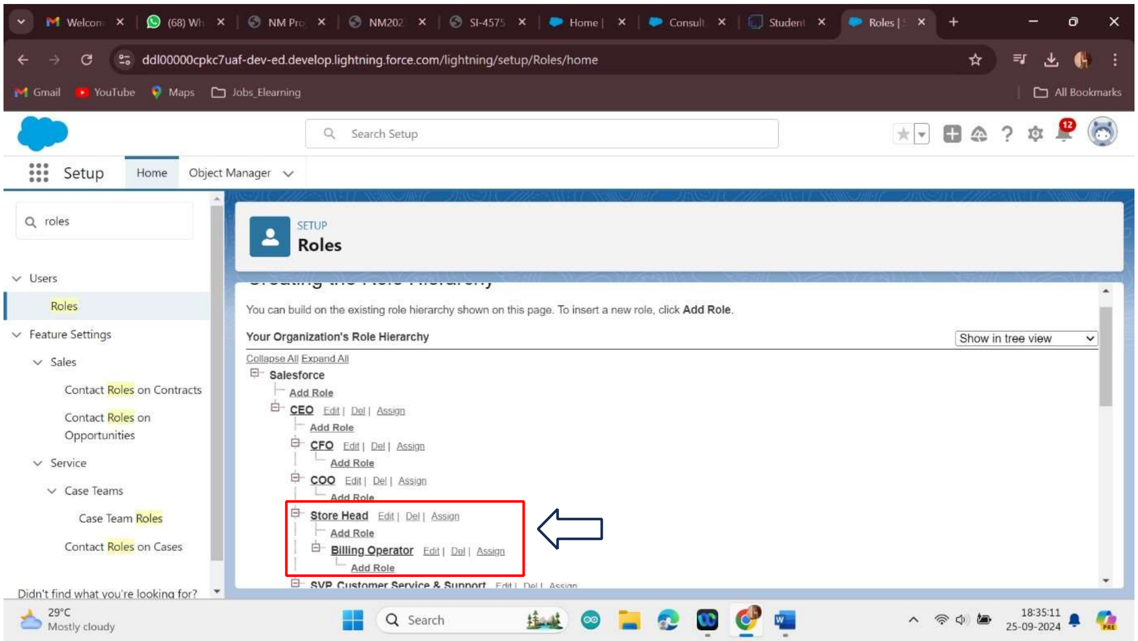
1. Click on the Gear Icon
2. Click "Setup"
3. In the Quick Find box, enter "Roles"
4. Click "Roles"
5. Click on "Set Up Roles"
6. Click "Expand All"
7. Under the CEO, click on "Add Role"
8. Fill up the Label as Store Head, Role Name Store_Head.
9. Enter a Role name that will be displayed on Reports
10. Click on Save .

Similarly create One Roles under Store Head as Billing Operator.




Setup
Home
Object Manager
SETUP
Roles
Role Edit
New Role
Help for this Page
Role Edit
Label
Store Head
Role Name
Store_Head
This role reports to
CEO
Role Name as displayed on reports
Save
Save & New
Cancel


Setup
Home
Object Manager
SETUP
Roles
Role Edit
New Role
Help for this Page
Role Edit
Label
Billing Operator
Role Name
Billing_Operator
This role reports to
Store Head
Role Name as displayed on reports
Save
Save & New
Cancel



ddl00000cpkc7uaf-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home
Setup
Home
Object Manager
SETUP
Roles
You can build on the existing role hierarchy shown on this page. To insert a new role, click Add Role.
Your Organization's Role Hierarchy
Show in tree view
Collapse All Expand All
Salesforce
Add Role
CEO Edit | Del | Assign
Add Role
CFO Edit | Del | Assign
Add Role
COO Edit | Del | Assign
Add Role
Store Head Edit | Del | Assign
Add Role
Billing Operator Edit | Del | Assign
Add Role
SVP, Customer Service & Support Edit | Del | Assign
Users
Roles
Feature Settings
Sales
Contact Roles on Contracts
Contact Roles on Opportunities
Service
Case Teams
Case Team Roles
Contact Roles on Cases
Didn't find what you're looking for?

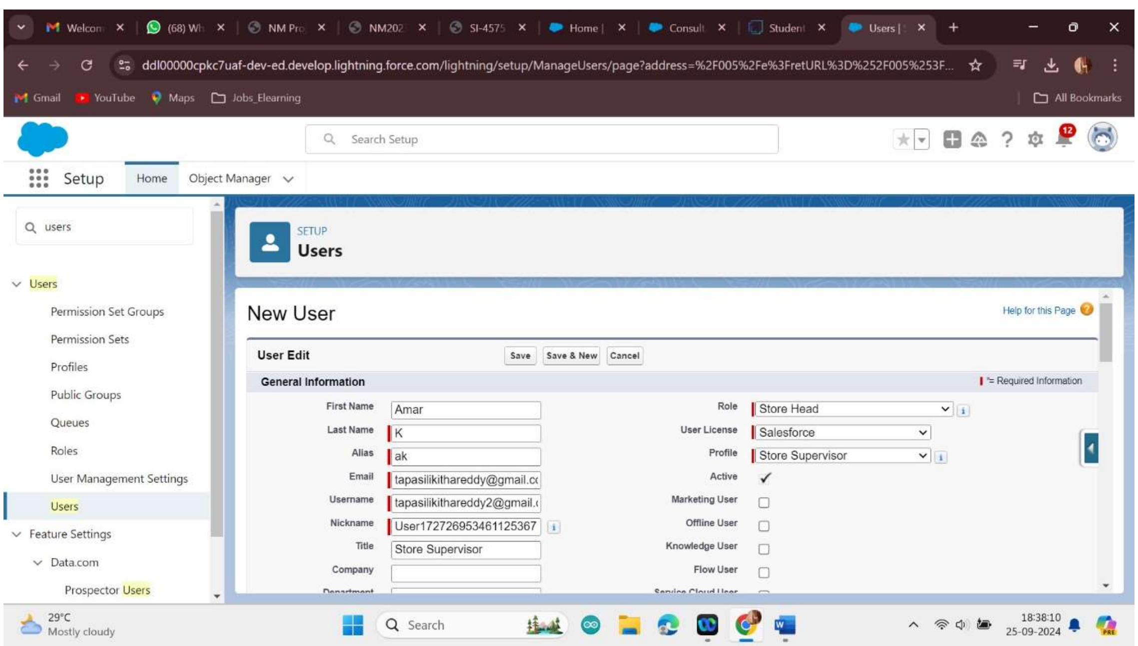
8.Users

A user is anyone who logs in to Salesforce. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account.

8.1.Creating a Users:

1. From Setup, in the Quick Find box, enter Users, and then select Users.
2. Click New User.
3. Enter the user's name Amar K and (Your) email address and a unique username in the form of an email address. By default, the username is the same as the email address.
4. Select a Role(Store Head)
5. Select a User Licence As Salesforce.
6. Select a profile as Store Supervisor.
7. Check Generate new password and notify the user immediately to have the user's login name and a temporary password emailed to your email.

