Project Report Template

1. Introduction

1.1 Overview

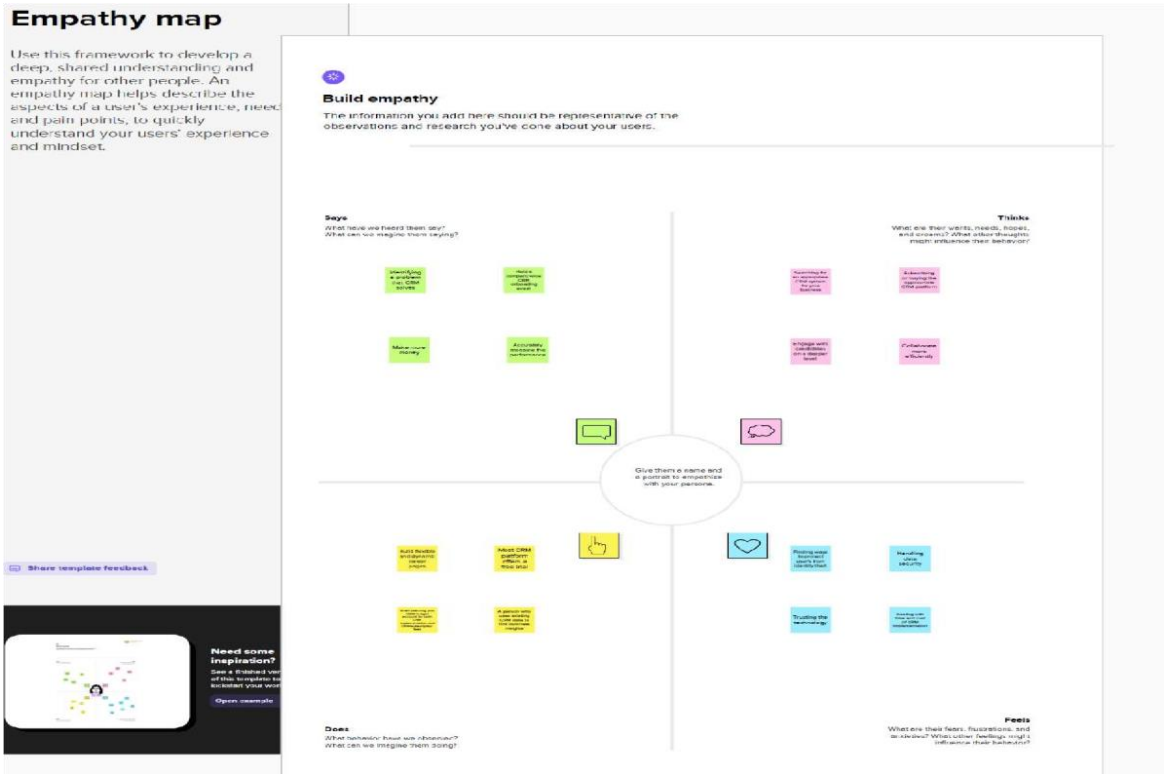
As a learner we should be able to create all base data including semester, candidate, course details and Lecturer details. Lecture should have the ability to create internal results.

1.2 Purpose:

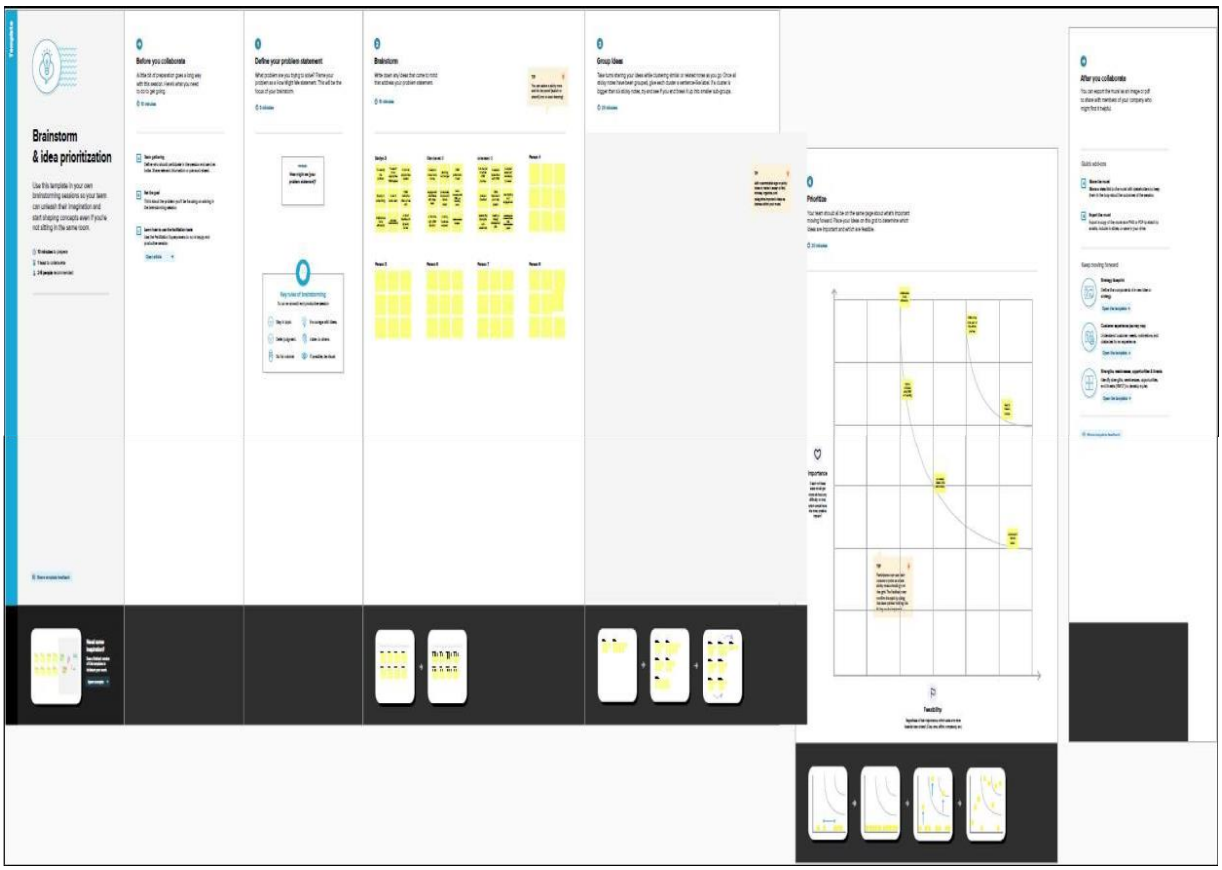
Implementing CRM for the result tracking of a candidate with internal marks.

2. Problem Definition & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming



3.Result:

3.1 Data Model:

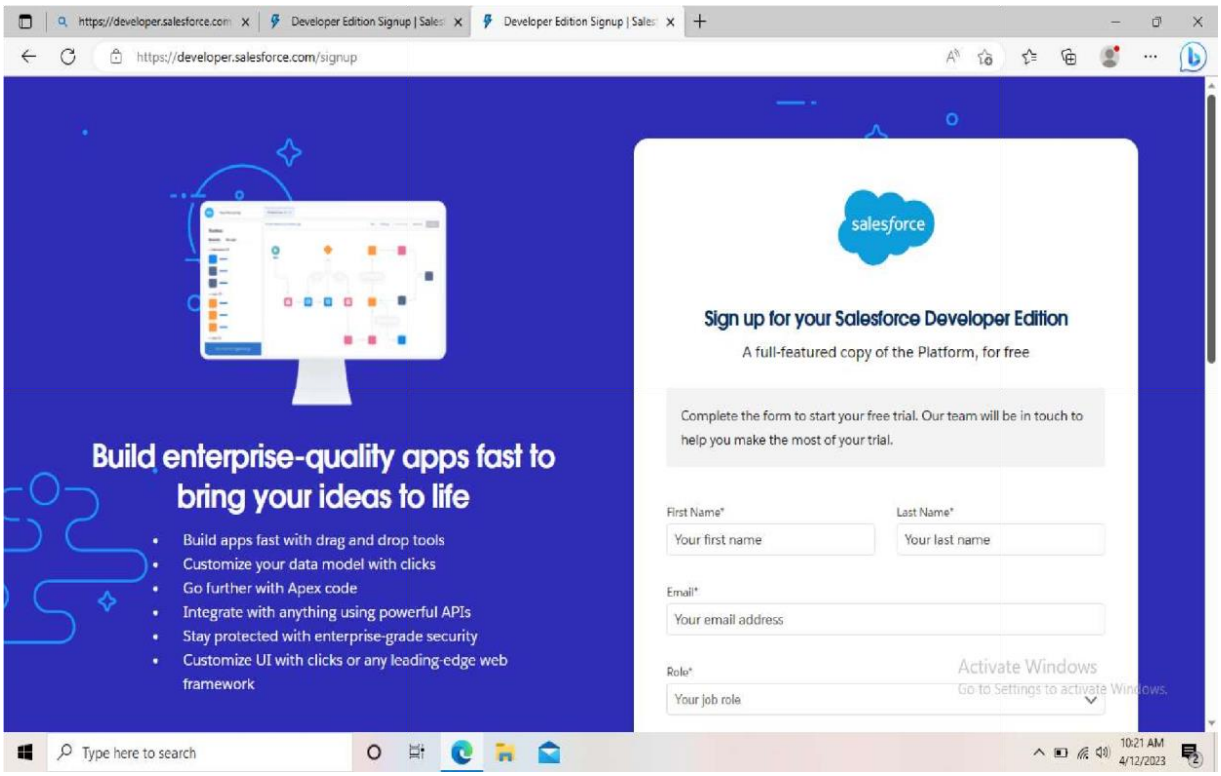
Object Name	Fields in the object	
Semester	Field Lable	Data Type
	Semester Name	Text
	Course	Text
Candidate	Field Lable	Data Type
	Candidate Name	Text
	Candidate ID	Text
	Semester Name	Text

