

PROJECT REPORT ON
Implementing CRM for Result Tracking of a Candidate with Internal Marks
(ADMIN) - (Short-term)

Introduction: The project aim is to provide real-time knowledge for all the students who have basic knowledge of Salesforce and Looking for a real-time project. This project will also help to those professionals who are in cross-technology and wanted to switch to Salesforce with the help of this project they will gain knowledge and can include into their resume as well.

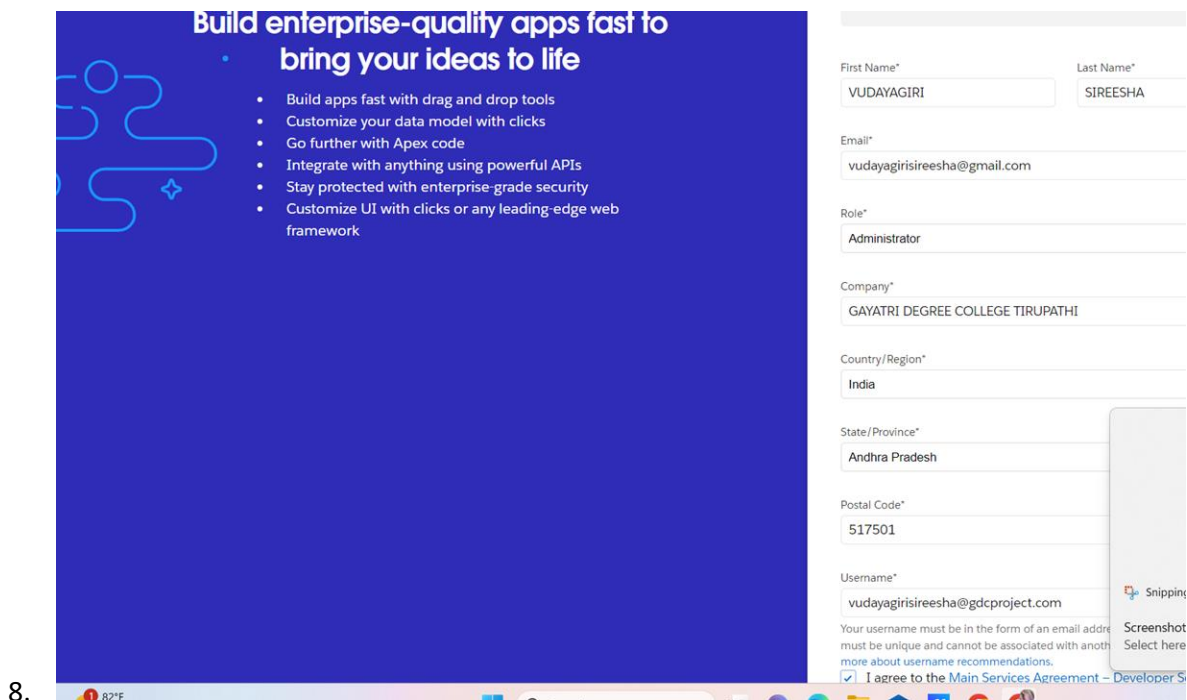
Milestone 01: Create Salesforce Org

Go to **developers.salesforce.com/Signup**

Click on sign up.

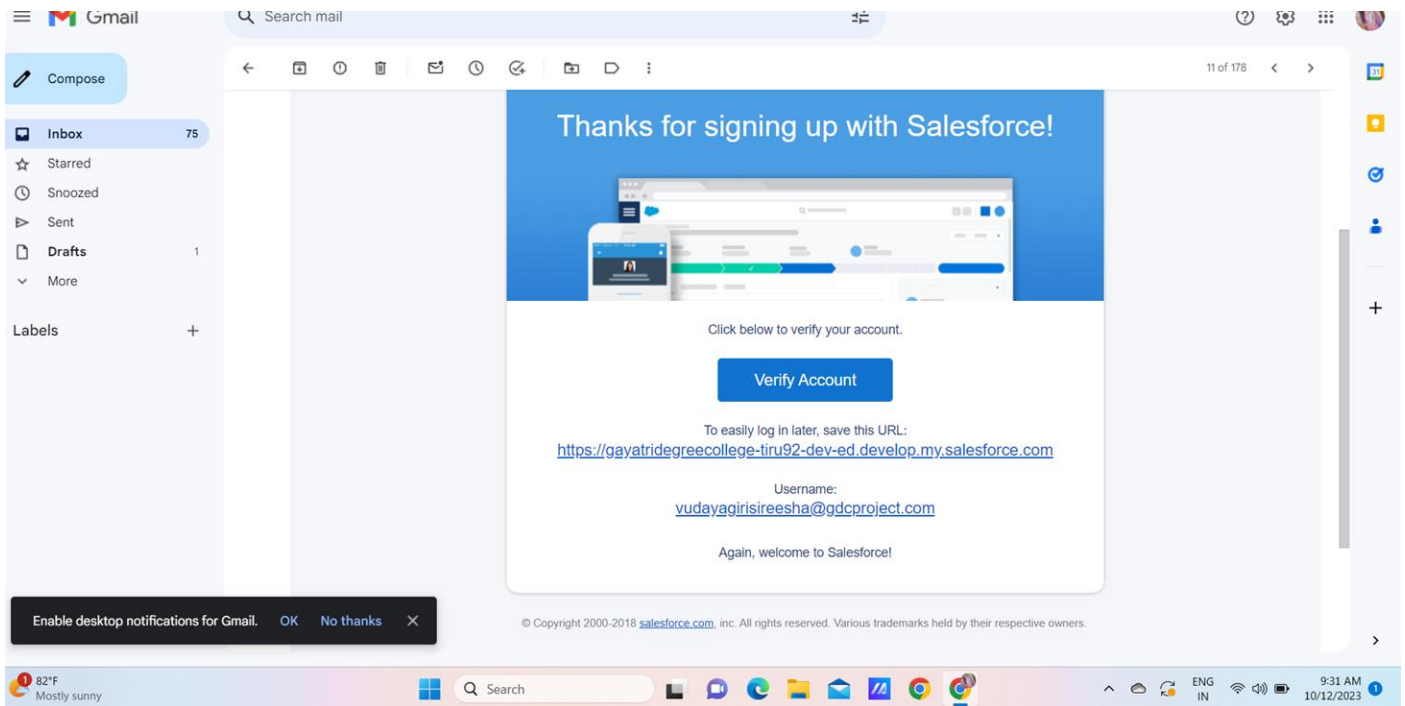
On the sign-up form, enter the following details:

1. First name & Last name –LALAPETA NAVITHA
2. Email –chandumuni489@gmail.com
3. Role: Administrator
4. Company: GAYATRI DEGREE COLLEGE - TIRUPATI
5. County: India
6. Postal Code: 517501
7. Username:chandumuni489@gmail.com