   Fill in the fields (first name, last name, alias, email id, username, nick name, role, user licence, profiles) --> save.

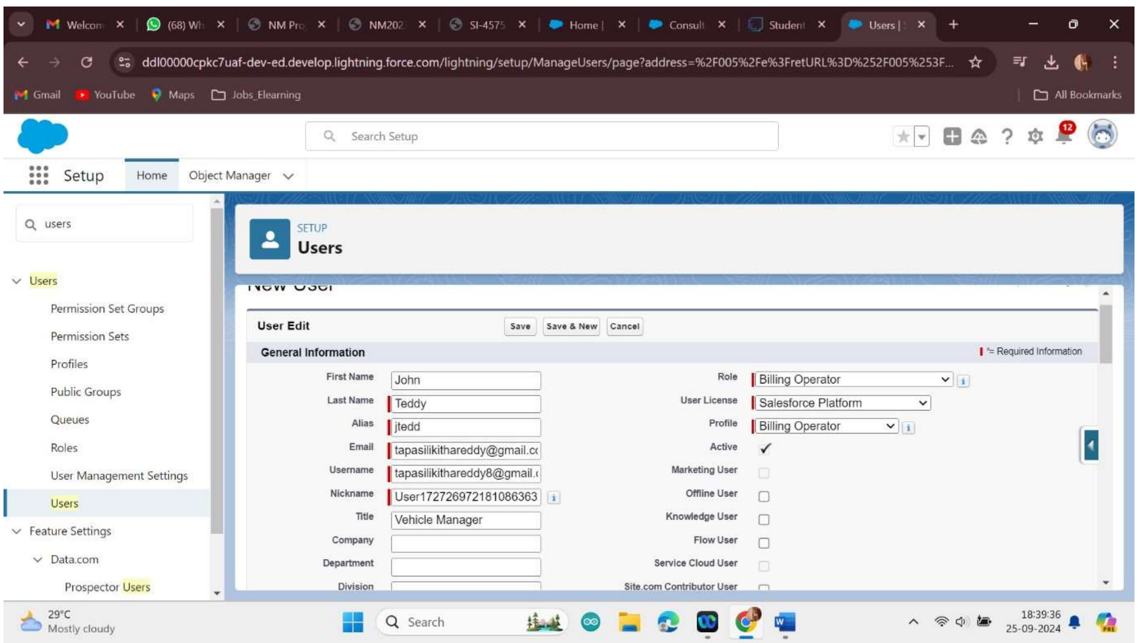


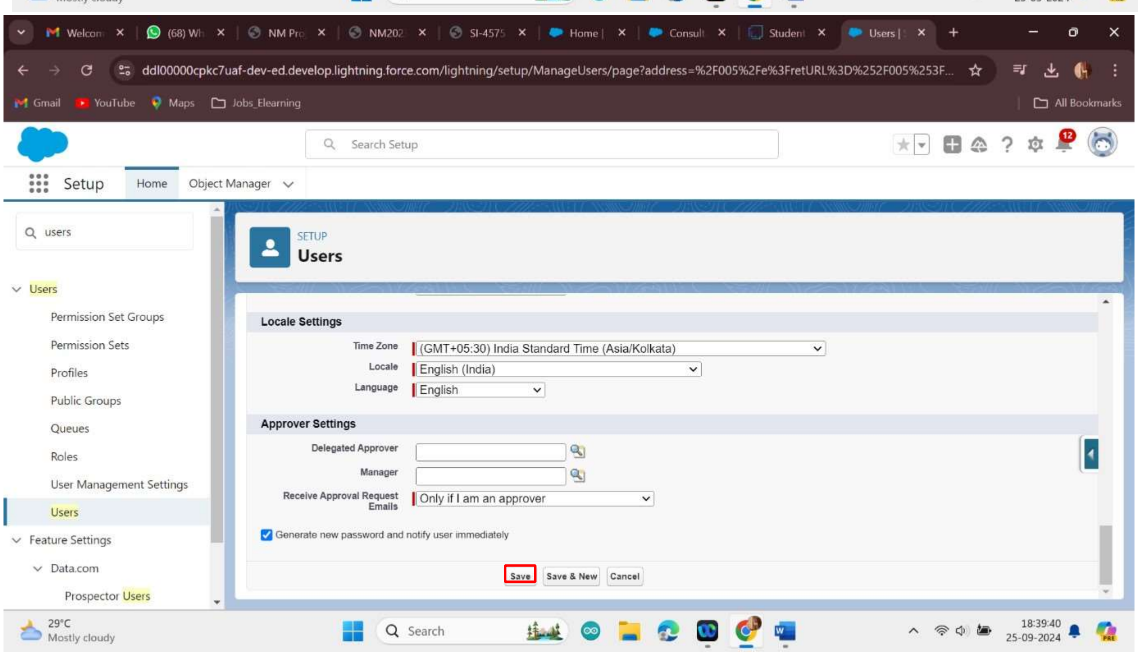
8.2.Second User Creation

1. From Setup, in the Quick Find box, enter Users, and then select Users.
2. Click New User.

3. Enter the user's name John Teddy and (Your) email address and a unique username in the form of an email address. By default, the username is the same as the email address.
4. Select a Role(Billing Operator)
5. Select a User Licence As Salesforce Platform.
6. Select a profile as Billing Operator.
7. Check Generate new password and notify the user immediately to have the user's login name and a temporary password emailed to your email.

   Fill in the fields (first name, last name, alias, email id, username, nick name, role, user licence, profiles) --> save.





9.User Adoption

We need to understand user adoption and navigation. How to interact with database and their records.

9.1.Create Our Customer Record

1. Click on App Launcher on left side of screen.

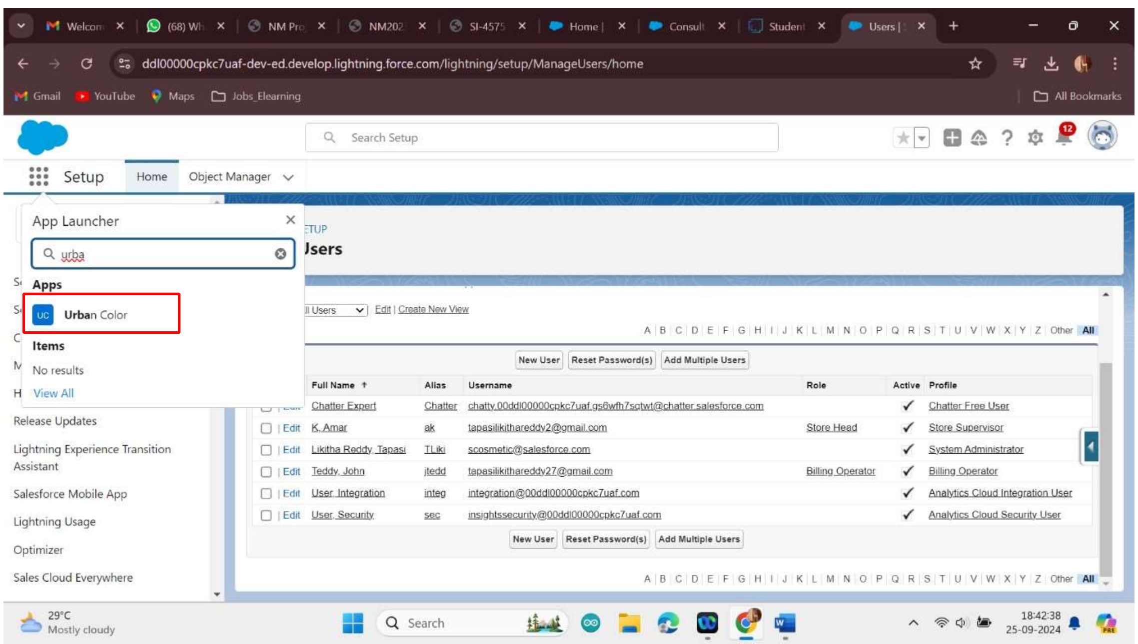
2. Search Urban Color & click on it.