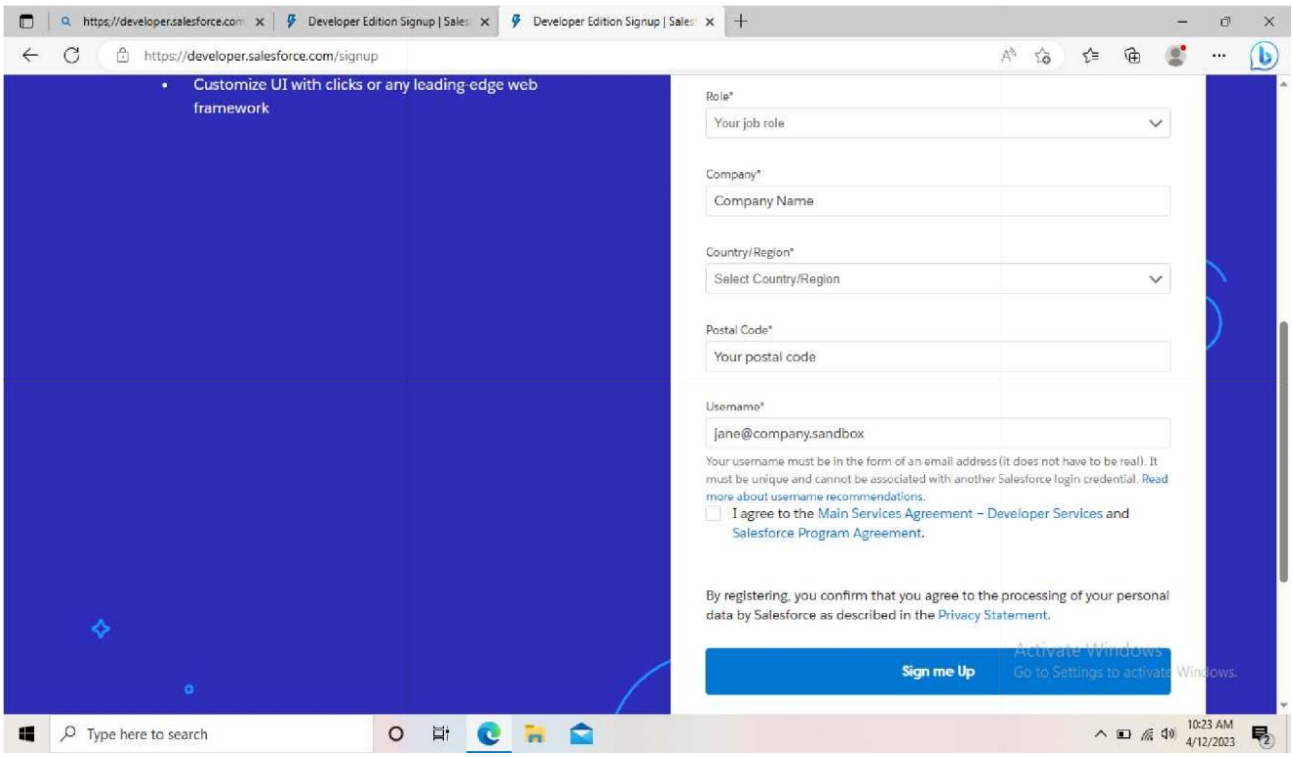
	Internal Results	Text
Course Details	Field Lable	Data Type
	Course Name	Text
	Course ID	Text
Lecturer Details	Field Lable	Data Type
	Lecturer Role	Text
	Lecturer Name	Text
	Course ID	Text
	Course	Text
Internal Results	Field Lable	Data Type
	Candidate ID	Text
	Course ID	Text
	Marks	Text

3.2 Activity & Screenshot:

Activity 1:

Creating Developer org in salesforce.





1. Go to developers. Salesforce.com/

2. Click on sign up.
3. On the signup form, enter the following details:
    a. First name & Last name
    b. Email.
    c. Company: Government Arts and Science College, Tittagudi.
    d. Country: India
    e. Postal code: 606 106
    f. User name : is the combination of name and company (This need not be an actual email id)
    g. Goto inbox of our email – click verify account to activate the salesforce developer account.

How to login to the salesforce account:
Go to salesforce.com and click on login
Enter the username and password that you just created
After login the Home page will be display
Salesforce Login: https://login.salesforce.com

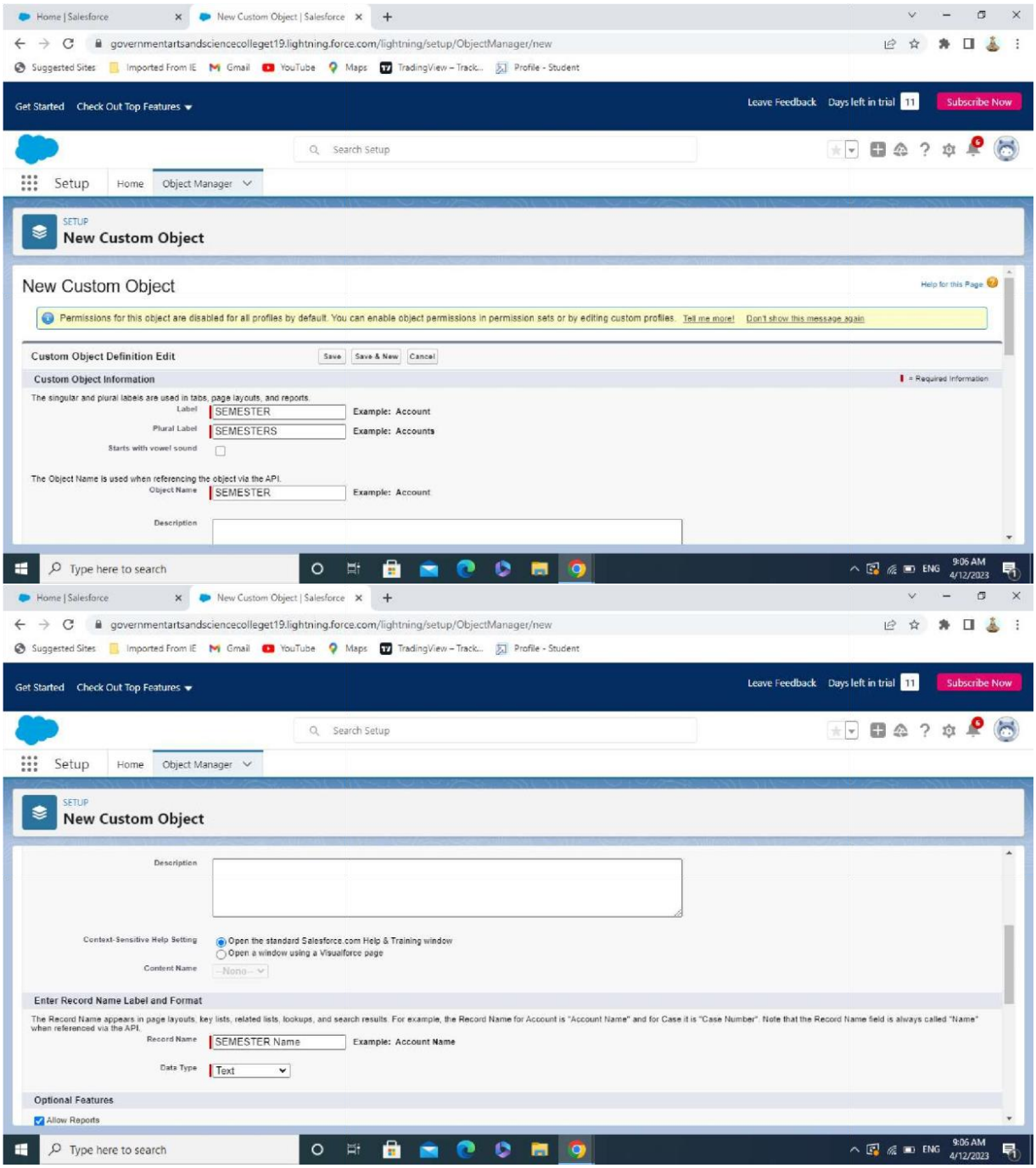
Activity 1:

Salesforce objects are two types:

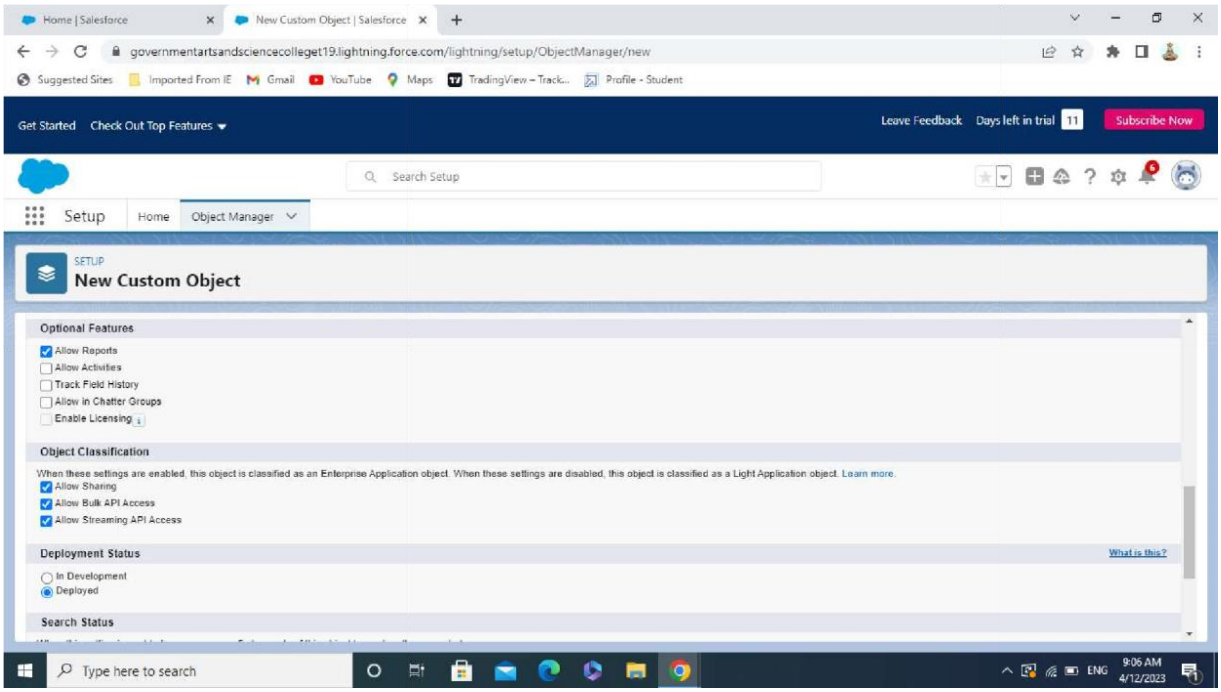
- Standard objects
- Custom objects

To create an object:

Creation of objects for Candidate Internal Result Card, For this app we need to create 5 object, there are (Semester, Candidate, Course details, Lecturer Details and Internal results).