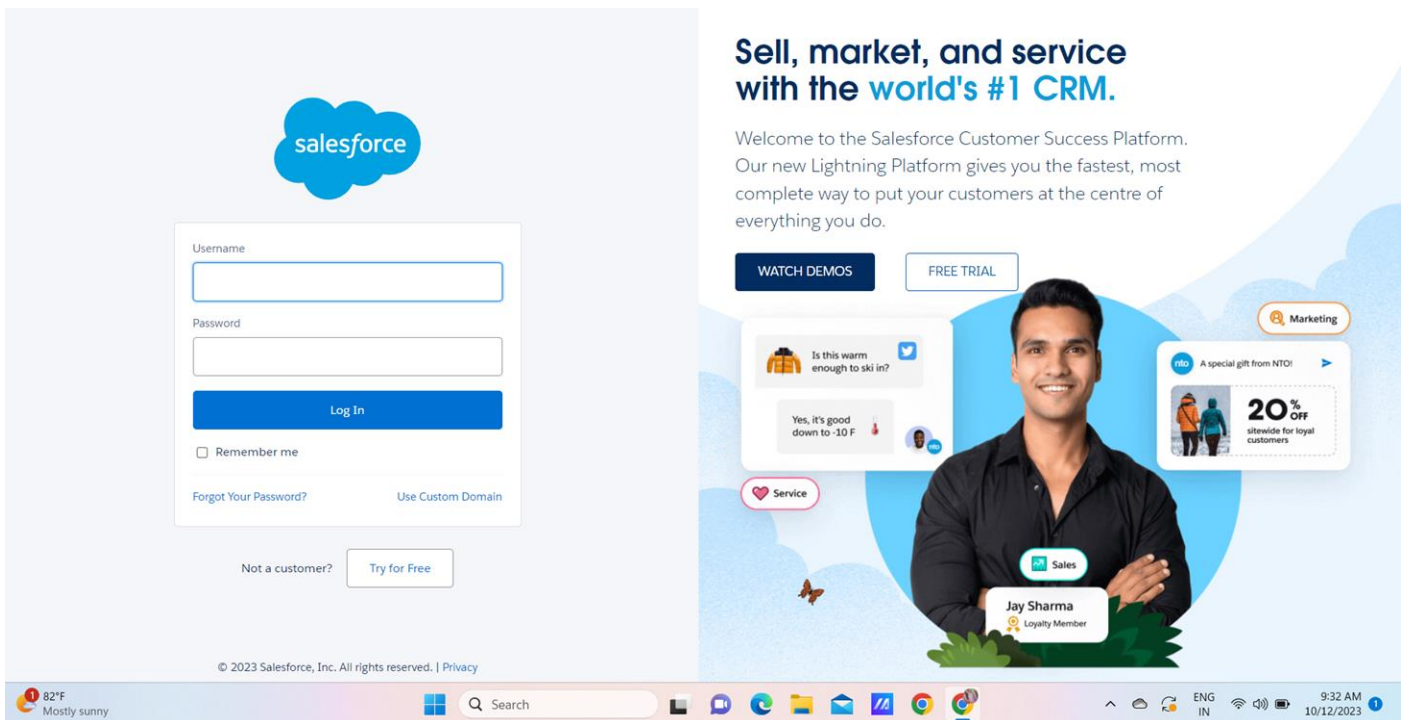
Account Activation

Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins, as



Login to Your Salesforce Account

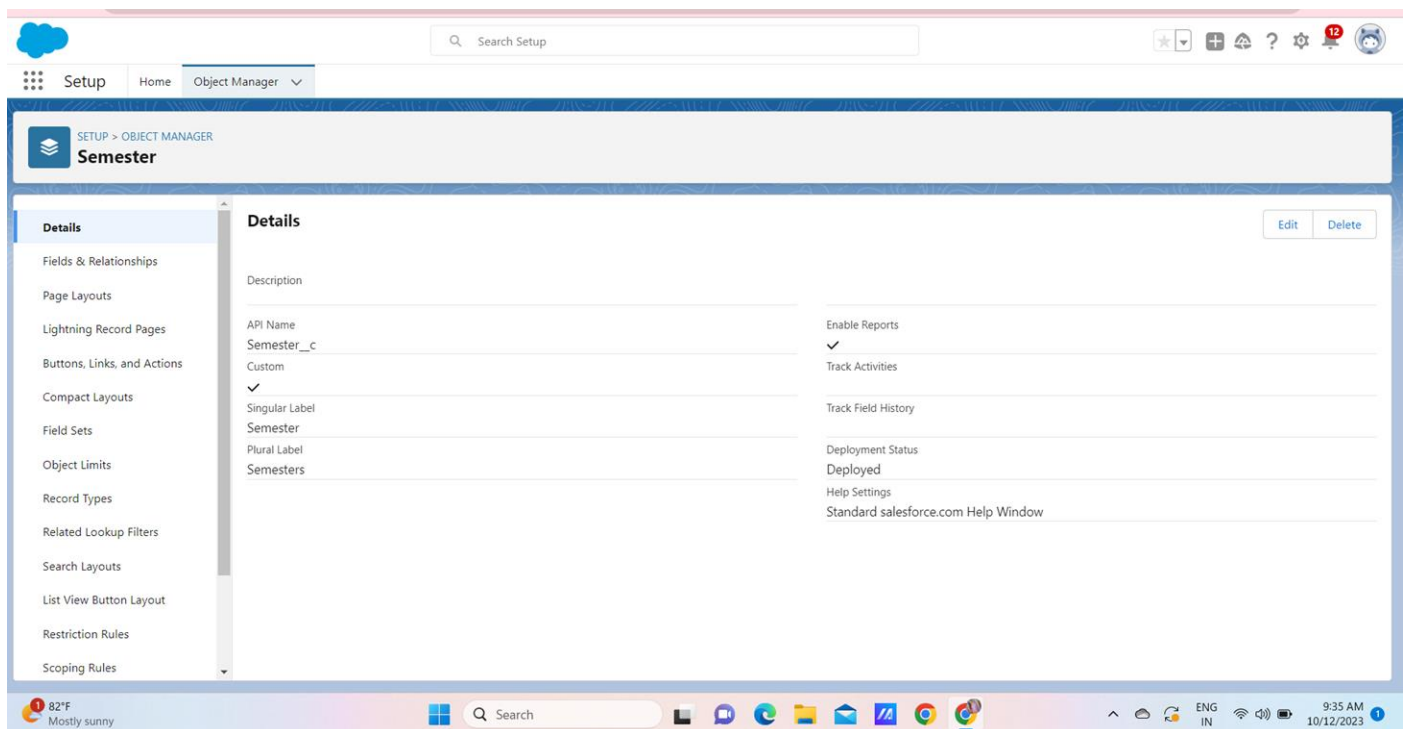
1. Go to salesforce.com and click on login.
2. Enter the username and password that you just created.
3. After login this is the home page which you will see.



Milestone – 02: Creation of Objects

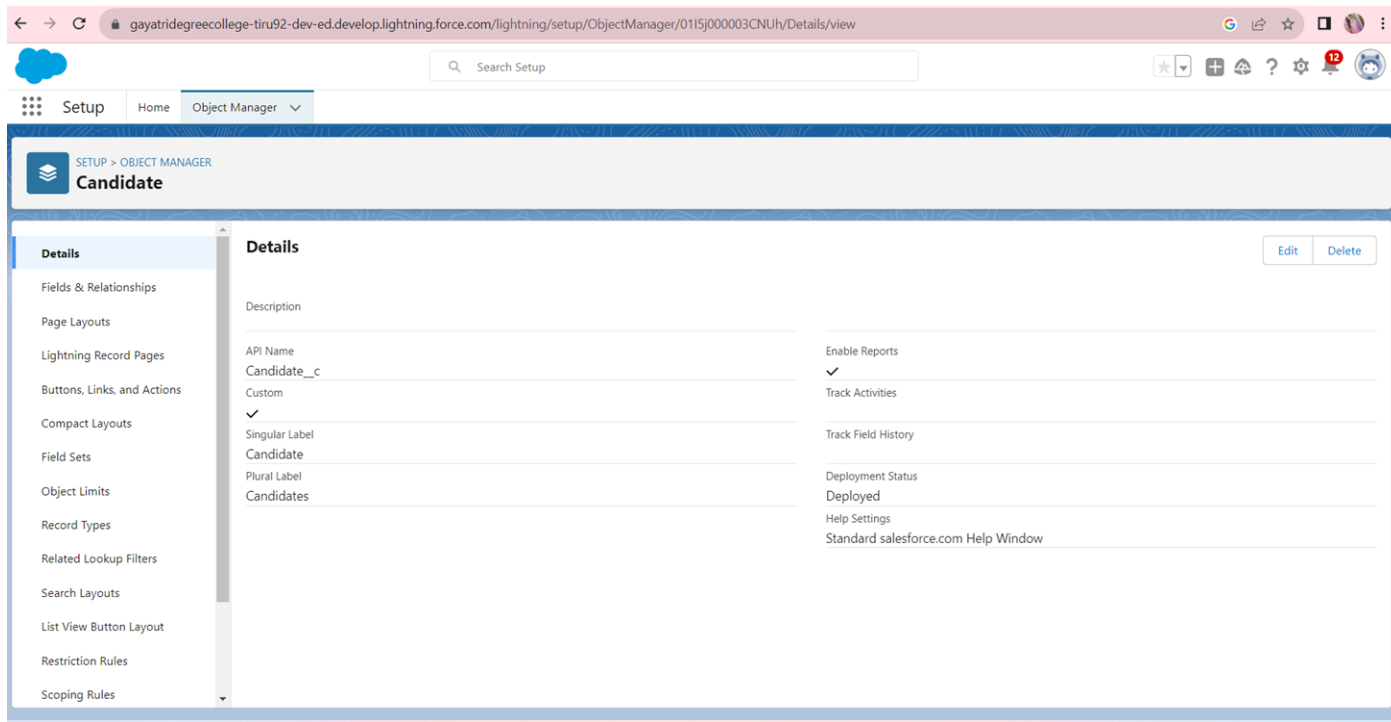
Object – Semester

1. Click on the gear icon and then select Setup.
2. Click on the object manager tab just beside the home tab.
3. After the above steps, have a look on the extreme right you will find a Create Drop down click on that and select Custom Object.
4. On the Custom Object Definition page, create the object as follows:
5. Label: **Semester**
6. Plural Label: Semesters
7. Record Name: Semester Name
8. Check the Allow Reports
9. Check the Allow Search
10. 10.Click Save.