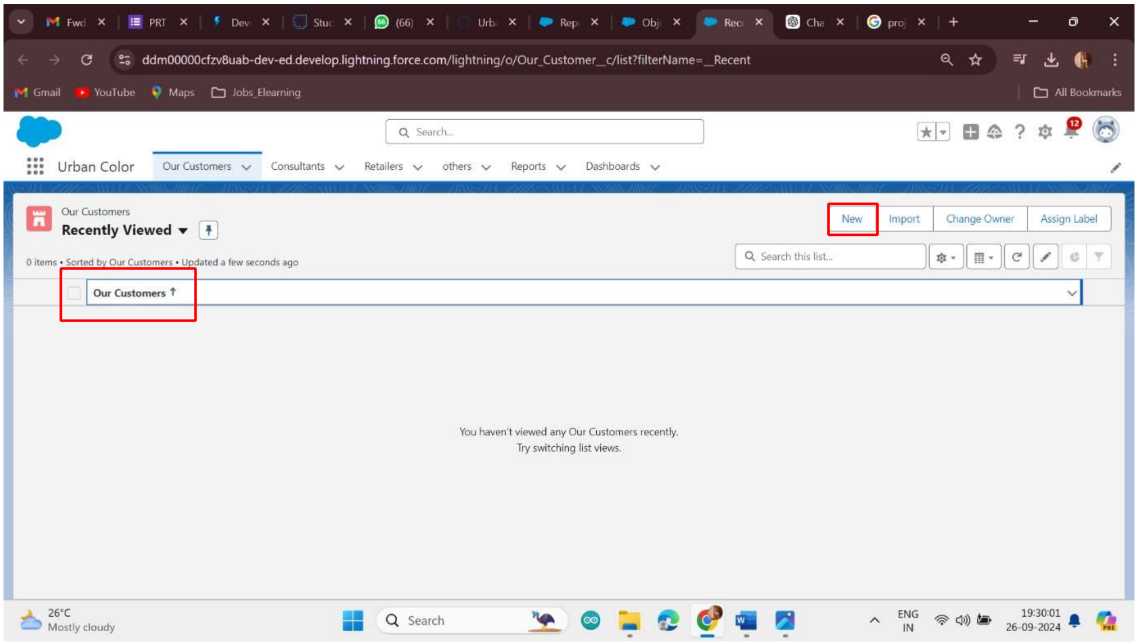
3. Click on Our Customer tab.