Home | Salesforce
New Custom Object | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/lightning/setup/ObjectManager/new
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial 11
Subscribe Now
Search Setup
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
SEMESTER
Example: Account
Plural Label
SEMESTERS
Example: Accounts
Starts with vowel sound
The Object Name is used when referencing the object via the API.
Object Name
SEMESTER
Example: Account
Description
Type here to search
ENG
9:06 AM
4/12/2023

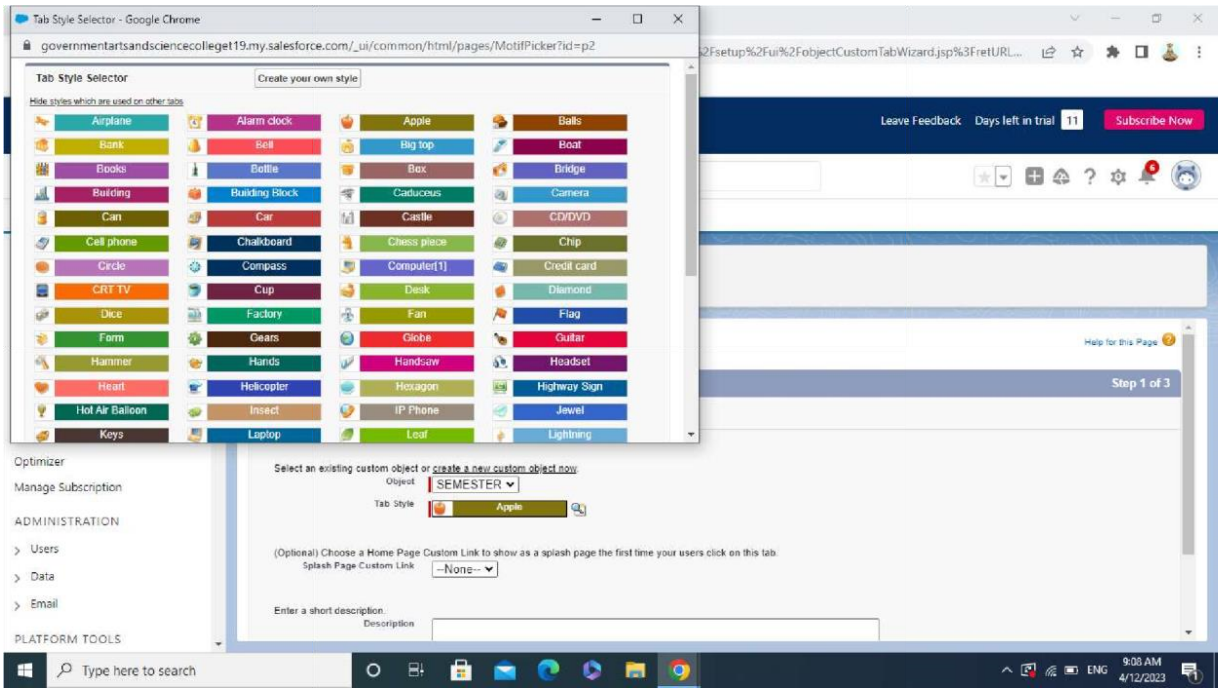
Home | Salesforce
New Custom Object | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/lightning/setup/ObjectManager/new
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial 11
Subscribe Now
Search Setup
Setup
Home
Object Manager
SETUP
New Custom Object
Description
Context-Sensitive Help Setting
Open the standard Salesforce.com Help & Training window
Open a window using a Visualforce page
Content Name
--None--
Enter Record Name Label and Format
The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.
Record Name
SEMESTER Name
Example: Account Name
Data Type
Text
Optional Features
Allow Reports
Type here to search
ENG
9:06 AM
4/12/2023

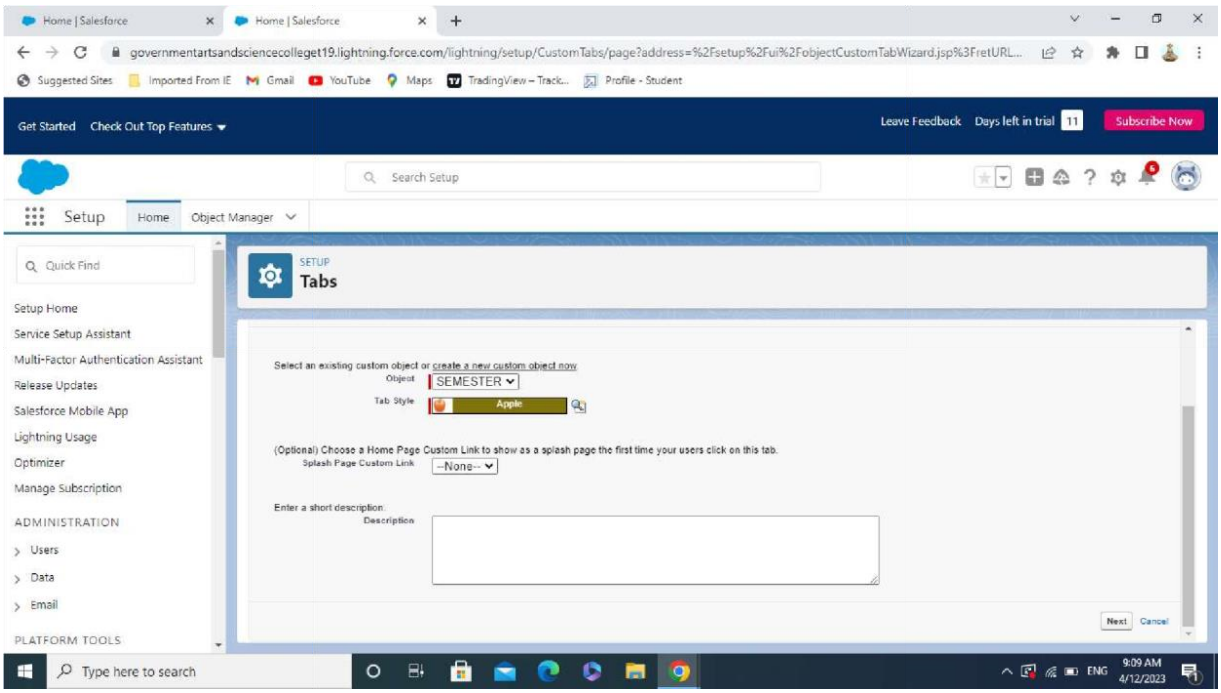


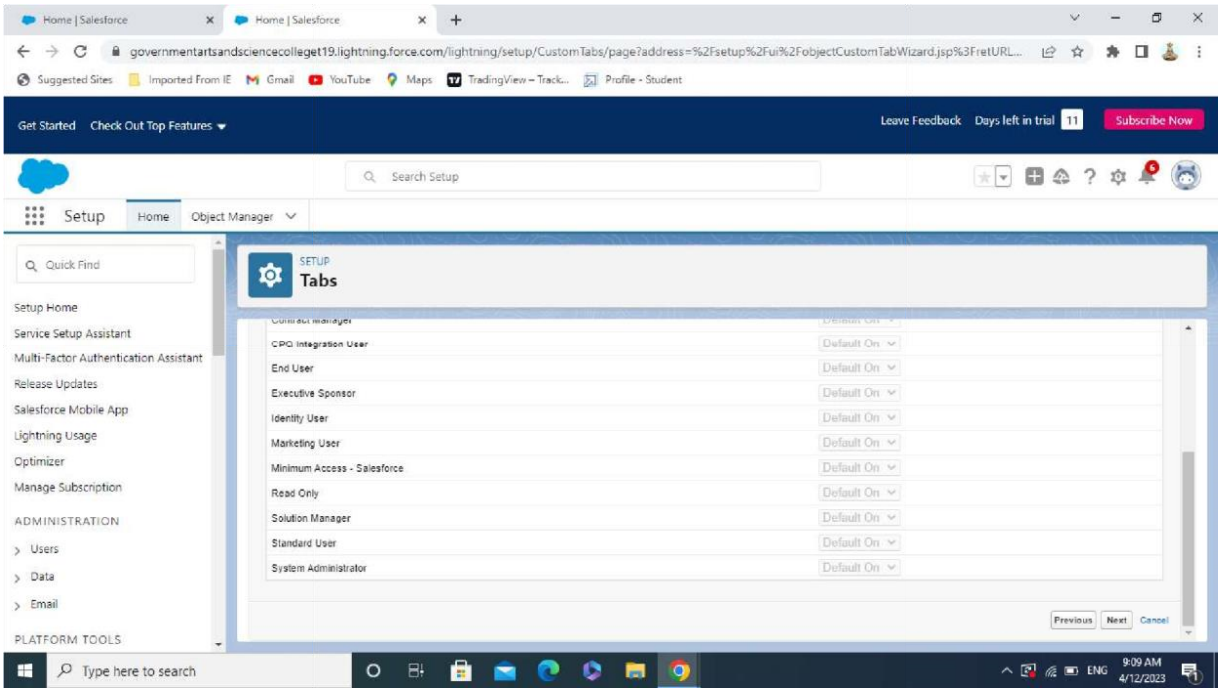
The following steps can be used for object creation.