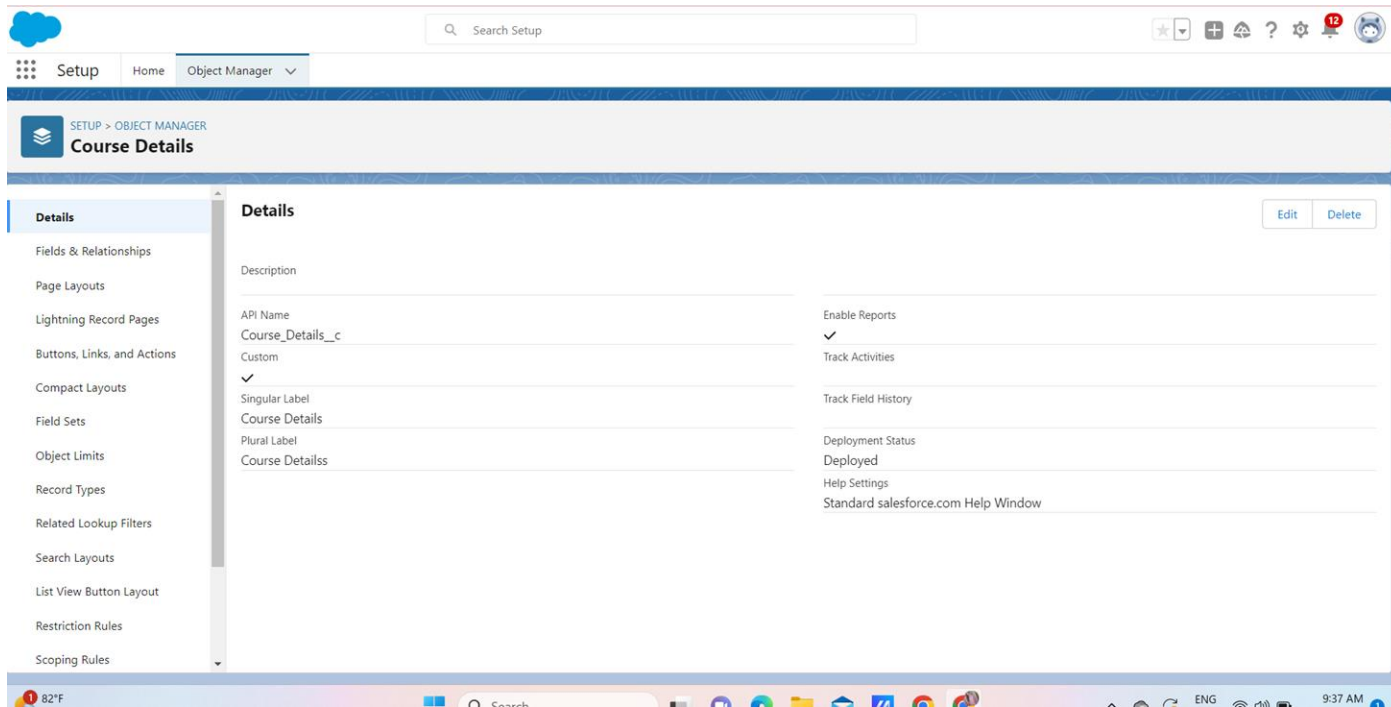
Object – Candidate

1. Click on the gear icon and then select Setup.
2. Click on the object manager tab just beside the home tab.
3. After the above steps, have a look on the extreme right you will find a Create Drop down click on that and select Custom Object.
4. On the Custom Object Definition page, create the object as follows:
5. Label: **Candidate**
6. Plural Label: Candidates
7. Record Name: Candidate Name
8. Check the Allow Reports
9. Check the Allow Search
10. Click Save



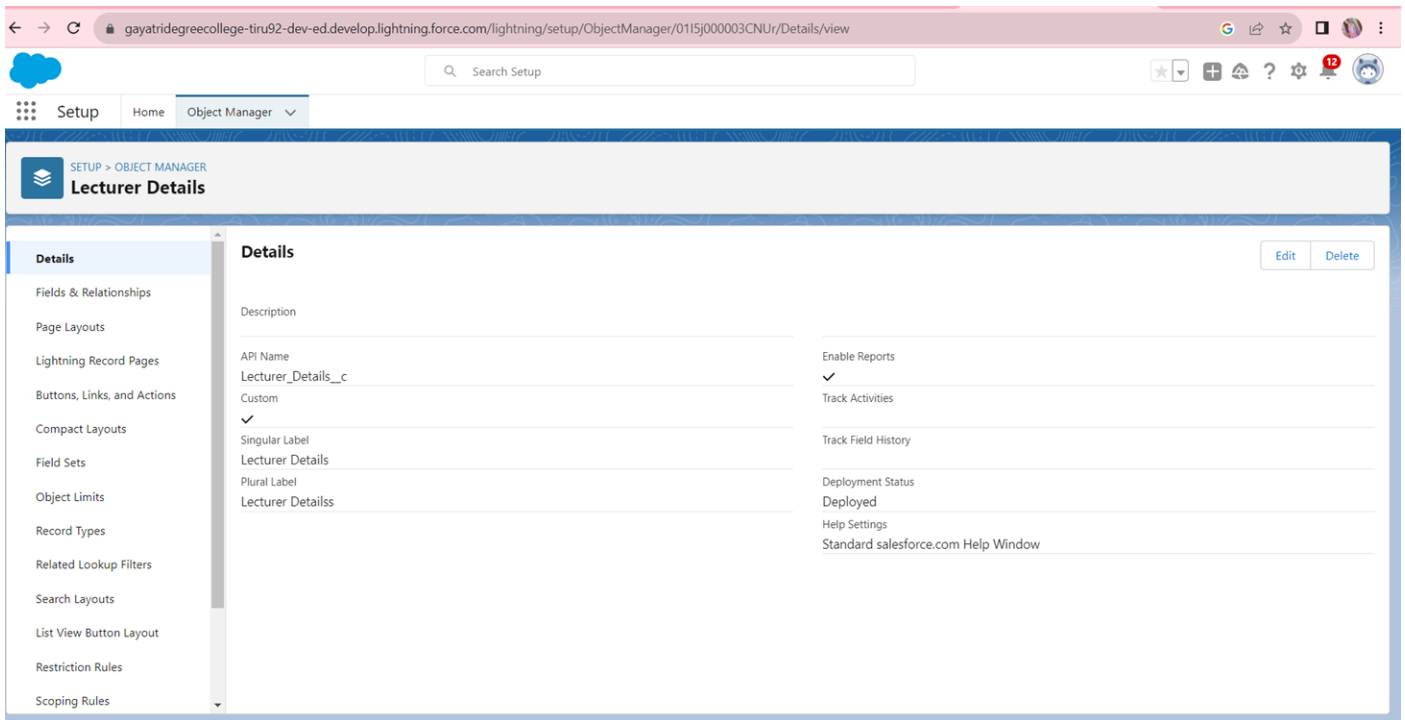
Object – Course Details

1. Click on the object manager tab just beside the home tab
2. After the above steps, have a look on the extreme right you will find a Create Drop down click on that and select Custom Object.
3. On the Custom Object Definition page, create the object as follows:
4. Label: **Course Details**
5. Plural Label: course details
6. Record Name: course details Name
7. Check the Allow Reports
8. Check the Allow Search
9. Click Save.

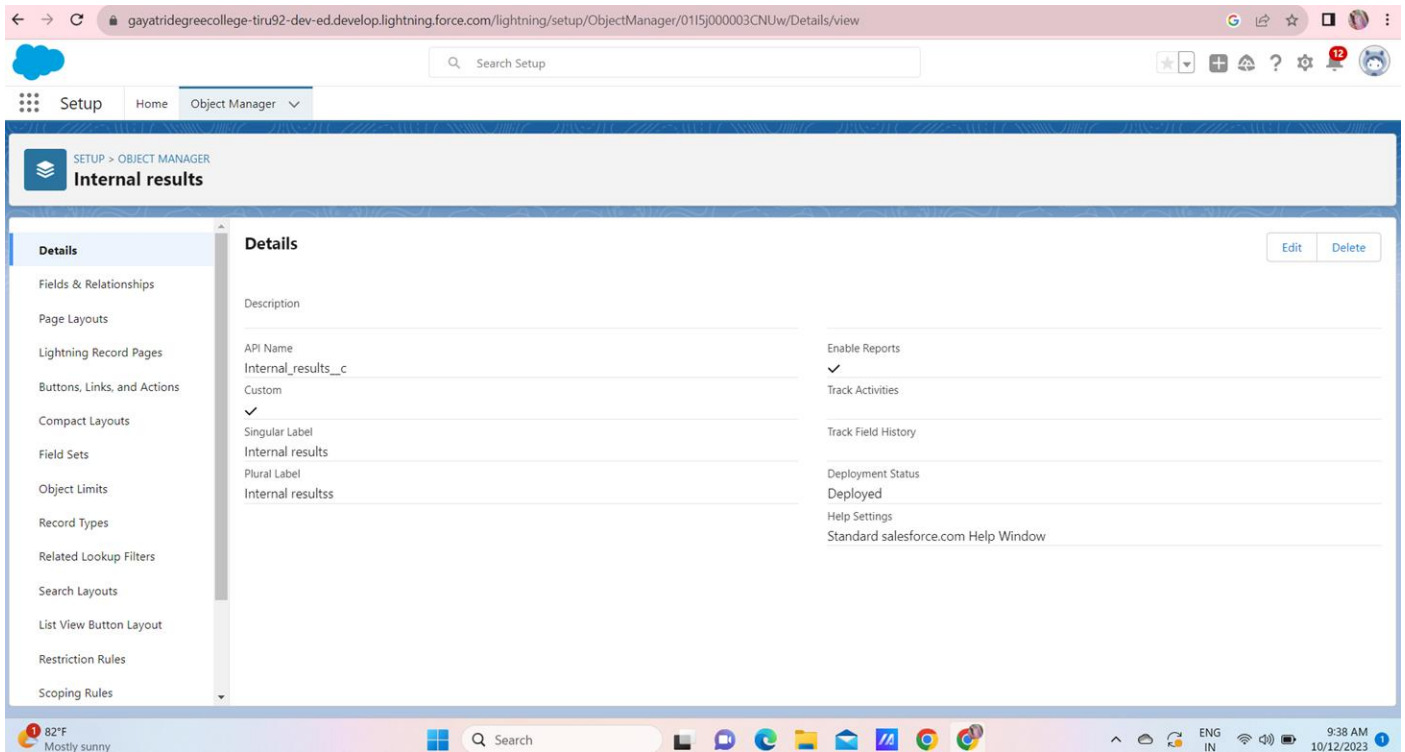


Object – Lecturer Details

1. Click on the gear icon and then select Setup.
2. Click on the object manager tab just beside the home tab.
3. After the above steps, have a look on the extreme right you will find a Create Drop down click on that and select Custom Object.
4. On the Custom Object Definition page, create the object as follows:
5. Label: **Lecturer Details**
6. Plural Label: Lecturer Details
7. Record Name: Lecturer Details Name
8. Check the Allow Reports
9. Check the Allow Search
10. 10.Click Save.