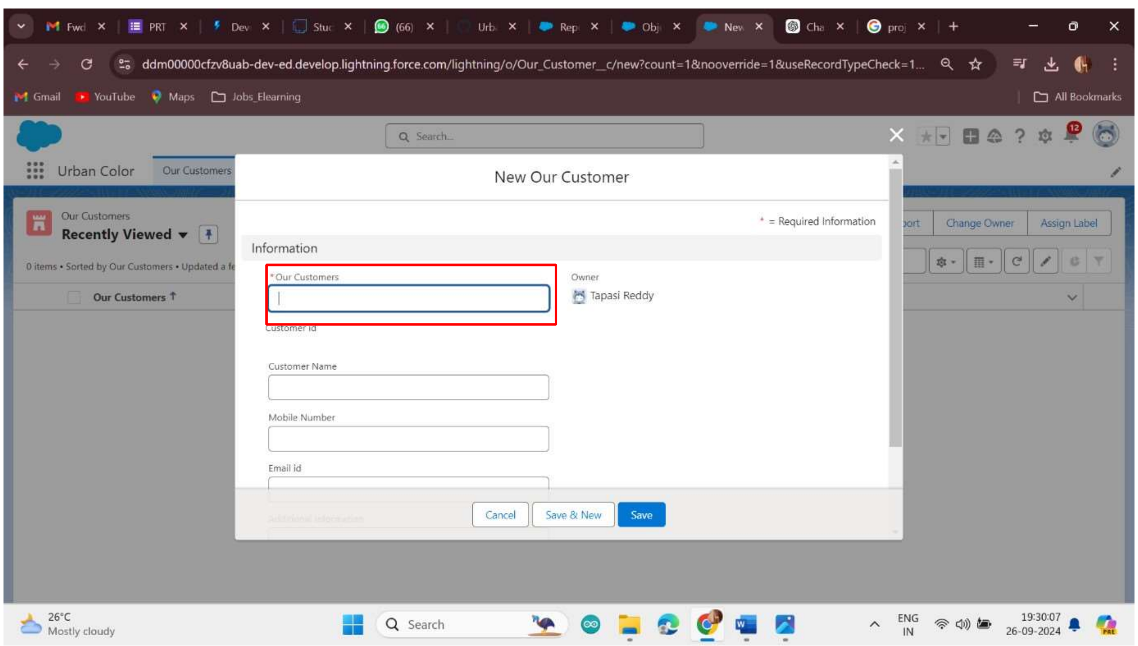
4. Click new button

5. Fill all Our Customer record details.

6. Click on Save Button





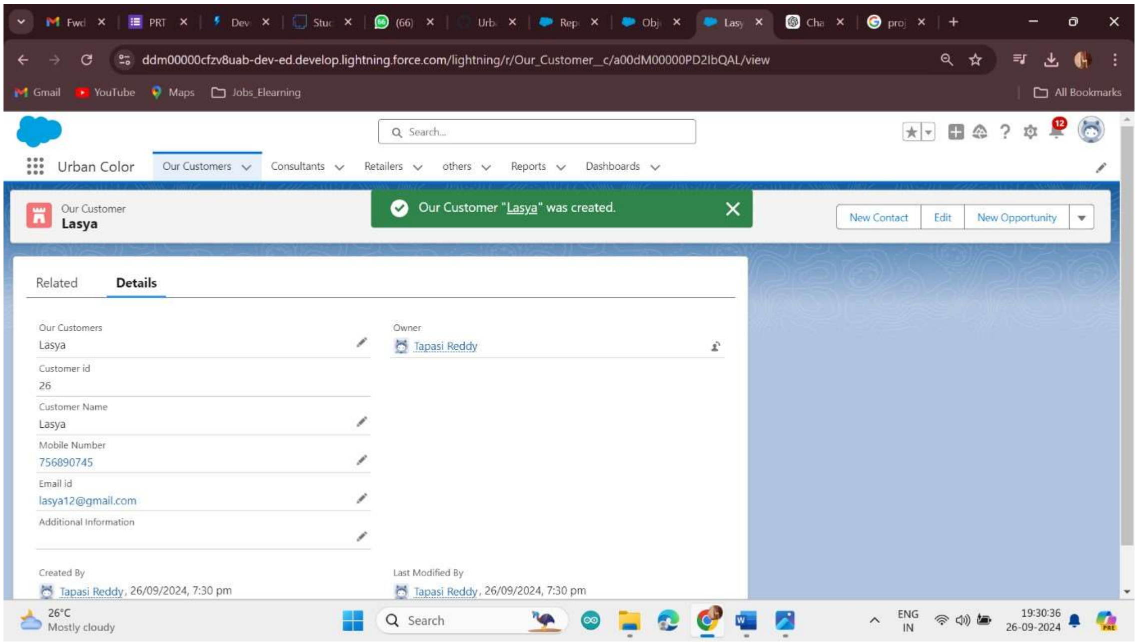


9.2.View Record (Our Customer)

View Record (Our Customer):

1. Click on App Launcher on the left side of the screen.
2. Search Urban Color & click on it.
3. Click on Our Customer Tab.

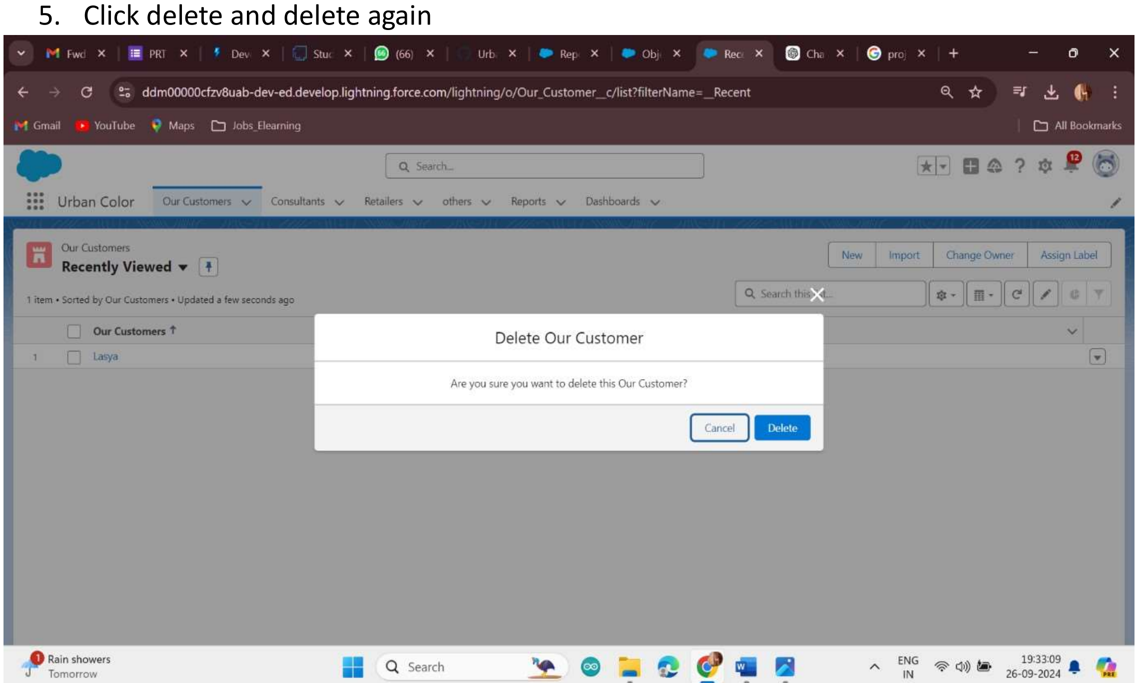
4. Click on any record name. you can see the details of the Our Customer.



9.3.Delete Record (Our Customer)

Delete Record (Our Customer):

1. Click on App Launcher on the left side of the screen.
2. Search Urban Color & click on it.
3. Click on Our Customer Tab.
4. Click on Arrow at right hand side on that Particular record.
5. Click delete and delete again

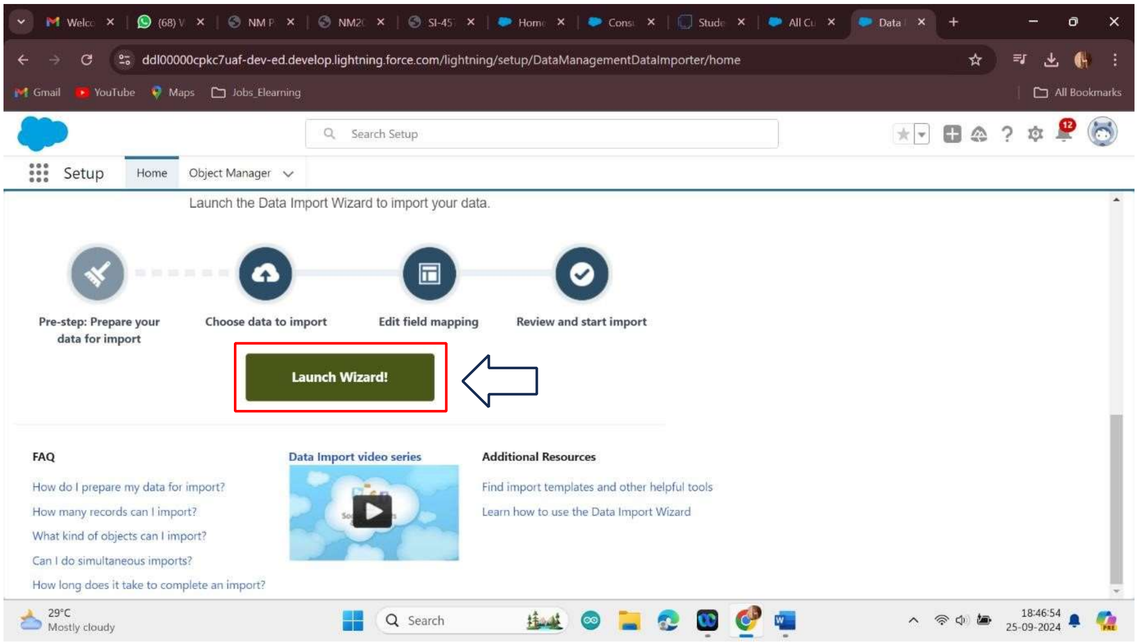


10.Import Data

Data Import Wizard—this tool, accessible through the Setup menu, lets you import data in common standard objects, such as contacts, leads, accounts, as well as data in custom objects.