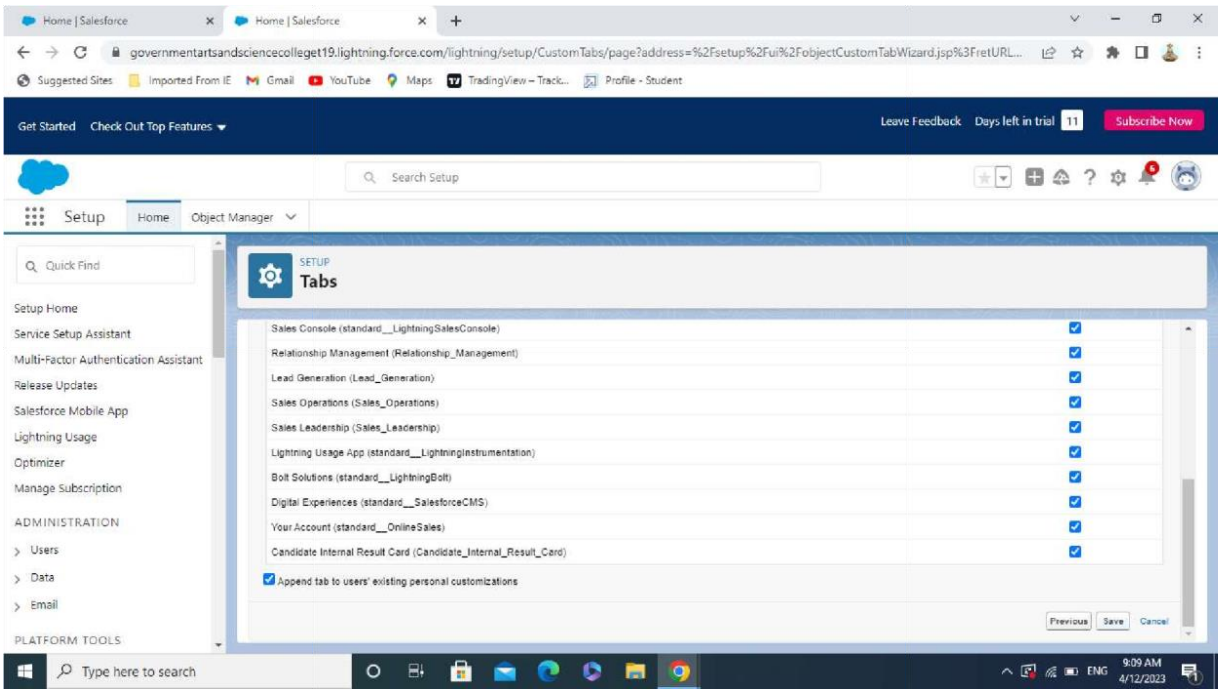
- Click on the gear icon and then select setup.
- Click on the object manager tab.
- Click create and select custom object.
- On the custom object page
- Lable: type Semester
- Plural Lable: Semesters
- Record Name: Semester Name
- Check the Allow Reports checkbox
- Check the Allow Search checkbox Click save

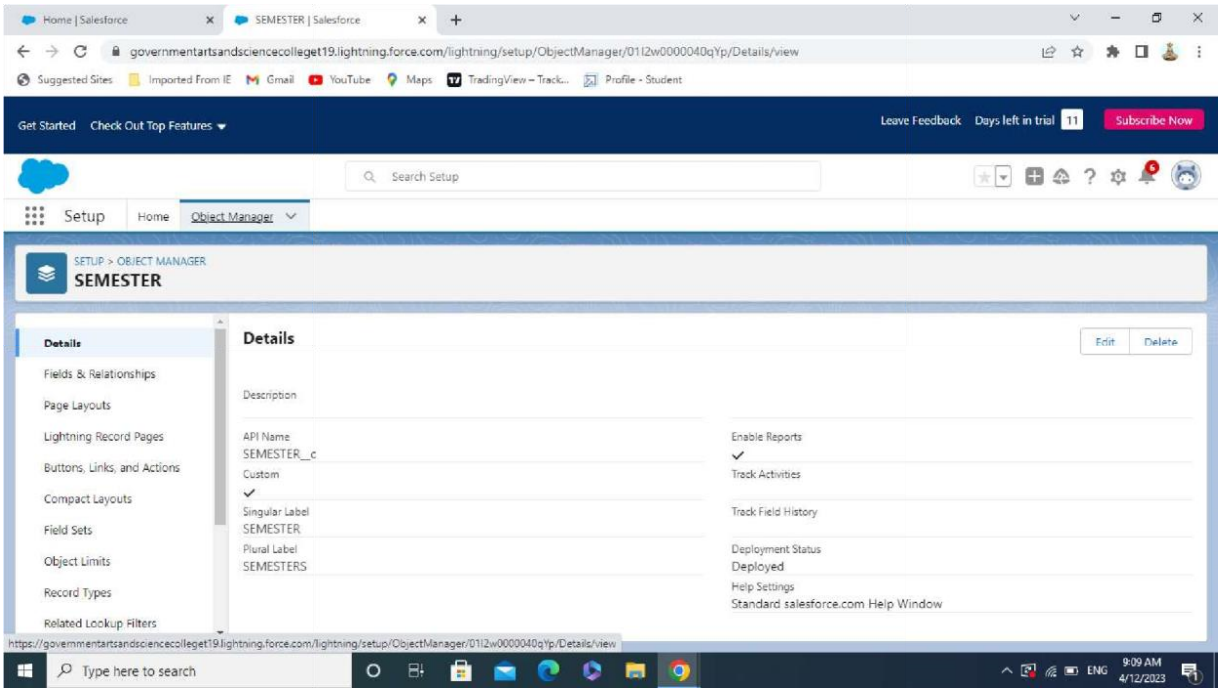
Next we have created a Custom Tab


Tab Style Selector - Google Chrome
governmentartsandsciencecolleget19.my.salesforce.com/_ui/common/html/pages/MotifPicker?id=p2
Tab Style Selector
Create your own style
Hide styles which are used on other tabs
Airplane
Alarm clock
Apple
Balls
Bank
Bell
Big top
Boat
Books
Bottle
Box
Bridge
Building
Building Block
Caduceus
Camera
Can
Car
Castle
CD/DVD
Cell phone
Chalkboard
Chess piece
Chip
Circle
Compass
Computer[1]
Credit card
CRT TV
Cup
Desk
Diamond
Dice
Factory
Fan
Flag
Form
Gears
Globe
Guitar
Hammer
Hands
Handsaw
Headset
Heart
Helicopter
Hexagon
Highway Sign
Hot Air Balloon
Insect
IP Phone
Jewel
Keys
Laptop
Leaf
Lightning
Leave Feedback
Days left in trial
11
Subscribe Now
Help for this Page
Step 1 of 3
Optimizer
Manage Subscription
ADMINISTRATION
Users
Data
Email
PLATFORM TOOLS
Select an existing custom object or create a new custom object now
Object
SEMESTER
Tab Style
Apple
(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.
Splash Page Custom Link
--None--
Enter a short description.
Description
Type here to search
ENG
9:08 AM
4/12/2023


Home | Salesforce
Home | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/lightning/setup/CustomTabs/page?address=%2fsetup%2Fui%2FobjectCustomTabWizard.jsp%3FretURL...
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial
11
Subscribe Now
Search Setup
Setup
Home
Object Manager
Quick Find
Setup Home
Service Setup Assistant
Multi-Factor Authentication Assistant
Release Updates
Salesforce Mobile App
Lightning Usage
Optimizer
Manage Subscription
ADMINISTRATION
Users
Data
Email
PLATFORM TOOLS
SETUP
Tabs
Select an existing custom object or create a new custom object now
Object
SEMESTER
Tab Style
Apple
(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.
Splash Page Custom Link
--None--
Enter a short description.
Description
Next
Cancel
Type here to search
ENG
9:09 AM
4/12/2023


Home | Salesforce
Home | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/lightning/setup/CustomTabs/page?address=%2Fsetup%2Fui%2FobjectCustomTabWizard.jsp%3FretURL...
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial 11
Subscribe Now
Search Setup
Setup
Home
Object Manager
Quick Find
Setup Home
Service Setup Assistant
Multi-Factor Authentication Assistant
Release Updates
Salesforce Mobile App
Lightning Usage
Optimizer
Manage Subscription
ADMINISTRATION
Users
Data
Email
PLATFORM TOOLS
SETUP
Tabs
CPQ Integration User
End User
Executive Sponsor
Identity User
Marketing User
Minimum Access - Salesforce
Read Only
Solution Manager
Standard User
System Administrator
Default On
Previous
Next
Cancel
Type here to search
ENG
9:09 AM
4/12/2023


Home | Salesforce
Home | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/lightning/setup/CustomTabs/page?address=%2Fsetup%2Fui%2FobjectCustomTabWizard.jsp%3FretURL...
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial 11
Subscribe Now
Search Setup
Setup
Home
Object Manager
Quick Find
Setup Home
Service Setup Assistant
Multi-Factor Authentication Assistant
Release Updates
Salesforce Mobile App
Lightning Usage
Optimizer
Manage Subscription
ADMINISTRATION
Users
Data
Email
PLATFORM TOOLS
SETUP
Tabs
Sales Console (standard__LightningSalesConsole)
Relationship Management (Relationship_Management)
Lead Generation (Lead_Generation)
Sales Operations (Sales_Operations)
Sales Leadership (Sales_Leadership)
Lightning Usage App (standard__LightningInstrumentation)
Bolt Solutions (standard__LightningBolt)
Digital Experiences (standard__SalesforceCMS)
Your Account (standard__OnlineSales)
Candidate Internal Result Card (Candidate_Internal_Result_Card)
Append tab to users' existing personal customizations
Previous
Save
Cancel
Type here to search
ENG
9:09 AM
4/12/2023



- Click the Home tab, type tabs in quick find and select Tabs Under Custom Object Tabs, Click New.
- For Object, select Semester.
- For Tab Style, select any icon
- Leave all defaults as is. Click Next, Next and Save.