1. **Object – Internal results**
2. Click on the gear icon and then select Setup.
3. Click on the object manager tab just beside the home tab.
4. After the above steps, have a look on the extreme right you will find a Create Drop down click on that and select Custom Object.
5. On the Custom Object Definition page, create the object as follows:
6. Label: – **Internal results**
7. Plural Label: Internal results
8. Record Name: Internal results Name
9. Check the Allow Reports
10. Check the Allow Search
11. 10.Click Save.



Milestone – 03: Tabs

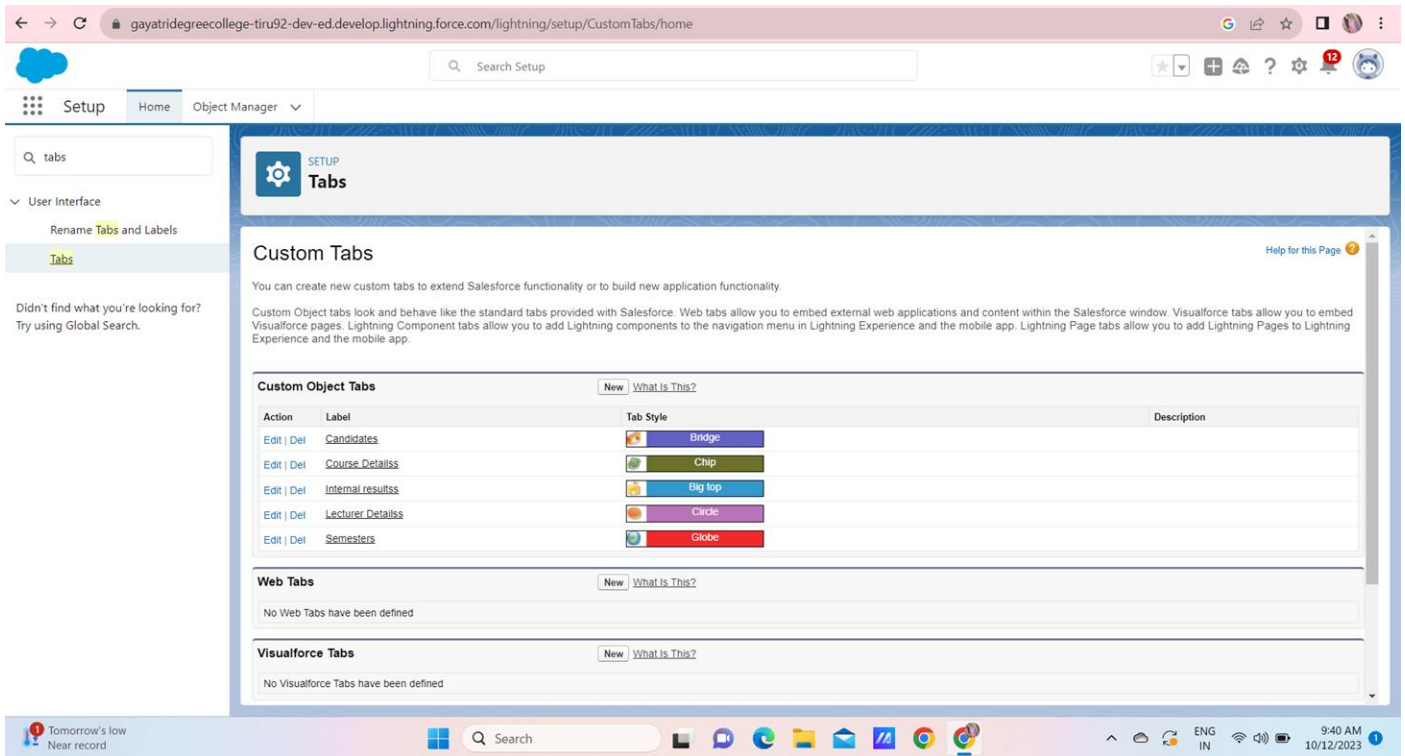
Tabs in Salesforce help users view the information at a glance. It displays the data of objects and other web content in the application.

There are mainly 4 types of tabs:

- Standard Object Tabs: Standard object tabs display data related to standard objects
 - Custom Object Tabs: Custom object tabs displays data related to custom objects.
 - Web Tabs: Web Tabs display any external Web-based application or Web page in a Salesforce tabs.
 - Visual force Tabs: Visual force Tabs display data from a Visual force Page.
- Creation of semester candidate internal result card

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 Semester.
- For Tab Style, select any icon.
- Leave all defaults as is. Click Next, Next, and Save
- In the same way create Tabs for all Custom Objects -Candidate, Course Details, Lecturer Details, Internal results.



Milestone – 04: Lightning app

Apps in Salesforce are a group of tabs that help the application function by working together as a unit. It has a name, a logo, and a particular set of tabs. The simplest app usually has just two tabs. There are two types of app –

1. Standard App: Standard apps come with every occurrence of Salesforce as default. Many features like Sales, Marketing, Community, call center content, Salesforce chatter, App Launcher, etc are present in it. Note: The description, Logo, and Label of standard app cannot be altered.

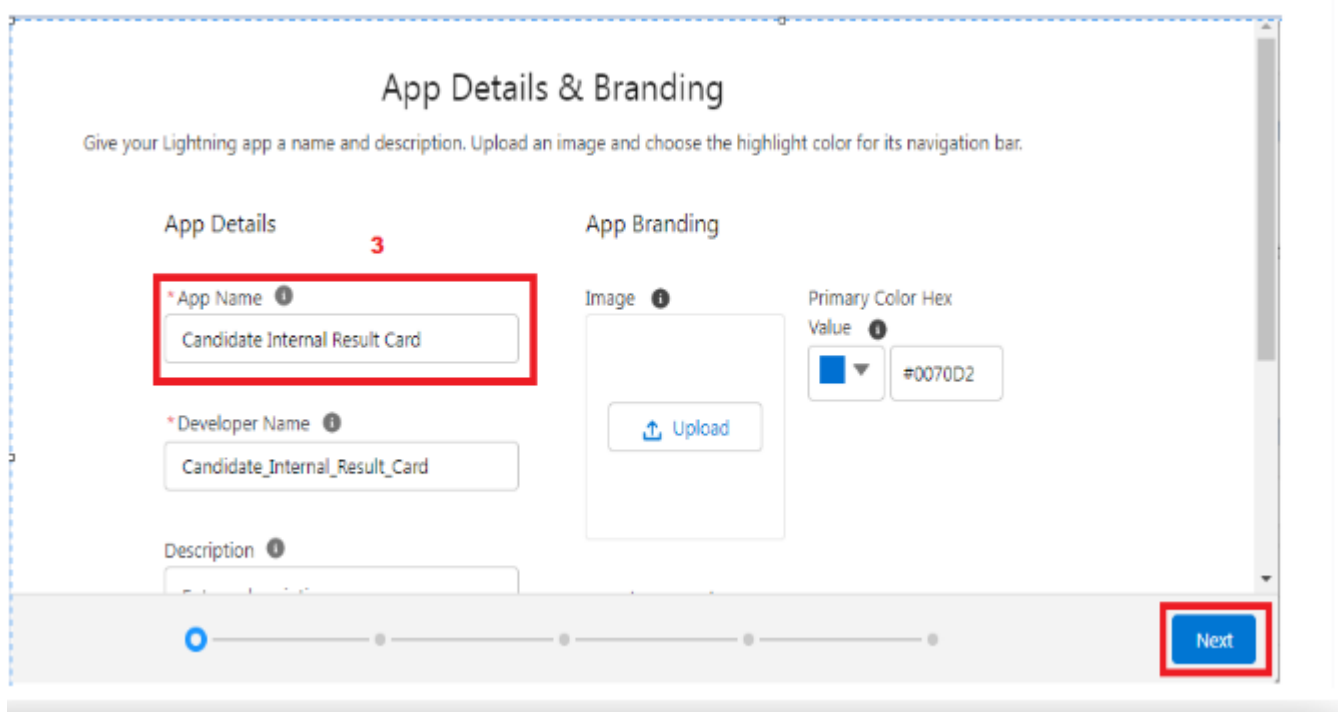
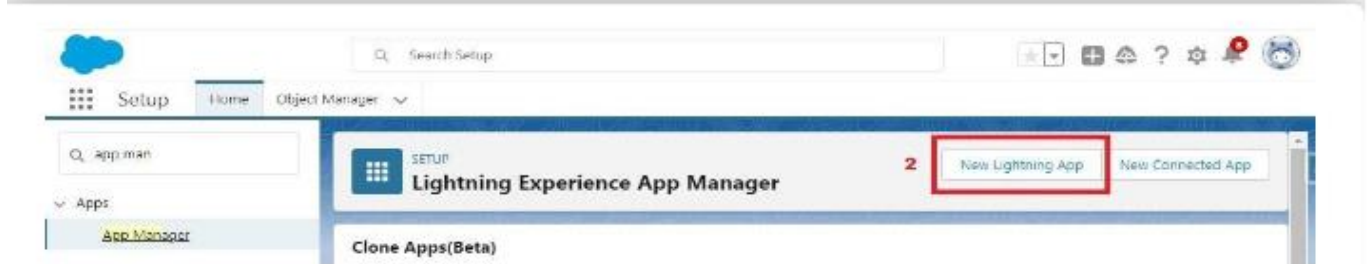
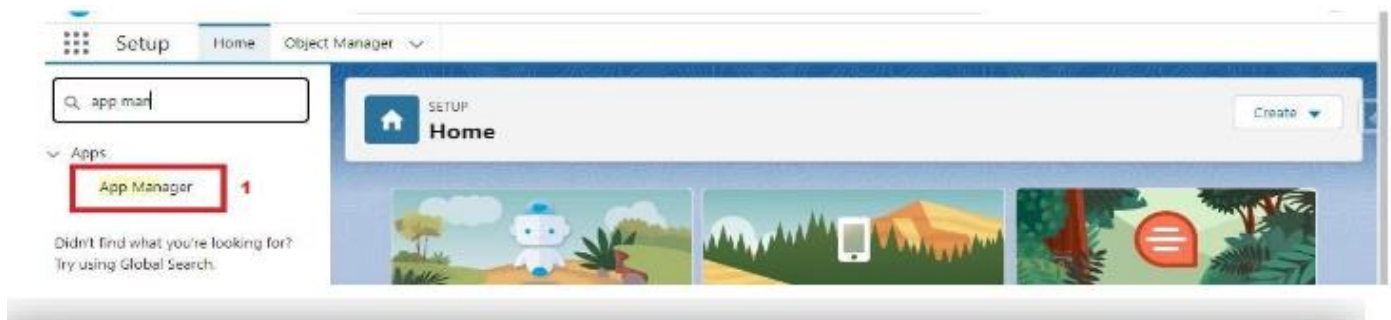
2. Custom Apps: Custom apps are created according to need of user. Custom Apps are made by using standard and custom tabs together.