10.1.To Import Data

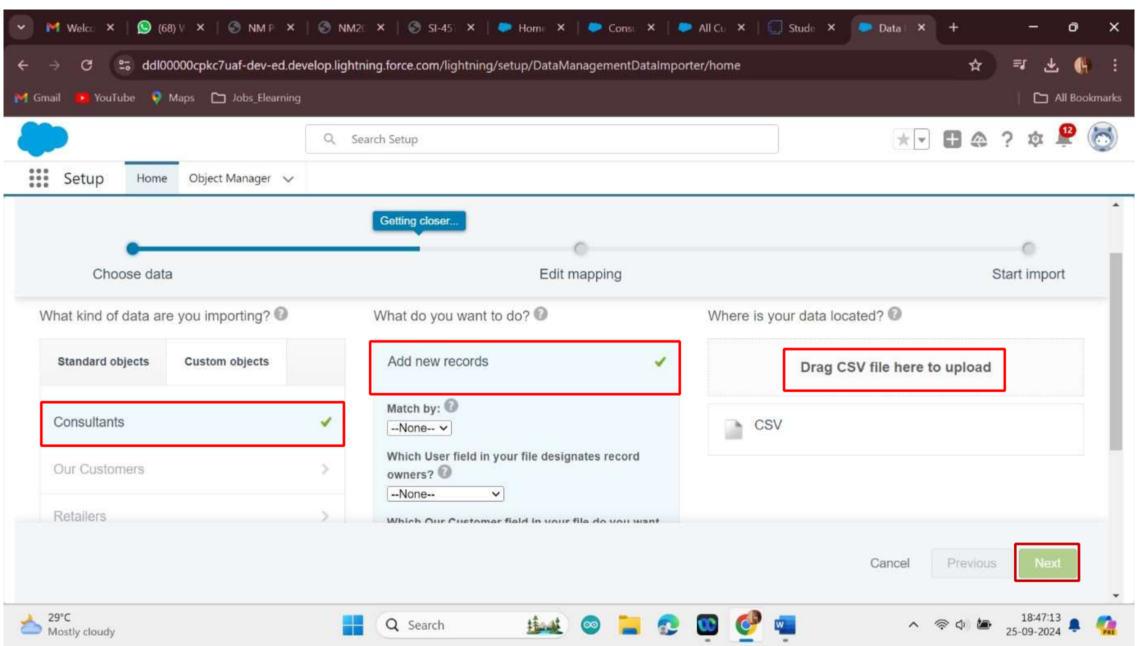
1. From Setup, click the Home tab.
2. In the Quick Find box, enter Data Import and select Data Import Wizard
3. Click Launch Wizard!



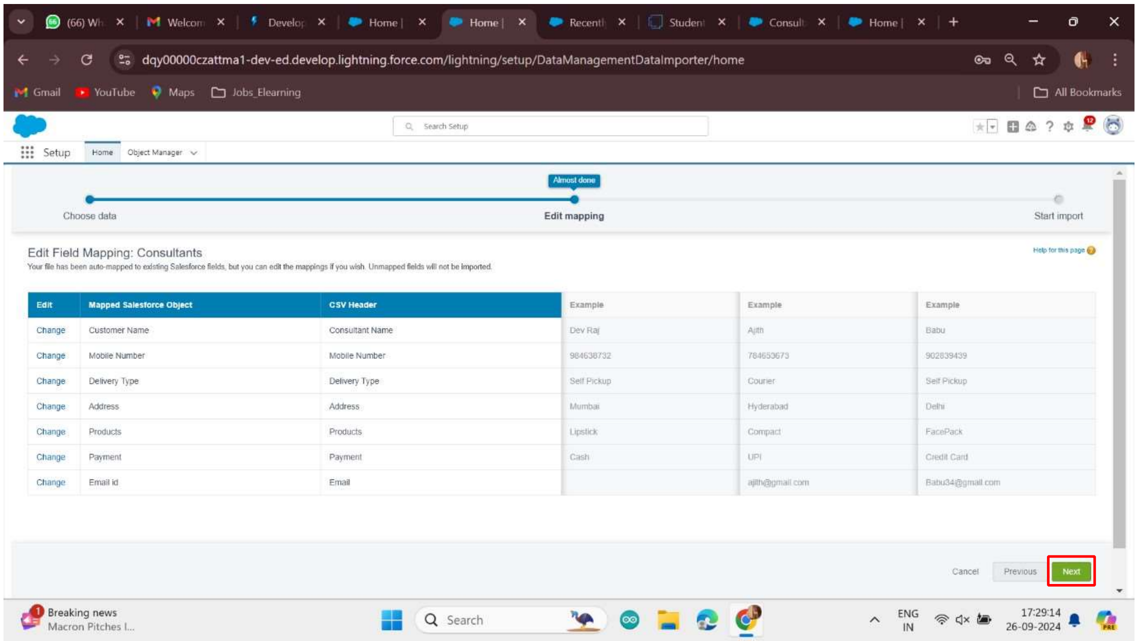
4. Click the Custom Objects tab and select the Consultant object.

5. Select Add new records.

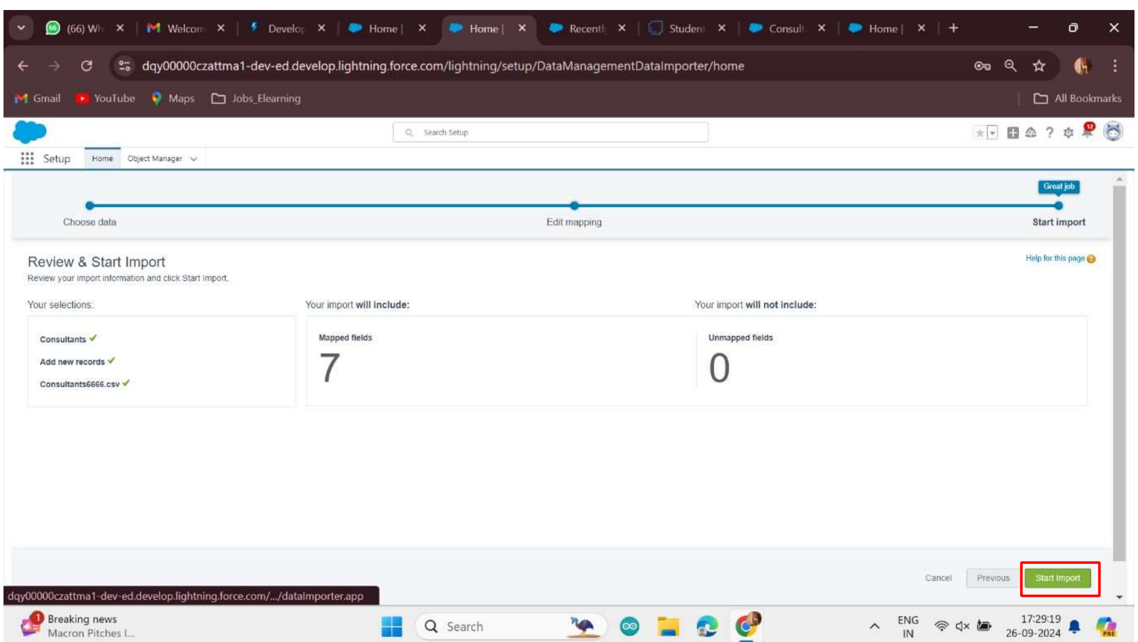
6. Click CSV and choose file Consultant_CSV which we made earlier. Click Next.