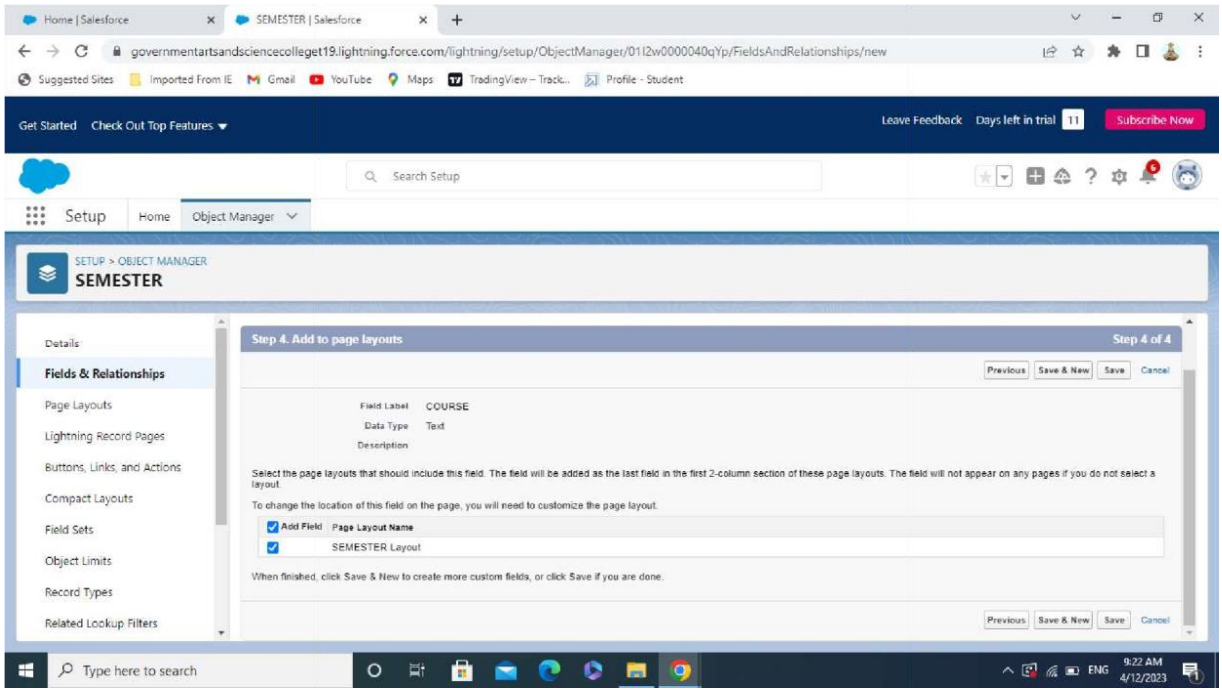
Activity 2:

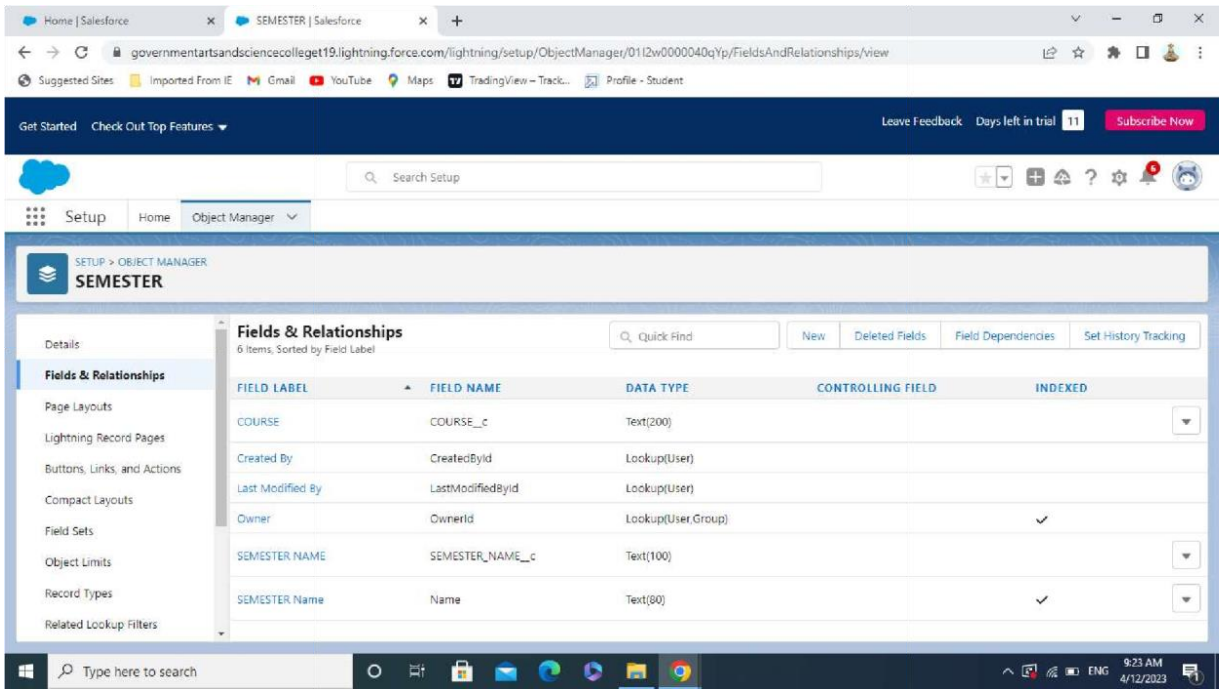
Similarly we have created all other Objects (Candidate, Course Details, Lecturer Details and Internal Results).

Fields & Relationship:

Activity 1:

Creation of fields:





- Click the gear icon and select setup
- Click on object manager
- Type object name as Semester in search bar
- Click on the Semester object
- Click on Fields & Relationships

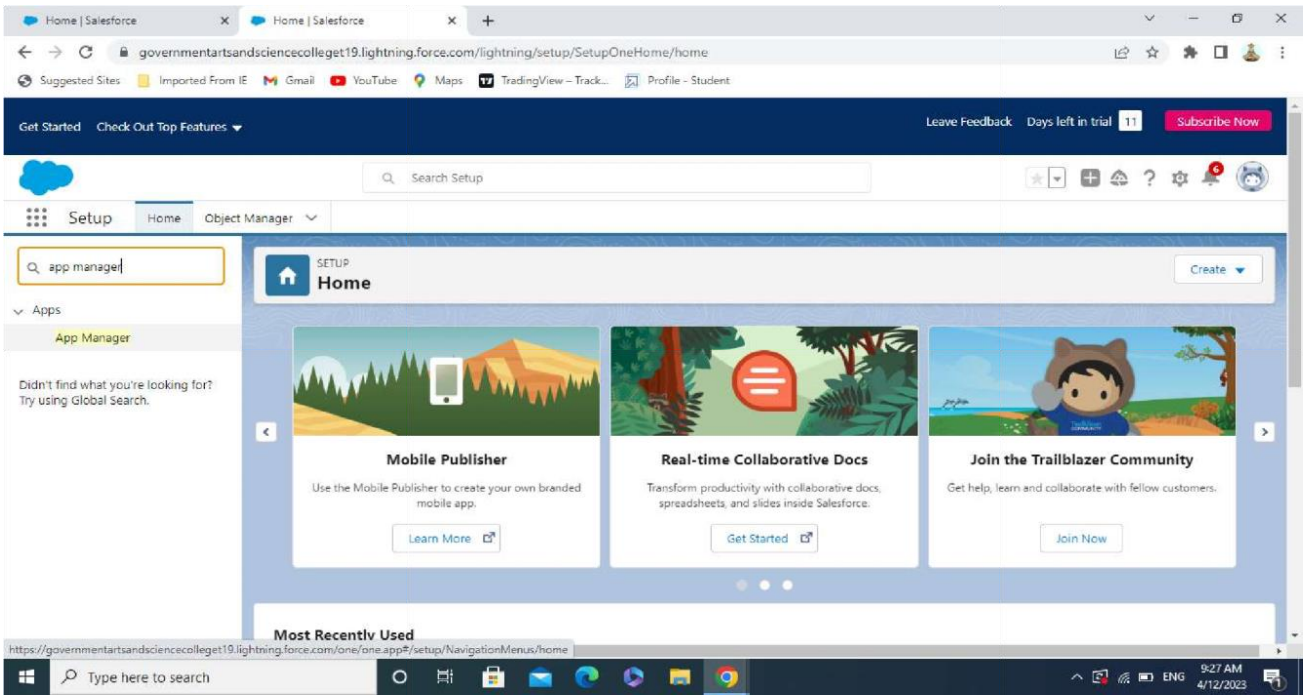
- Click New
- Type the Field Name as Semester Name Go to Next, Next and Save.