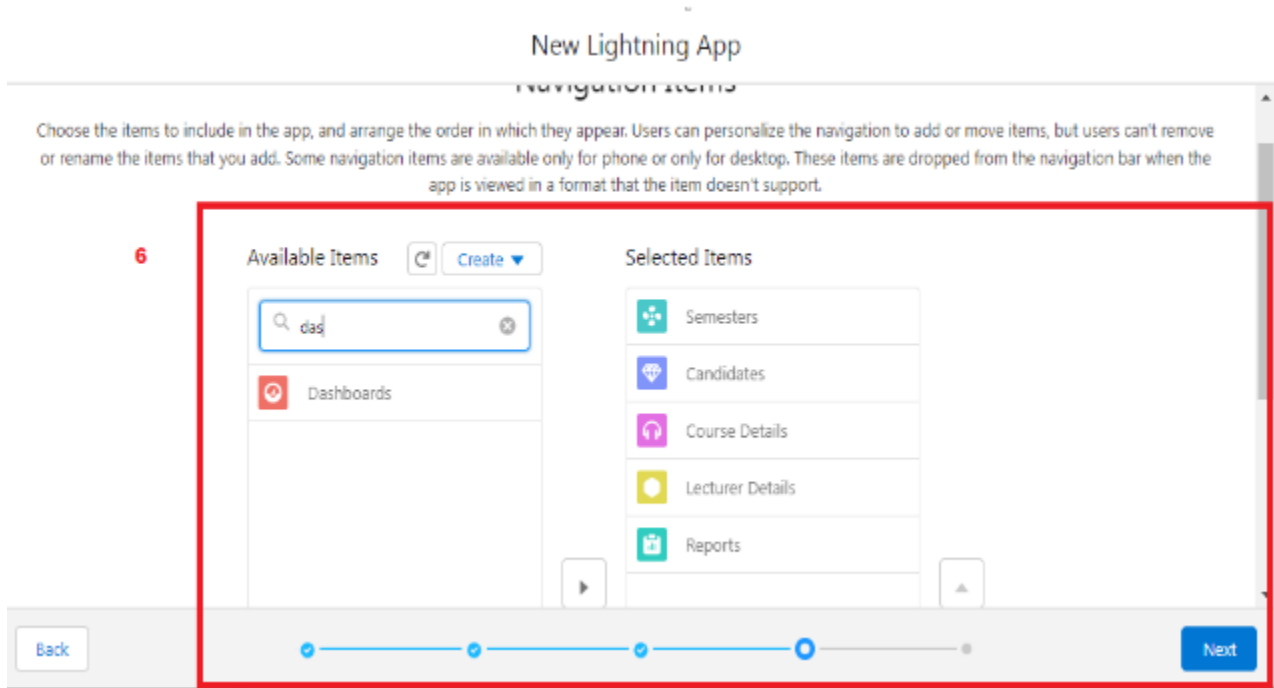
Note: Logos for Custom Apps can be changed.

Create The Candidate Internal Result Card App

1. From Setup, enter App Manager in the Quick Find and select App Manager.
2. Click New Lightning App.
3. Enter Candidate Internal Result Card as the App Name, then click next
4. Under App Options, leave the default selections and click next.
5. Under Utility Items, leave as is and click Next.
6. From Available Items, select Semester, Candidate, Course Details, Lecturer Details, Interna results, Reports, and Dashboards and move them to Selected Items.
7. Click Next

From Available Profiles, select and move it to Selected Profiles. Click Save & Finish. System Administrator





Milestone – 05: fields and relationship

Fields And Relationship

Fields - Fields store data values that are required for a particular object in a record . An object relationship in Salesforce is a two-way association between two objects. 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

Object Name	Field Name	Data type
Semester	Semester Name Course	Text(Standard field) Lookup(Course Details)
Candidate	Candidate Name Candidate Roll Number Semester Name	Text(Standard field) Auto Number Lookup(Semester)
Lecturer Details	Lecturer Name Lecturer Role Course	Text(Standard field) Text Lookup(Course)
Course Details	Course Name Duration (Years)	Text(Standard field) Number
Internal results	Candidate Candidate Roll Number Course Marks	Lookup (candidate) Formula Lookup(Course) Number

Creation Of Text Field On "Lecturer Details" & Look Up Field For The “Candidate” Object

1. Click the gear icon and select Setup. This launches Setup in a new tab.
2. Click the Object Manager tab next to Home.
3. Select Lecturer Details
4. Select Fields & Relationships from the left navigation
5. Click New
6. Select the Text as the Data Type, click next.
7. For Field Label, enter Lecturer Role
8. Enter Length 40
9. Click Next, Next, then Save & New



Number: Allows users to enter any number. Leading zeros are removed.

Percent: Allows users to enter a percentage number. For example, "10%" and automatically adds the percent sign to the number.

Phone: Allows users to enter any phone number. Automatically formats it as a phone number.

Picklist: Allows users to select a value from a list you define.

Picklist (Multi-Select): Allows users to select multiple values from a list you define.

Text: **7** Allows users to enter any combination of letters and numbers.

Text Area: Allows users to enter up to 358 characters on separate lines.

Text Area (Long): Allows users to enter up to 131,072 characters on separate lines.

Text Area (Rich): Allows users to enter formatted text, add images and links, up to 121,072 characters on separate lines.

Text (Rich)(HTML): Allows users to enter any combination of letters and numbers and store them in encrypted form.

Time: Allows users to enter a local time. For example, "12:40 PM", "1:4:45", "3:45:00", and "11:40:30.800" are all valid times for this field.

URL: Allows users to enter any valid website address. When users click on the field, the URL will open in a separate browser window.

Next Cancel

Step 2. Enter the details Step 2 of 4

Previous **Next** **9**

Field Label **Lecturer Role** **7**

Length **40** **8**

Field Name **Lecturer_Role**

Description

Help Text

Setup Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Lecturer Details

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Lecturer Details Custom Field

Lecturer Role

[Back to Lecturer Details](#)

Validation Rules (0)

Custom Field Definition Detail

Edit Set Field-Level Security View Field Accessibility Where is this used?

Field Information		Object Name	Lecturer Details
Field Label	Lecturer Role	Data Type	Text
Field Name	Lecturer_Role		
API Name	Lecturer_Role__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Vudavagiri Sireesha, 09/10/2023, 12:25 pm	Modified By	Vudavagiri Sireesha, 09/10/2023, 12:25 pm

General Options

Required ☐

Unique ☐

Case Sensitive ☐

External ID ☐

Default Value

Text Options

84°F Mostly sunny Search ENG IN 9:42 AM 10/12/2023

Now Let's create a Lookup field on candidate object

1. Click the gear icon and select Setup. This launches Setup in a new tab.
2. Click the Object Manager tab next to Home.
3. Select candidate.