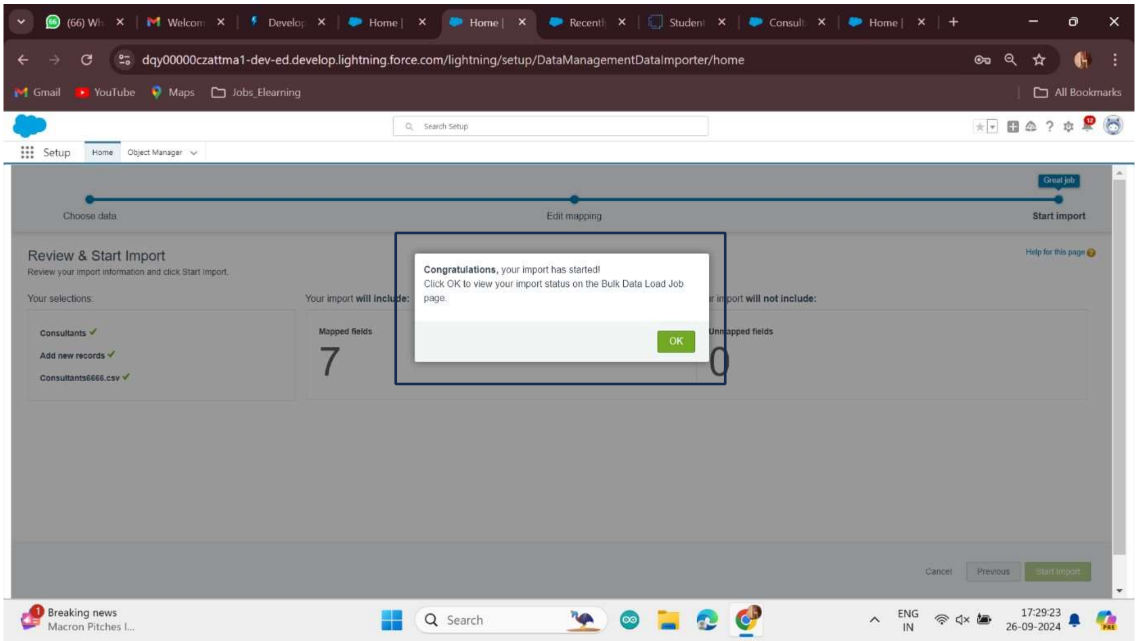
7. Since the field names in the CSV file (CSV Header) are the same as the field names in your object (Mapped Salesforce Object), the fields are automatically mapped. Click Next



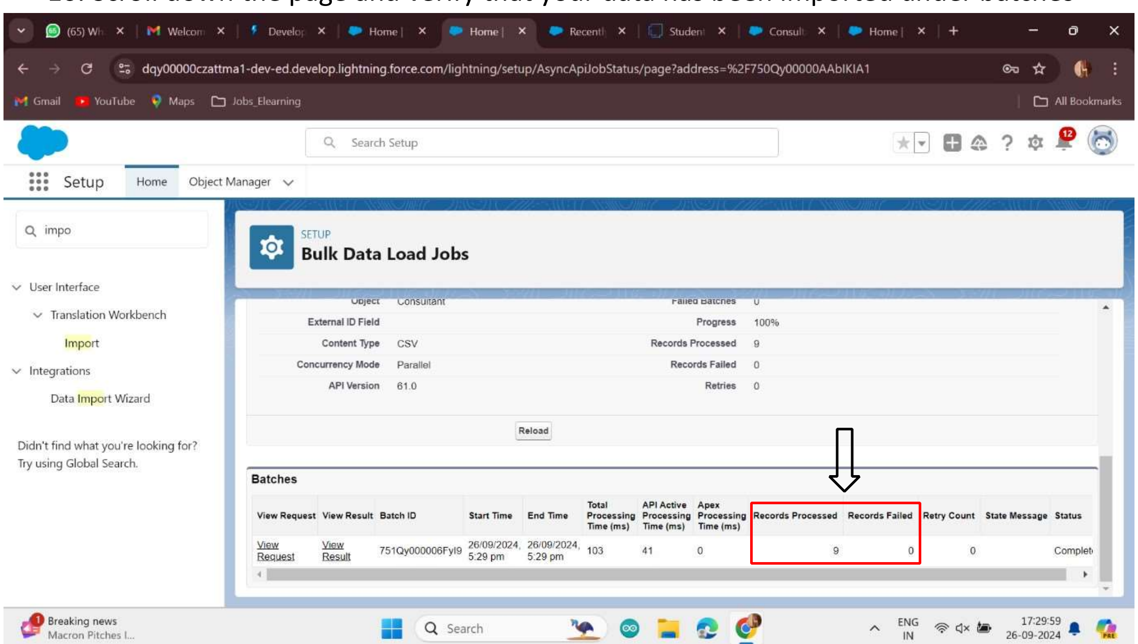
8. The next screen gives you a summary of your data import. Click Start Import.



9. Click OK on the popup



10. Scroll down the page and verify that your data has been imported under batches



Make sure you have 0 records under the records failed column.
Note - Do Field mapping carefully.

11.What are Reports?

Reports:

Reports in Salesforce is a list of records that meet a particular criterion which gives an answer to a particular question. These records are displayed as a table that can be filtered or grouped based on any field.

There are 4 types of report formats in Salesforce:

1. Tabular Reports:
   This is the most basic report format. It just displays the row of records in a table with a grand total. While easy to set up they can't be used to create groups of data or charts and also cannot be used in Dashboards. They are mainly used to generate a simple list or a list with a grand total.
2. Summary Reports:
   It is the most commonly used type of report. It allows grouping of rows of data, view subtotal, and create charts.
3. Matrix Report:
   It is the most complex report format. Matrix report summarizes information in a grid format. It allows records to be grouped by both columns and rows. It can also be used to generate dashboards. Charts can be added to this type of report.
4. Joined Reports:
   These types of reports let us create different views of data from multiple report types. The data is joined reports are organized in blocks. Each block acts as a

subreport with its own fields, columns, sorting, and filtering. They are used to group and show data from multiple report types in different views.

Report types:

Report type determines which set of records will be available in a report. Every report is based on a particular report type. The report type is selected first when we create a report. Every reporttype has a primary object and one or more related objects. All these objects must be linked together either directly or indirectly.

- A report type cannot include more than 4 objects.
- Once a report is created its report type cannot be changed.