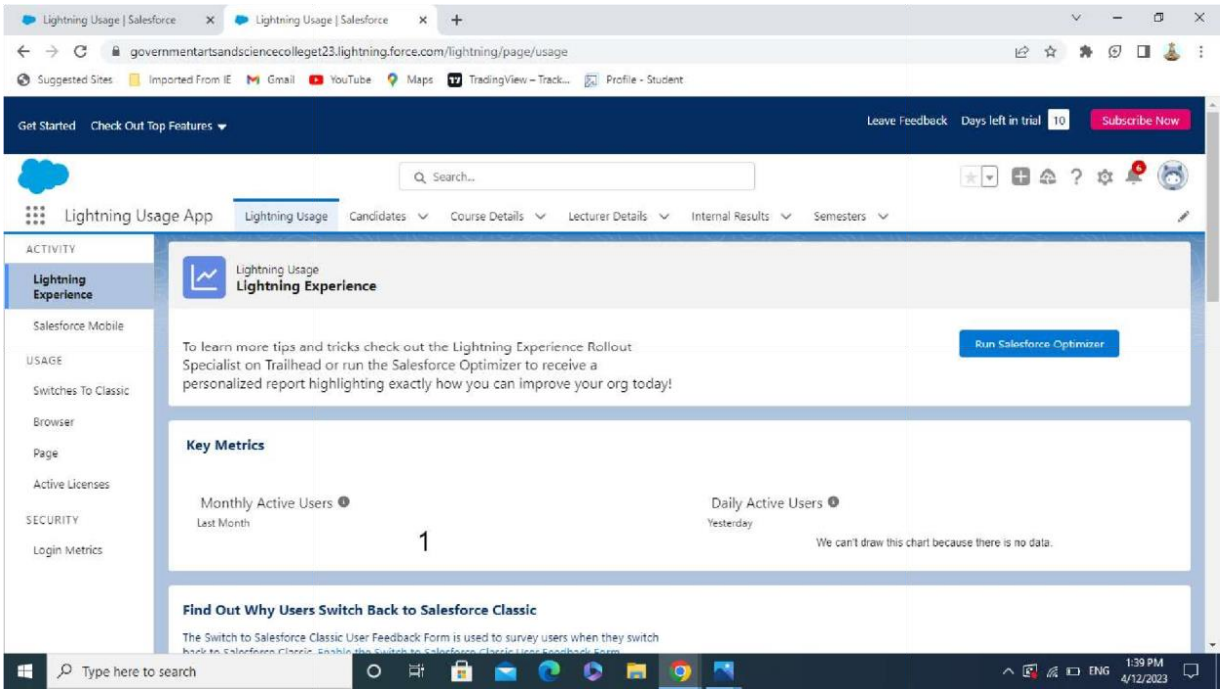
Activity 2:

Similarly we have created the following Fields according to the objects.

Semester	Candidate	Course Details	Lecturer Details	Internal Results
Semester Name	Candidate Name	Course Name	Lecturer Role	Candidate ID
Course	Candidate ID	Course ID	Lecturer Name	Course ID
	Semester Name		Course ID	Marks
	Internal Results		Course	

Lighting App Creation:
Activity 1:
Create the Candidate Internal Result Card App:





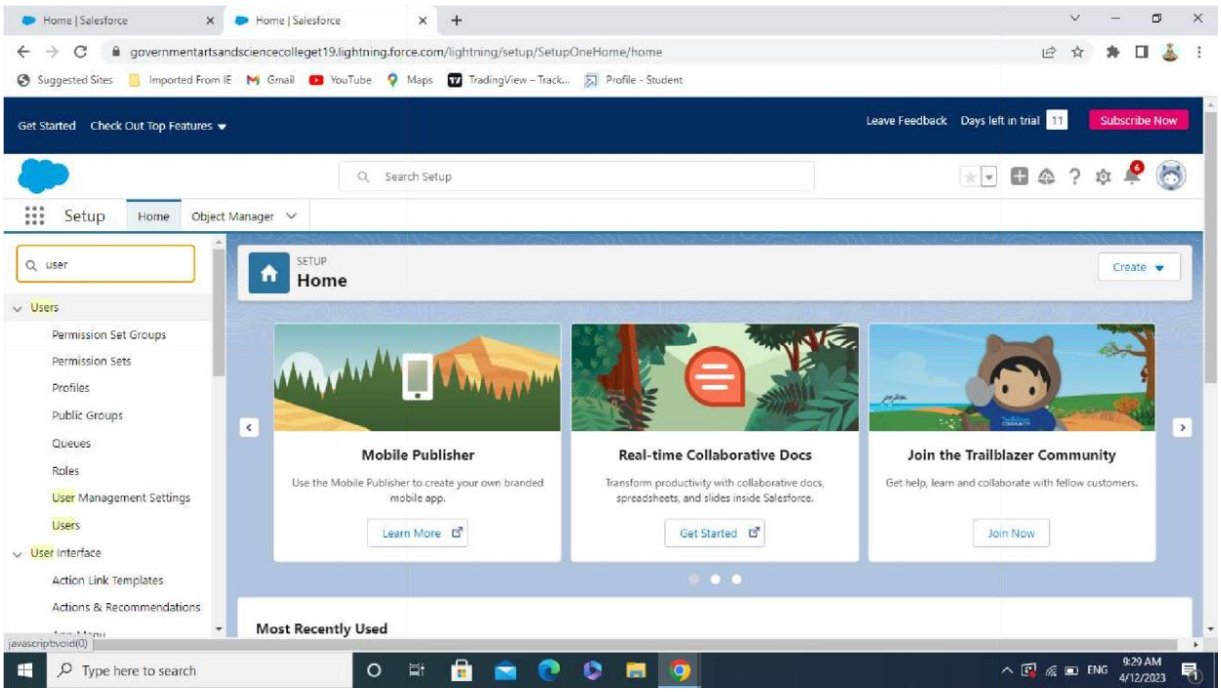
- Go to Setup, type App Manager in the Quick Find and select App Manager.
- Click New Lightning App. Type Candidate Internal Result Card as the App Name and then click Next
- Under App options, leave the default selections and click Next
- Under Utility items, leave as is and click Next

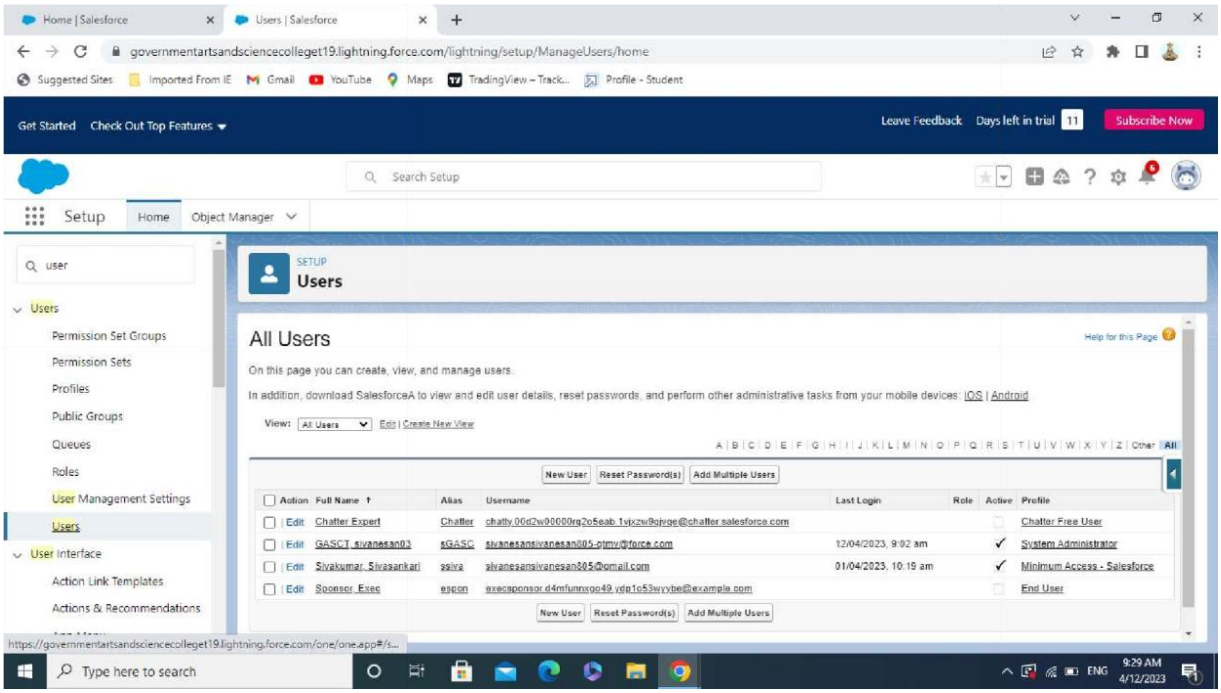
- From Available items, select Semester, Candidate, Course Details, Lecturer Details, Internal Results and move them to Selected Items. Click Next.
- From available Profiles, select System Administrator and move it to Selected Profiles. Click Save & Finish.
- To verify the changes go to App launcher, type Candidate Internal Result Card and select the Candidate Internal Result Card app.

Users:

Activity 1:

Creating a Users:

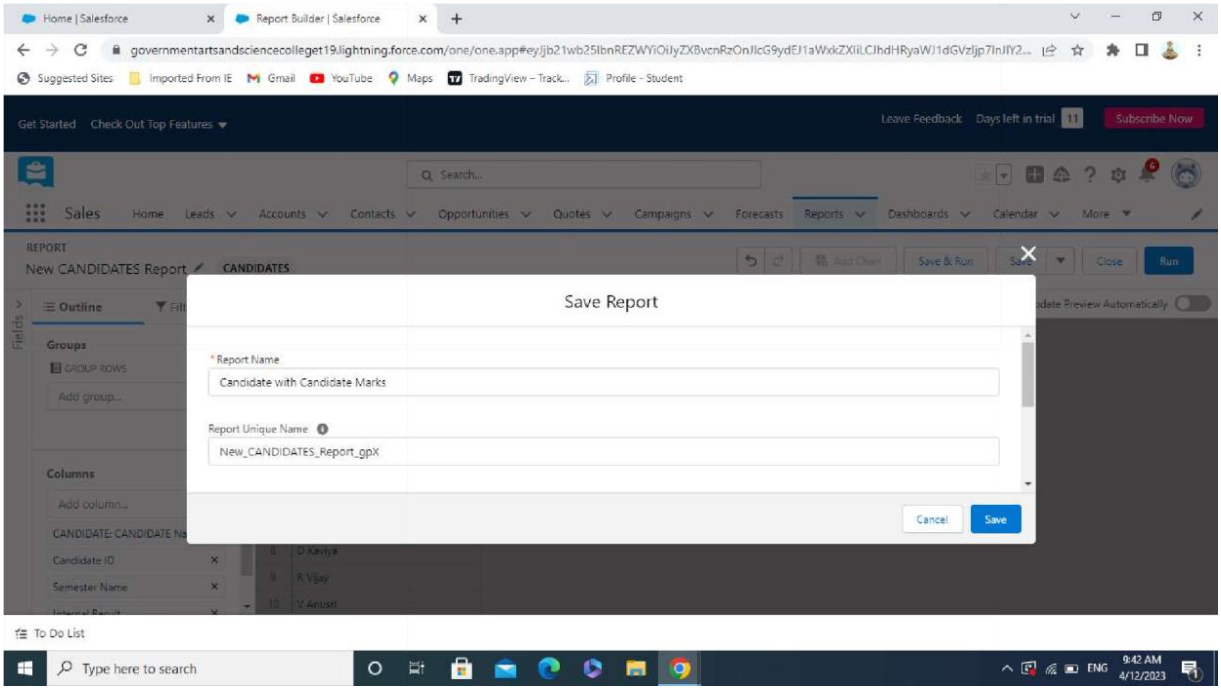


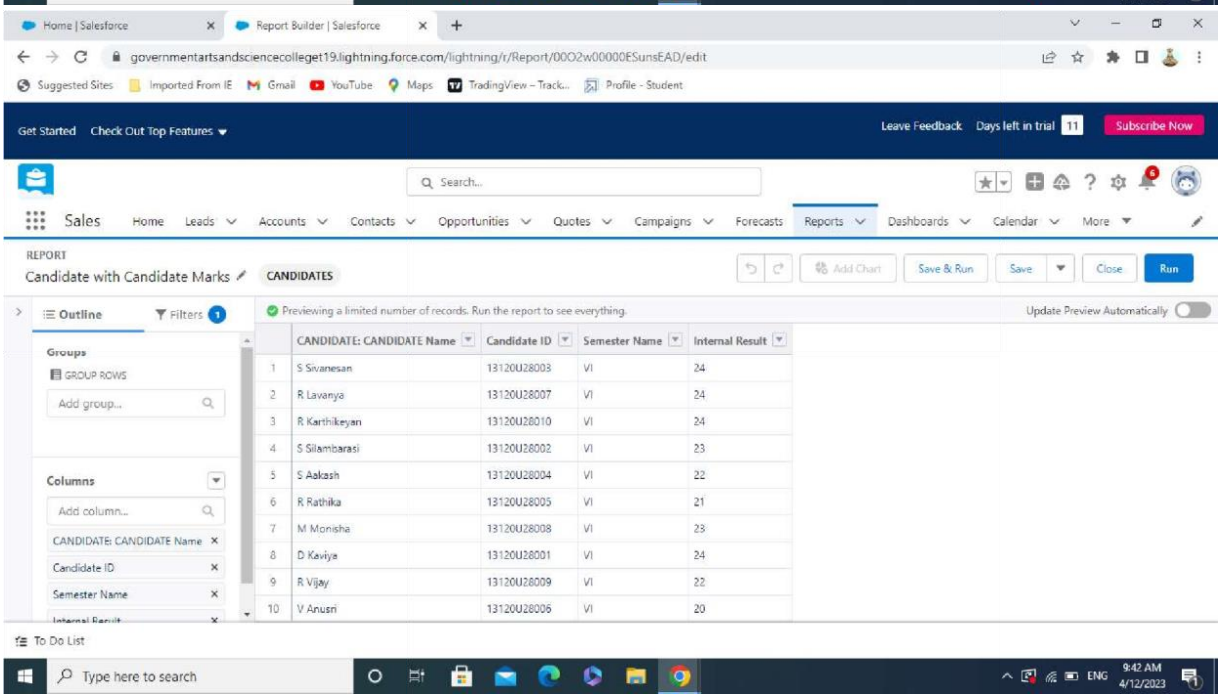


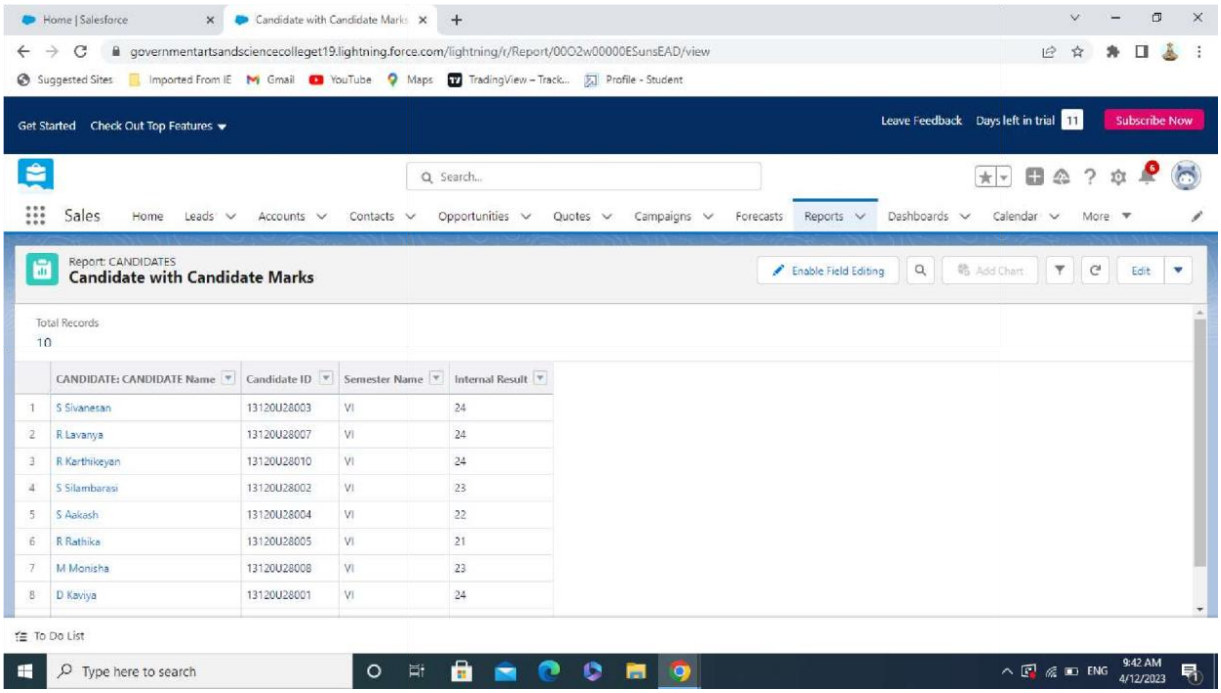
- From Setup, in the Quick Find box, type Users and then select Users.
- Click New User
- Enter User's Name and email address and unique username in the form of an email address.
- Select a Role (none)
- Select a User Licence as salesforce Select a profile as salesforce User.
- Generate new password and notify the user immediately to have the user's login name and a temporary password mailed to our email.

Reports:

Activity 1:
Reports & Dashboards:


Home | Salesforce
Report Builder | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/one/one.app#eyJjb21wb25lbnREZWYiOiJyZXBvcnRzOnJlcG9ydEJ1aWxkZXIiLCJhdHRyaWJ1dGVzIjp7InJlY2...
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial
11
Subscribe Now
Search...
Sales
Home
Leads
Accounts
Contacts
Opportunities
Quotes
Campaigns
Forecasts
Reports
Dashboards
Calendar
More
REPORT
New CANDIDATES Report
CANDIDATES
Add Chart
Save & Run
Close
Run
Save Report
* Report Name
Candidate with Candidate Marks
Report Unique Name
New_CANDIDATES_Report_gpX
Cancel
Save
Outline
Groups
GROUP ROWS
Add group...
Columns
Add column...
Candidate ID
Semester Name
To Do List
Type here to search
ENG
9:42 AM
4/12/2023


Home | Salesforce
Report Builder | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/lightning/r/Report/00O2w00000ESunsEAD/edit
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial
11
Subscribe Now
Search...
Sales
Home
Leads
Accounts
Contacts
Opportunities
Quotes
Campaigns
Forecasts
Reports
Dashboards
Calendar
More
REPORT
Candidate with Candidate Marks
CANDIDATES
Add Chart
Save & Run
Save
Close
Run
Outline
Filters 1
Previewing a limited number of records. Run the report to see everything.
Update Preview Automatically
Groups
GROUP ROWS
Add group...
Columns
Add column...
CANDIDATE: CANDIDATE Name
Candidate ID
Semester Name
CANDIDATE: CANDIDATE Name | Candidate ID | Semester Name | Internal Result
1 S Sivanesan 13120U28003 VI 24
2 R Lavanya 13120U28007 VI 24
3 R Karthikeyan 13120U28010 VI 24
4 S Silambarasi 13120U28002 VI 23
5 S Aakash 13120U28004 VI 22
6 R Rathika 13120U28005 VI 21
7 M Monisha 13120U28008 VI 23
8 D Kaviya 13120U28001 VI 24
9 R Vijay 13120U28009 VI 22
10 V Anusri 13120U28006 VI 20
To Do List
Type here to search
ENG
9:42 AM
4/12/2023