4. Select Fields & Relationships from the left navigation

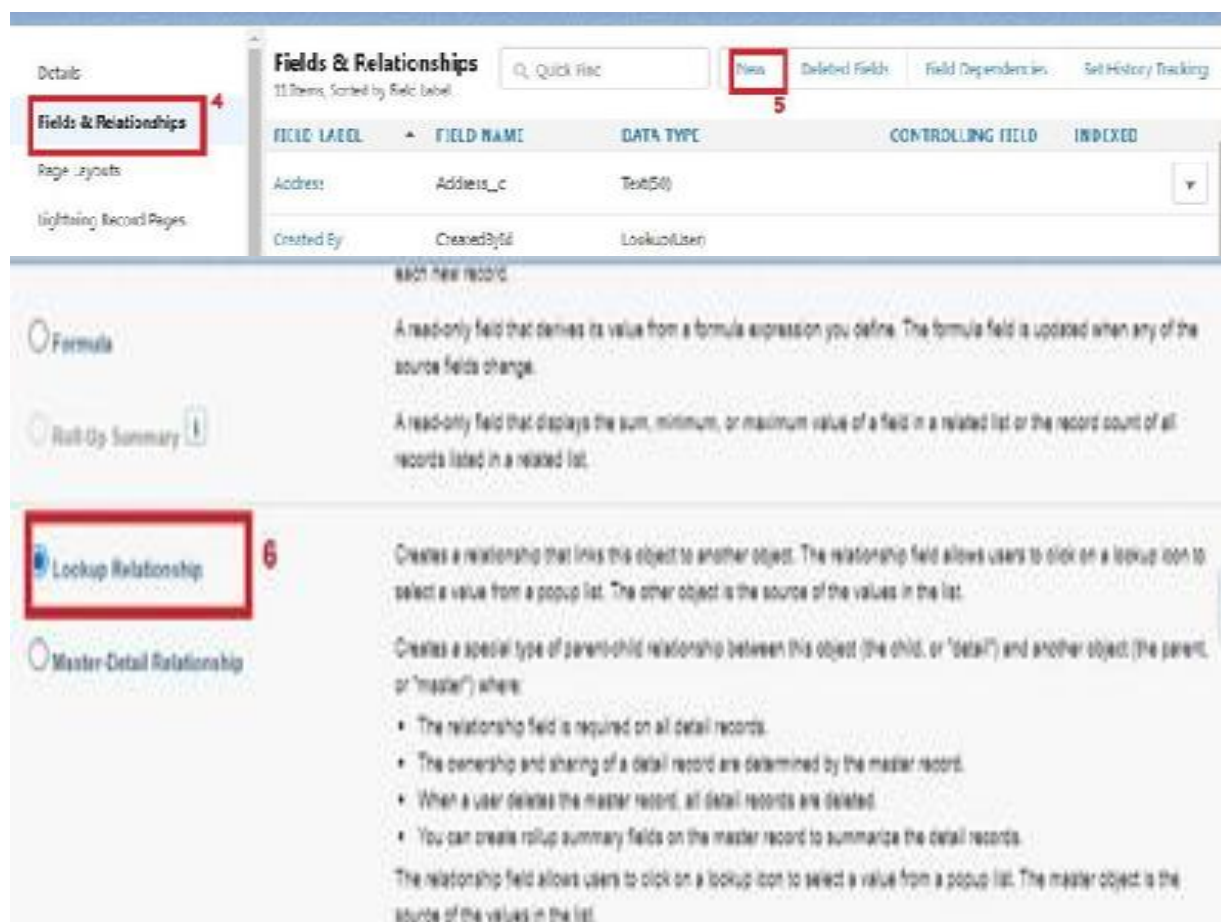
5. Click New

6. Select the lookup as the Data Type, then click Next.

7. In related select Semester

8. For Field Label Semester Name, enter.

9. Click Next, Next, then Save & New.



Step 2. Choose the related object

Select the other object to which this object is related.

Related To: Semester

Previous Next Cancel

Field Label: Semester Name

Field Name: Semester Name

Description:

Help Text:

Note- Similarly create all lookup fields on their respective objects.

Setup - Object Manager - Semester

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Semester Field: Semester Name

Field Information

Field Label	Semester Name	Field Name	Name
Semester Name	Semester Name	Semester Name	Semester Name

Validation Rules

No validation rules defined.

Creation Of Auto Number Field On Candidate Object, Number Field On Course Details Object & Formula Field Course Details Object

Let's create a Number field on Course Details object

1. Click the gear icon and select Setup. This launches Setup in a new tab.
2. Click the Object Manager tab next to Home.
3. Select Course Detail.
4. Select Fields & Relationships from the left navigation

4. Click New & select number field, click Next
6. For Field Label Duration, enter.
7. Give Help Text- Enter Course duration value in Years
8. Click Next, Next, then Save & New.



Field Label: **Duration**

Please enter the length of the number and the number of decimal places. For example, a number with a length of 8 and 2 decimal places can accept values up to "12345678.90".

Length: **1** Decimal Places: **2**

Field Name: **Duration**

Help Text: **Enter Course duration value in Years**

Now Let's create a Formula field on Internal Results object

1. Click the gear icon and select Setup. This launches Setup in a new tab.
2. Click the Object Manager tab next to Home.
3. Select Internal results.
4. Select Fields & Relationships from the left navigation.
5. Click New

6. Select the Formula as the Data Type, then click Next.

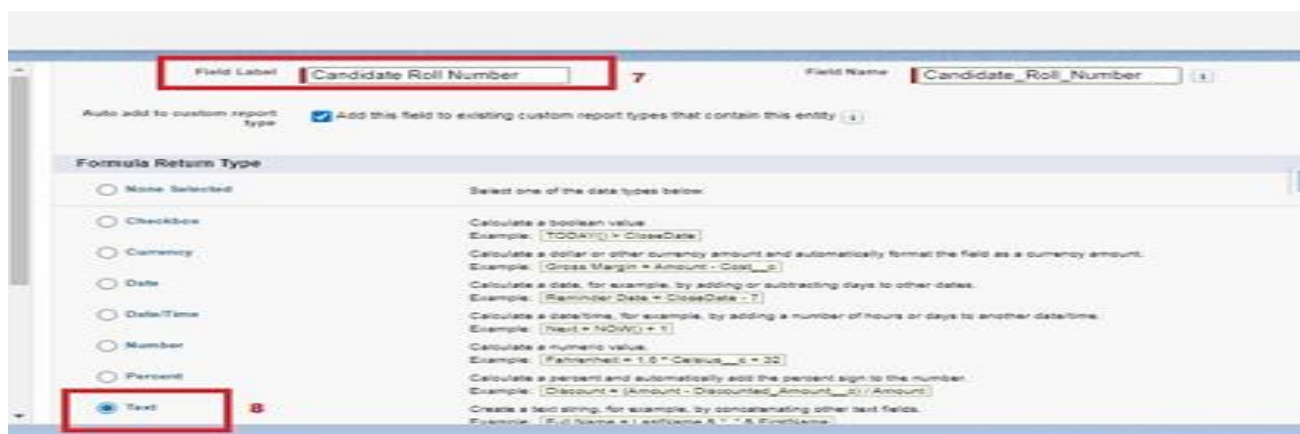
7. Give field label Candidate Roll Number