There are 2 types of report types:

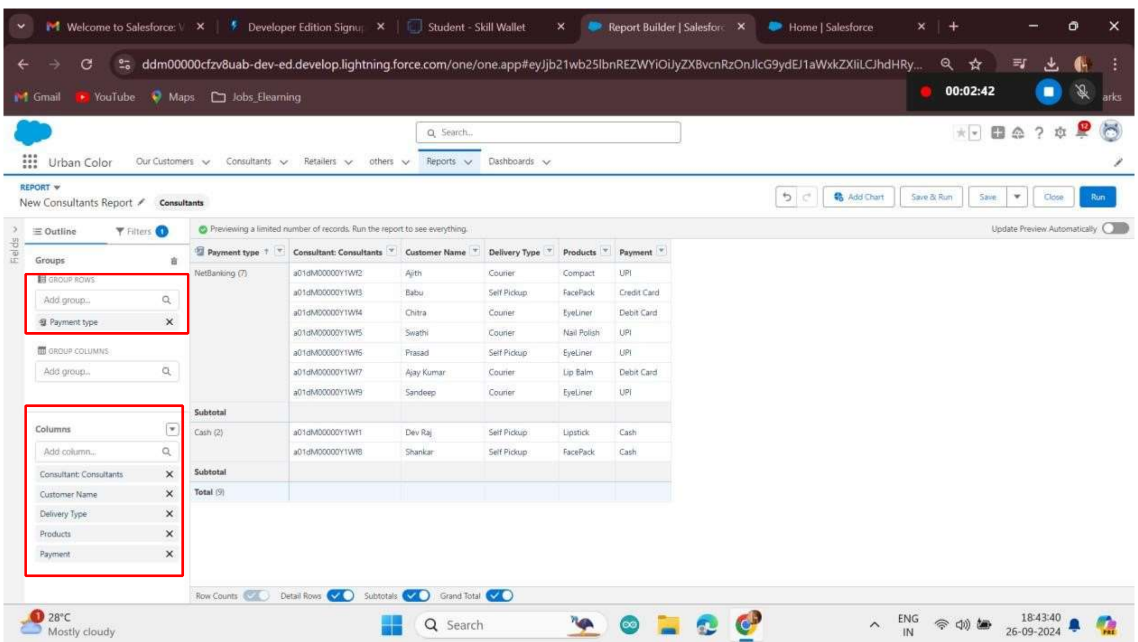
1. Standard Report Types:
   Standard Report Types are automatically included with standard objects and also with custom objects where "Allow Reports" is checked.
   Standard report types cannot be customized and automatically include standard and custom fields for each object within the report type. Standard report types get created when an object is created, also when a relationship is created.
   Note: Standard report types always have inner joins.
2. Custom Report Types:
   Custom report types are reporting templates created to streamline the reporting process. Custom Reports are created by an administrator or User with "Manage
3. Custom Report Types" permission. Custom report types are created when standard report types cannot specify which records will be available on reports.
   In custom report types we can specify objects which will be available in a particular report. The primary object must have a relationship with other objects present in a report type either directly or indirectly.

There are 3 types of access levels of folders:

1. Viewer:
   With this access level, users can see the data in a report but cannot make any changes except cloning it into a new report.
2. Editor:
   With this access level, users can view and modify the reports it contains and can also move them to/from any other folders they have access level as Editor or Manager. 3. Manager:
   With this access level, users can do everything Viewers & Editors can do, plus they can also control other user's access levels to this folder. Also, users with Manager Access levels can delete the report.

11.1.Create Report

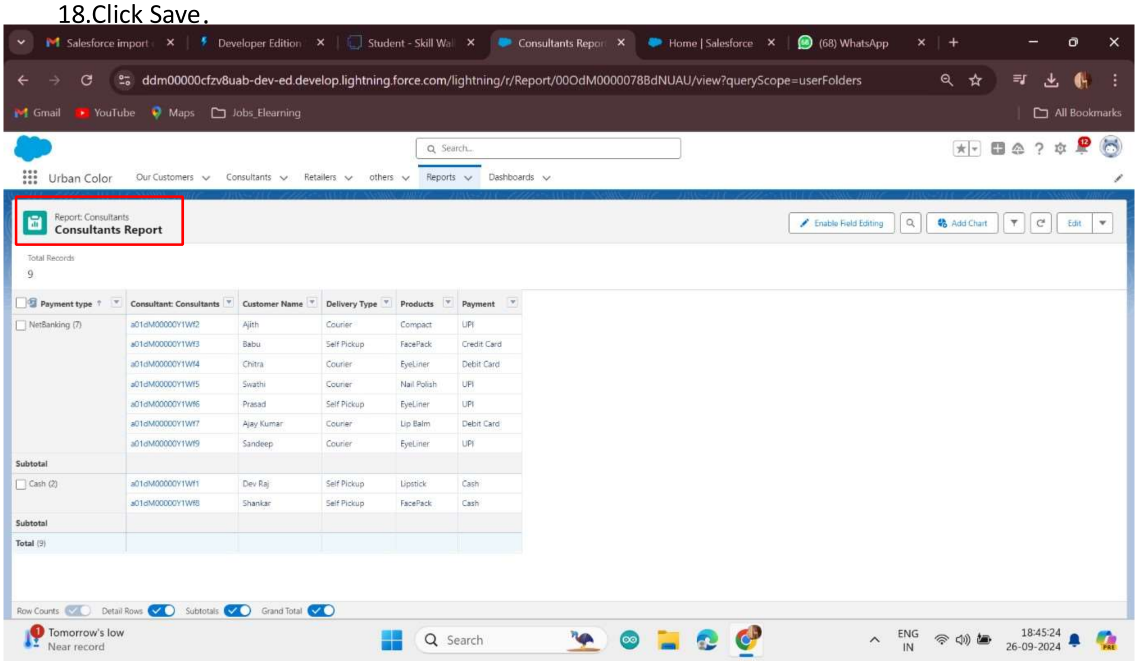
1.Click App Launcher
2.Select Urban Color App
3.Click reports tab
4.Click New Report.
5.Click the report type as Consultants Click Start report.
6.Customize your report, in Columns select – Consultant Name, Delivery type, Products, Payment.
7.Click on the drop down option on the payment column and select Bucket this column.
8.Bucket Name as Payment type
9.Click on Add Bucket and name it as NetBanking
10.Click on Add Bucket and name it as Cash
11.Now Click on All Values and select Credit Card, Debit Card, UPI and Move to Net Banking.
12.Now Click on All Values again and select Cash and Move to Cash.
13.Click on Apply.



14.In Group Rows Add Payment Type Bucket Field.
15.Click refresh
16.Click Save and Run