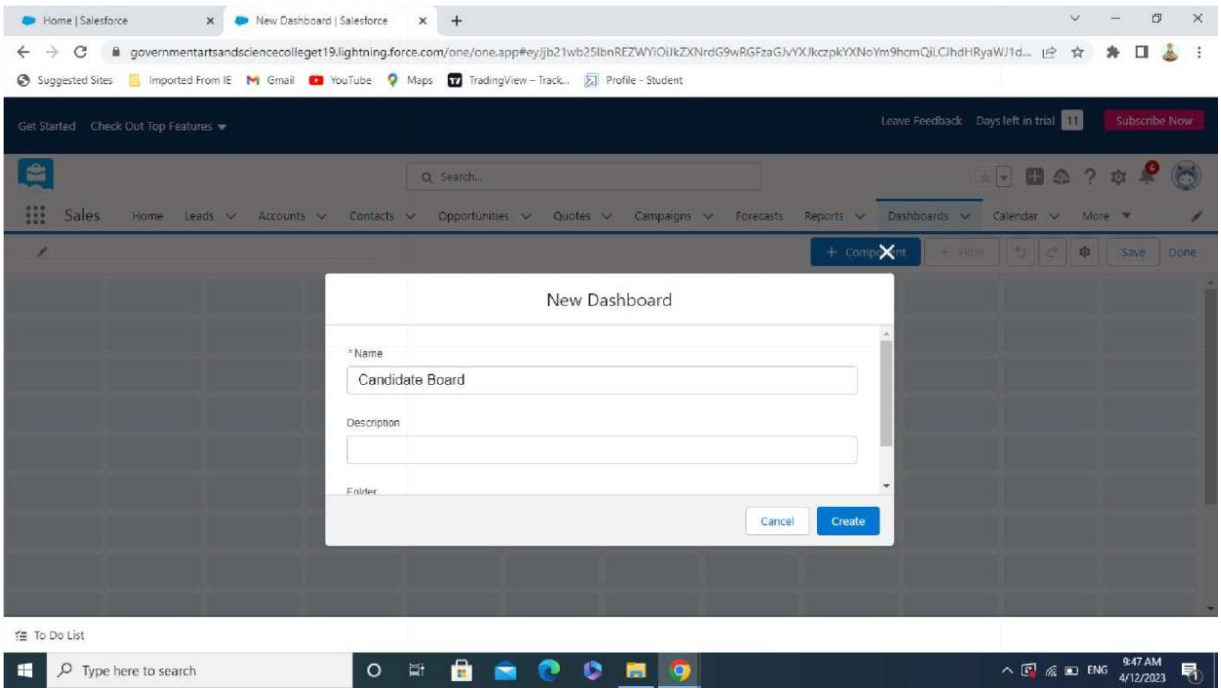


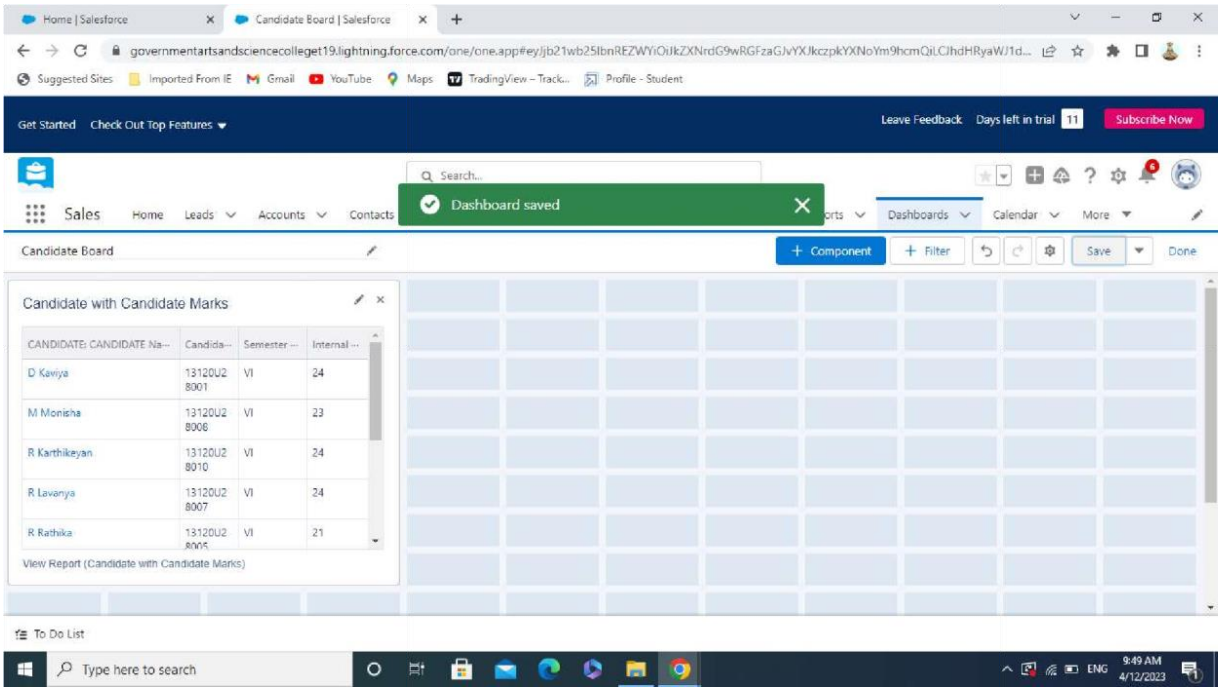
- Go to the app
- Click on the Reports tab, click New Report
- Select the report type from the category (Candidate)
- Click on start report
- Customize your report, then save or run it
- Type the Report name as Candidate with Candidate Marks, click save The Report page display, click Save & Run

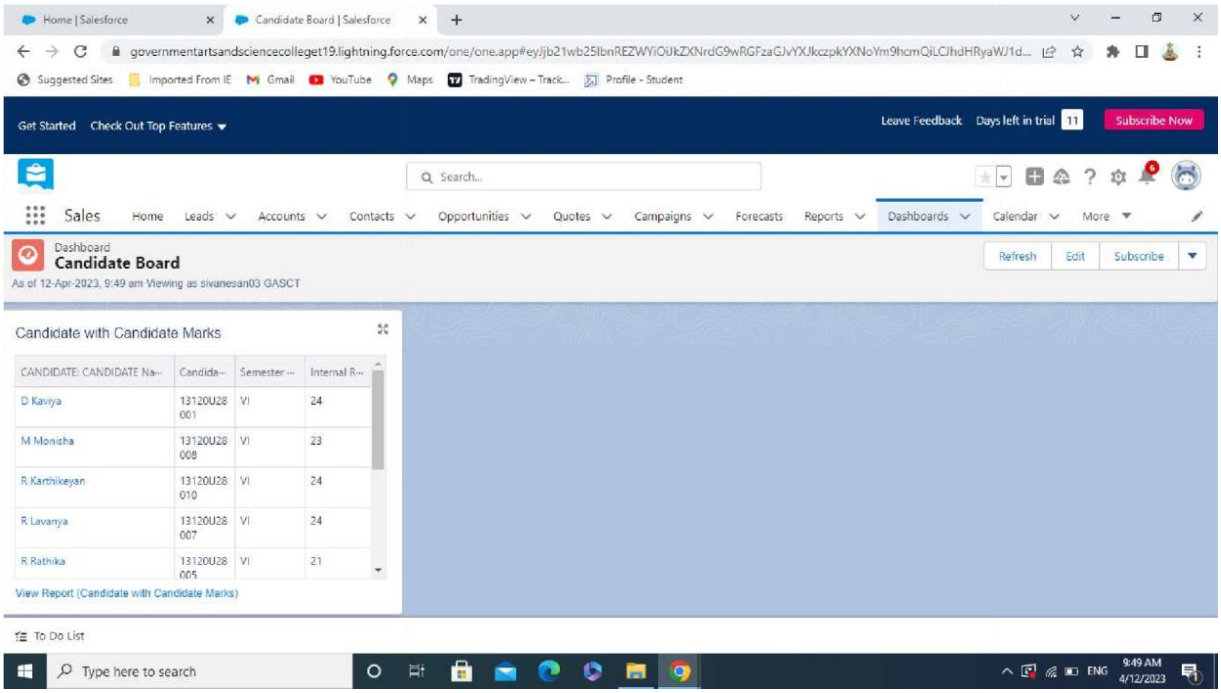
Dashboards:

Activity 1:

Create a Dashboard:


Home | Salesforce
New Dashboard | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/one/one.app#eyJjb21wb25lbnREZWYiOiJkZXNrdG9wRGFzaGJvYXJkczpkYXNoYm9hcmQiLCJhdHRyaWJ1d...
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial
11
Subscribe Now
Search...
Sales
Home
Leads
Accounts
Contacts
Opportunities
Quotes
Campaigns
Forecasts
Reports
Dashboards
Calendar
More
Save
Done
New Dashboard
*Name
Candidate Board
Description
Folder
Cancel
Create
To Do List
Type here to search
ENG
9:47 AM
4/12/2023


Home | Salesforce
Candidate Board | Salesforce
governmentartsandsciencecolleget19.lightning.force.com/one/one.app#eyJjb21wb25lbnREZWYiOiJkZXNrdG9wRGFzaGJvYXJkczpkYXNoYm9hcmQiLCJhdHRyaWJ1d...
Suggested Sites
Imported From IE
Gmail
YouTube
Maps
TradingView – Track...
Profile - Student
Get Started
Check Out Top Features
Leave Feedback
Days left in trial
11
Subscribe Now
Search...
Sales
Home
Leads
Accounts
Contacts
Dashboard saved
Dashboards
Calendar
More
Candidate Board
+ Component
+ Filter
Save
Done
Candidate with Candidate Marks
CANDIDATE: CANDIDATE Na...
Candida...
Semester ...
Internal ...
D Kaviya
13120U28001
VI
24
M Monisha
13120U28008
VI
23
R Karthikeyan
13120U28010
VI
24
R Lavanya
13120U28007
VI
24
R Rathika
13120U28005
VI
21
View Report (Candidate with Candidate Marks)
To Do List
Type here to search
ENG
9:49 AM
4/12/2023



- Create the Dashboards tab
- Click the Dashboard tab
- Click New Dashboard
- Name the Dashboard as Candidate Board. Leave all other fields as is and click Create
- Click + Component
- For Report, select Candidate with Candidate Marks, Click Select
- For Display as, select any chart and click Add
- Click Save
- Click Done

4. Trailhead Profile Public URL:

- Team Lead- https://www.salesforce.com/trailblazer/sumanth09

5. Advantages & Disadvantage:

Advantages:

- It is used to tracking the internal result of the students.

Disadvantages:

- If manual error occurs during the feeding of data it is difficult to be altered.

6. Applications:

- It can be used to track the internal mark of the students.
- It can be tracked anywhere through online mode.

7. Conclusion:

- It is easiest method to track the students internal result and also it can be tracked anywhere through online mode.

8. Future Scope:

- Students date of birth can be included for verifying students.
- External marks can be included so result analysis can be done easily.