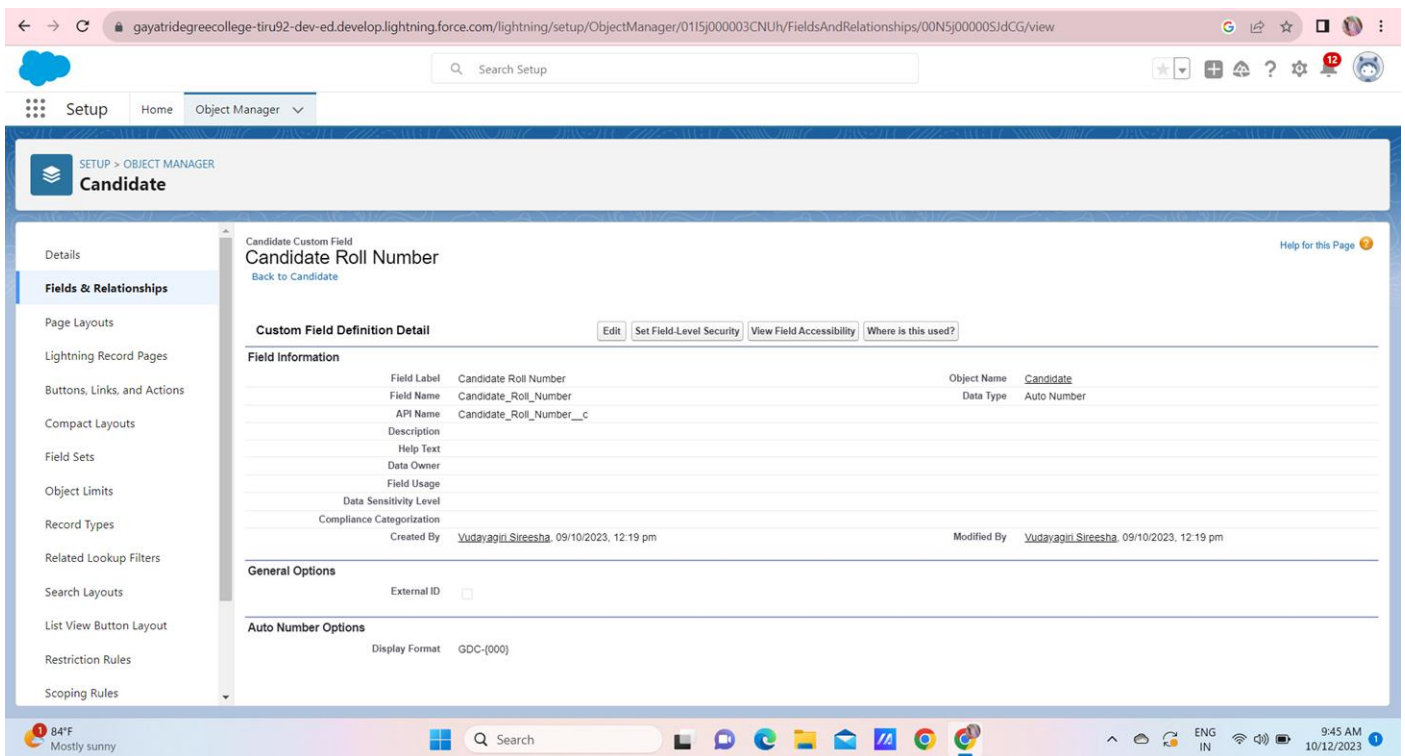
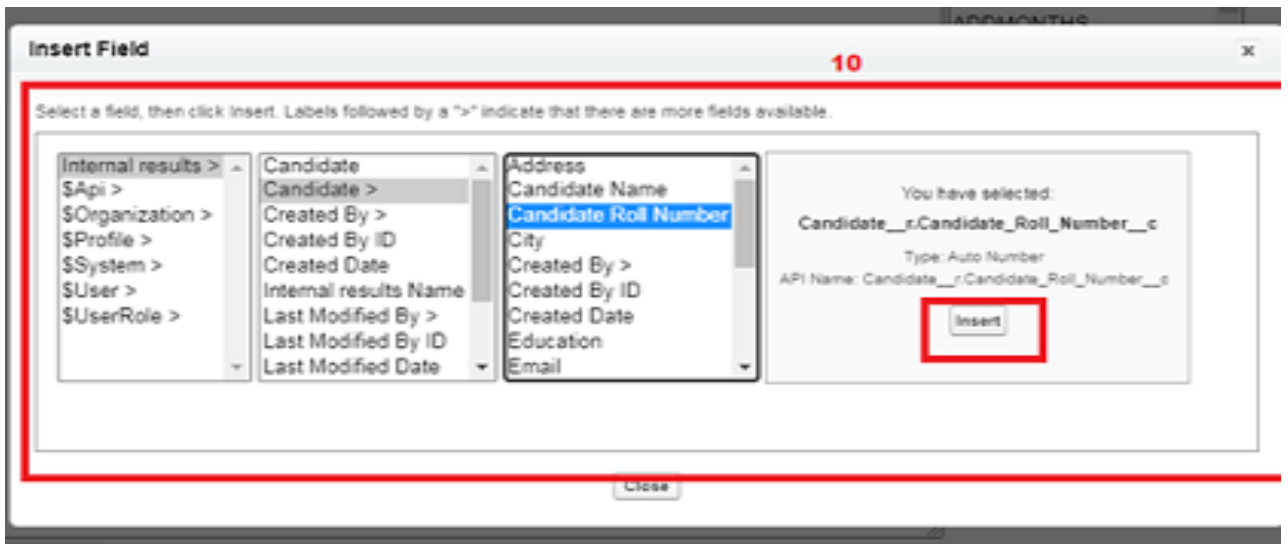
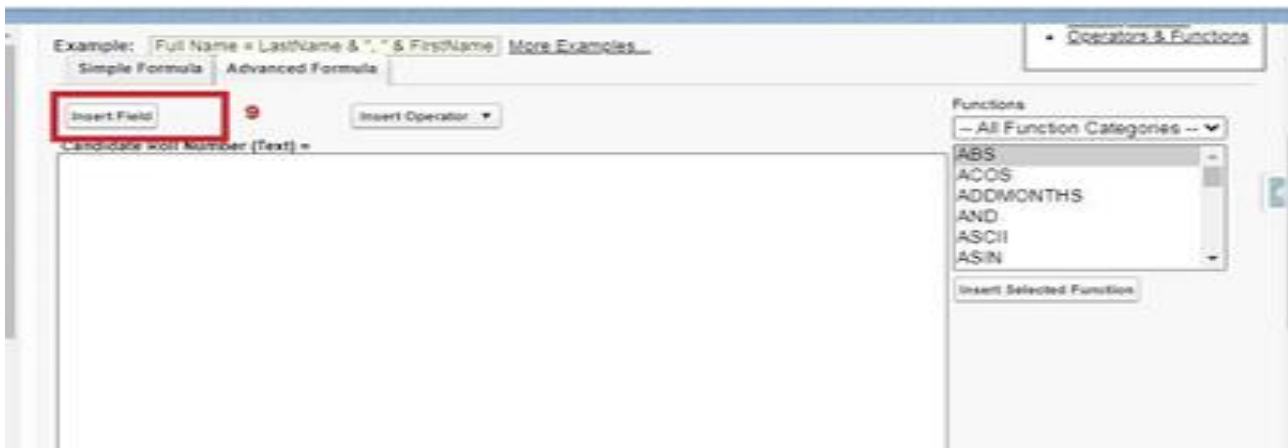
8. Select formula return type text, Click Next

9. Click Insert Field

10. Create and insert formula Candidate r.Candidate_Roll_Number c, and then click Insert.

11. Click Next, Next, then Save.





Now Let's create an auto number field on Candidate object

1. Click the gear icon and select Setup. This launches Setup in a new tab.
2. Click the Object Manager tab next to Home.
3. Select Candidate.
4. Select Fields & Relationships from the left navigation
5. Click New
6. Select the Auto Number as the Data Type, then click Next.
7. For Field Label Candidate enter Roll Number.
8. Give a display format
9. Click Next, Next, then Save & New.



Candidate
New Custom Field

Help for this Page

Step 2. Enter the details

Step 2 of 4

Field Label:

Display Format: Example: A-(0000) [What Is This?](#)

Starting Number:

☐ Generate auto number for existing records

Field Name:

Description:

Help Text:

Previous Next Cancel

Milestone – 06: users

Creating A User

1. From Setup, in the Quick Find box, enter Users.
 2. Select Users.
 3. Click New User.
 4. Enter the First Name, Class, Last Name, Teacher 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.
 5. Select a User License as salesforce.
- NOTE- As Salesforce license can only be used by 2 Users at a time in Dev Org, so If you don't find salesforce license then deactivate a user who has salesforce license Or change the license type from Salesforce to any other.
6. Select a profile as Standard user.
 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.

Setup Home Object Manager

user

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

User Interface

SETUP Users

All Users

On this page you can create, view, and manage users.

In addition, download SalesforceA to view and edit user details, reset passwords, and perform other administrative tasks from your mobile devices: [iOS](#) | [Android](#)

View: All Users Edit Create New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other

New User Reset Password(s) Add Multiple Users

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	1. User	u1	utkarsh2@vanshiv.com	Operator 1	✓	operator
<input type="checkbox"/> Edit	2. User	u2	utkarsh3@vanshiv.com	Operator 2	✓	operator
<input type="checkbox"/> Edit	Chatter Export	Chatter	chatty.00d2w00000rs8akeaj.mujrojkjxf1@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	Technologies Vanshiv	VTech	vehicledemo@vanshiv.com		✓	System Administrator
<input type="checkbox"/> Edit	Teddy John	J.ted	utkarsh1@vanshiv.com	Vehicle Manager	✓	Vehicle Manager

New Course Details

Information


* Course Name

MBA

Duration ⓘ

2

Owner

 Vanshiv Technologies

Cancel

Save & New

Save

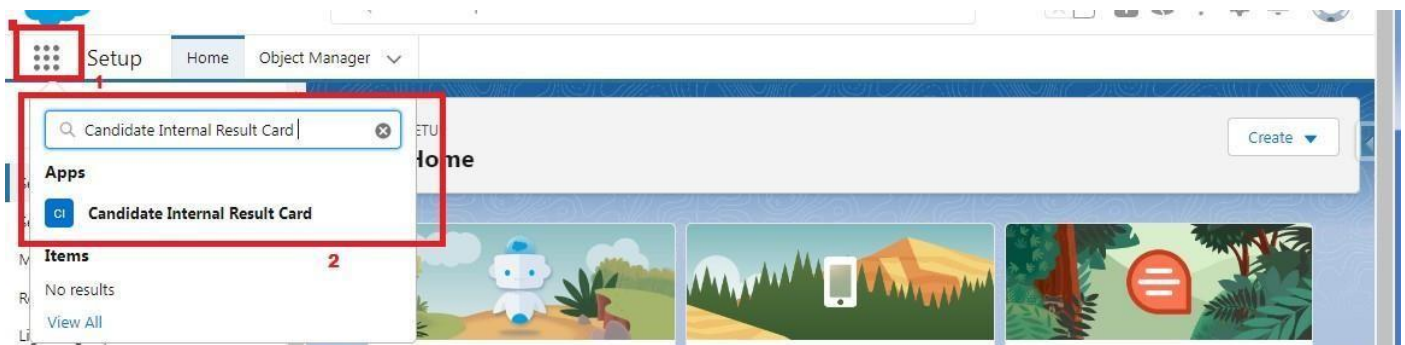
Course Details Recently Viewed


	Course Details Name
1	<input type="checkbox"/> B.Com (CJA)
2	<input type="checkbox"/> B.Sc (MECE)
3	<input type="checkbox"/> B.Sc (MSCe)
4	<input type="checkbox"/> B.Sc (BCCA)