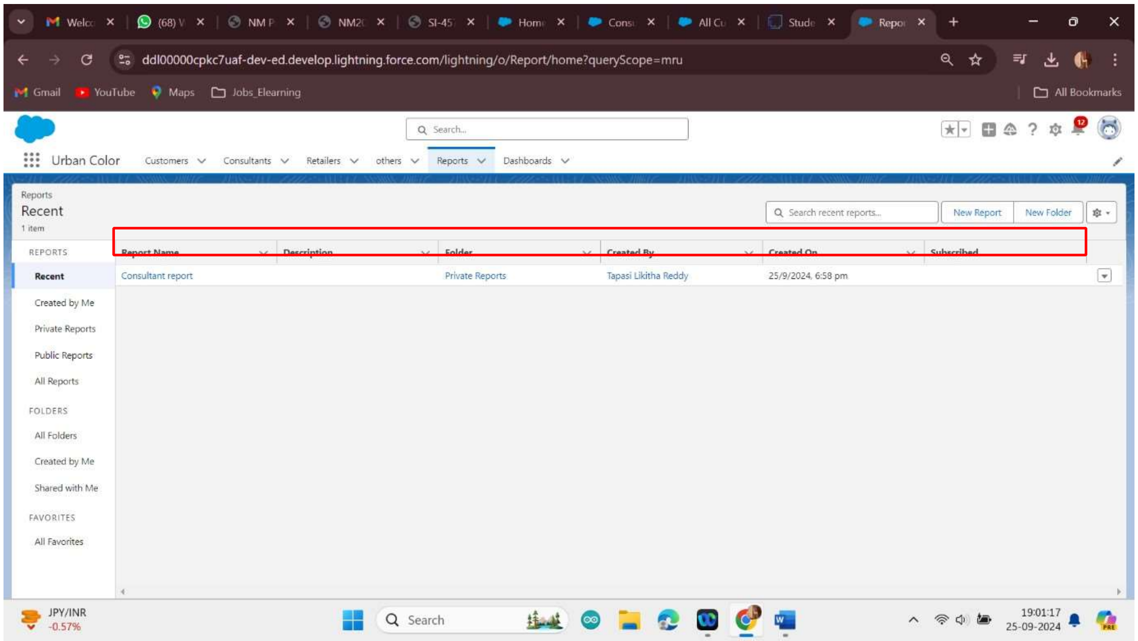
17.Give report name – Consultant report

18.Click Save.



11.2.View Report

1. Click on App Launcher on the left side of the screen.
2. Search Urban Color App & click on it.
3. Click on Reports Tab.
4. Click on Urban Color Report and see records

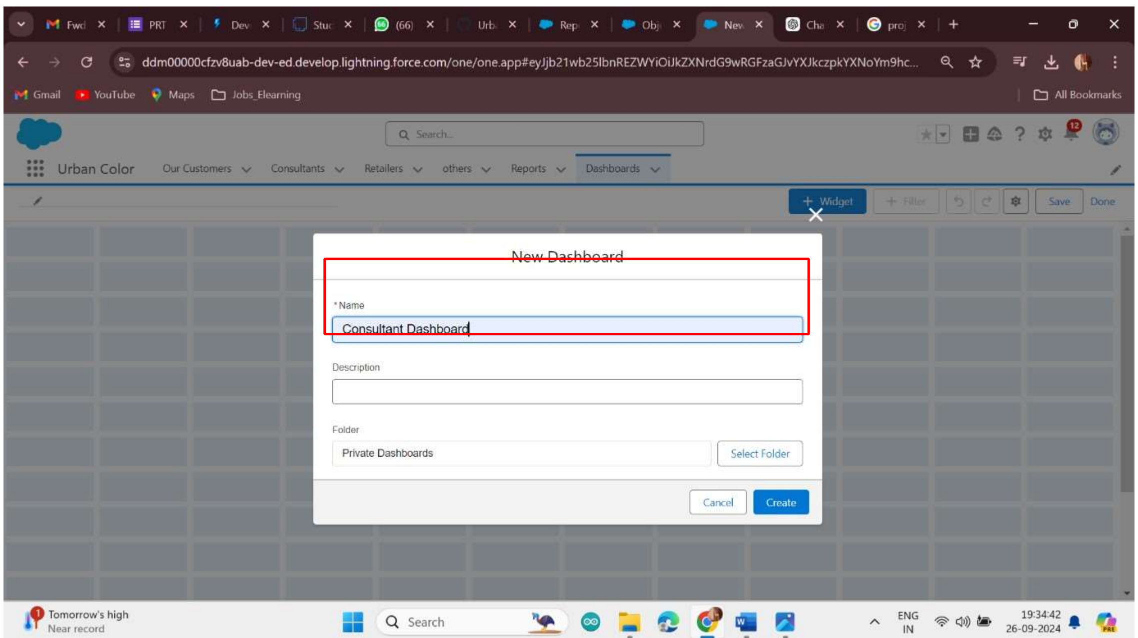


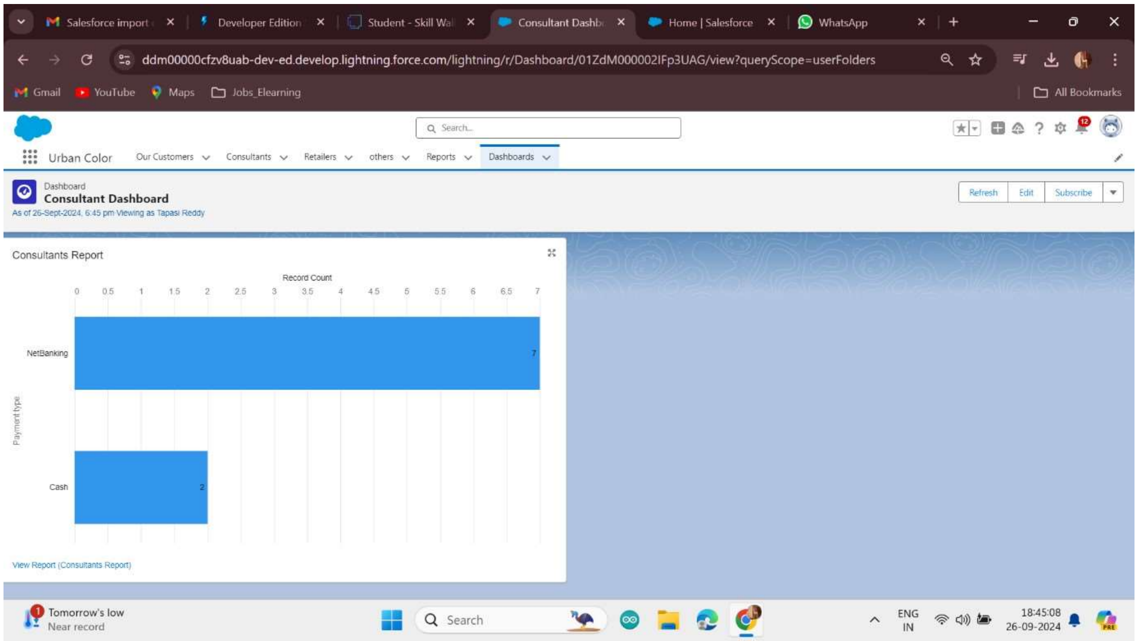
<u>12.Dashboards</u>

Dashboards let you curate data from reports using charts, tables, and metrics. If your colleagues need more information, then they're able to view your dashboard's data supplying reports. Dashboard filters make it easy for users to apply different data perspectives to a single dashboard.

12.1.Create Dashboard

1. Click on the Dashboards tab from the Urban Color application.
2. Click on the new dashboard.
3. Give name- Consultant Dashboard
4. Click create
5. Give your dashboard a name and click on +component
6. Select the Consultants Report which you created.
7. For the data visualization select any of the chart, table etc. as per your choice/requirement.
8. Click add.
9. Click save.
10. Click save.





12.2.View Dashboard

1. Click on App Launcher on the left side of the screen.
2. Search Candidate Internal Result Card & click on it.
3. Click on Dashboard Tab.
4. Click on Candidate Internal Result Card see graph view of records