View Record (Course Details)

Viewing the Records of Course Detail Object

1. Click on App Launcher on left side of screen.
2. Search Candidate Internal Result Card & click on it.
3. Click on Course details Tab.
4. Click on any record name. you can see the details of the Driver






Candidate Internal ...
Semesters ▾
Candidates ³ ▾
Course Details ▾
Lecturer Details ▾
Reports ▾
Dashboards ▾



Course Details
All ▾


New Import Change Owner

4 items • Sorted by Course Name • Filtered by All course details • Updated a few seconds ago

	<input type="checkbox"/> Course Name ↑	▼ Duration	▼ Created Date
1	<input type="checkbox"/> BCA	3.00	09/04/2023, 7:39 pm
2	<input type="checkbox"/> BSc	3.00	09/04/2023, 7:39 pm
3	<input type="checkbox"/> Btech	4.00	09/04/2023, 7:38 pm
4	<input type="checkbox"/> MBA	2.00	09/04/2023, 7:38 pm


Course Details
B.SC (Agriculture)

Related

Details

Course Details Name

B.SC (Agriculture)

Duration ⓘ

2

Course Name

BSC

Created By

 [SURESH SANGEETHA](#), 10/10/2023, 7:52 pm

Owner

 [SURESH SANGEETHA](#)


Last Modified By


 [SURESH SANGEETHA](#), 10/10/2023, 7:52 pm

Delete Record (Course Details)

Deleting Records of Course Details Object

1. Click on App Launcher on left side of screen.
2. Search Candidate Internal Result Card & click on it.
3. Click on Course details Tab.
4. Click on Arrow at right hand side on that Particular record.
5. Click delete and delete again.


Setup Home Object Manager ▾

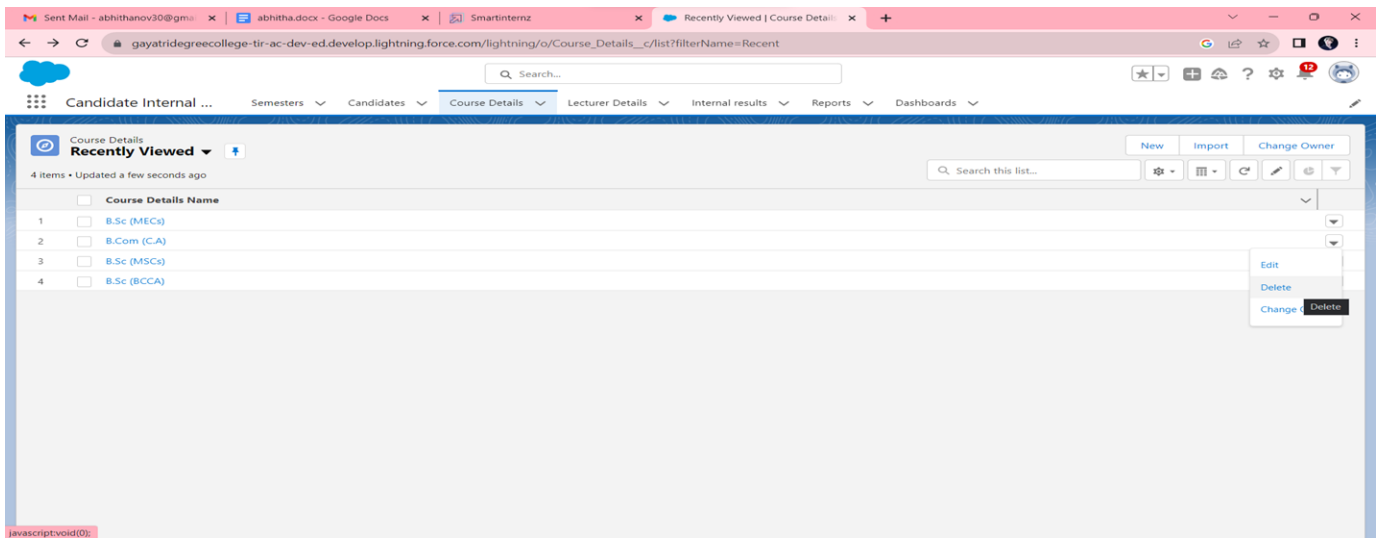
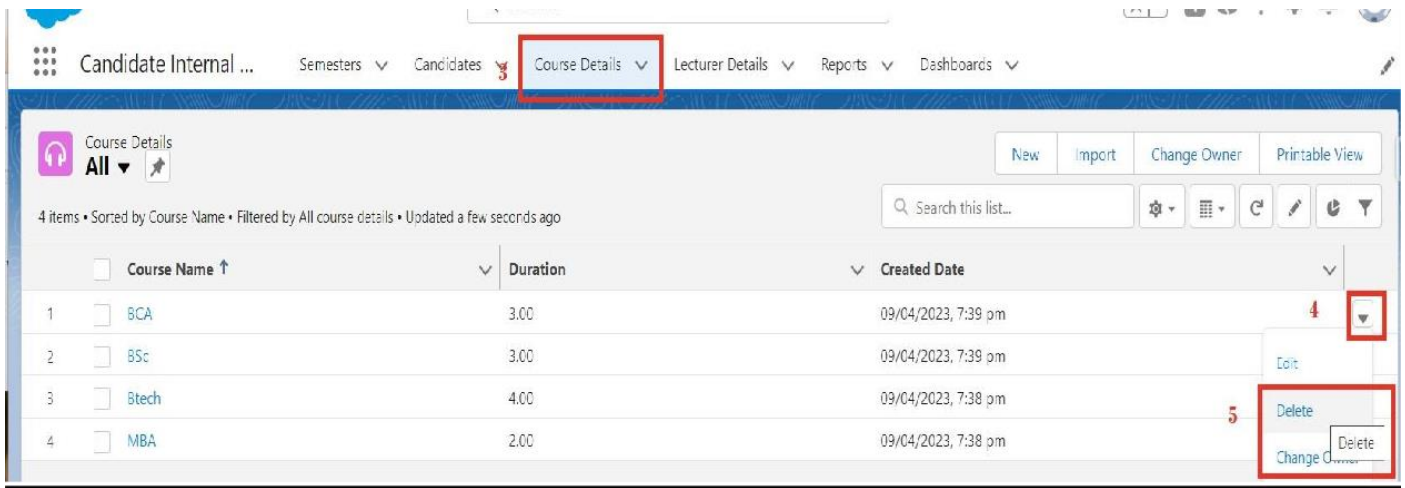


Apps

☒ Candidate Internal Result Card

Items

No results
View All



Milestone – 08: what are Reports?

What Are 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:

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.

Summary Reports:

It is the most commonly used type of report. It allows grouping of rows of data, view subtotal, and create charts.

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.

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 sub-report 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 report type 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:

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.

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 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:

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

Editor: With this access level, users can view .

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.

Create Report

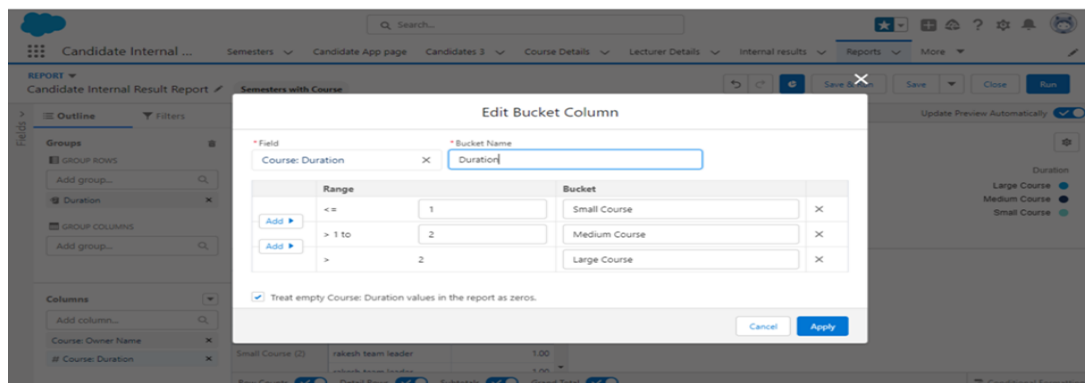
1. Click App Launcher
2. Select Candidate Internal Result Card App
3. Click reports tab
4. Click New Report.
5. Click the report type as Semesters with Course Click Start report.
6. Customize your report, in group rows select - Course Name, in group column Select Duration (In this way we are making a Matrix Report).
7. Click refresh
8. Click save and run
9. Give report name – Candidate Internal Result Report
10. Click Save

The top screenshot shows the Canvas LMS interface. The 'App Launcher' is open, and the 'Candidate Internal Result Card' app is selected. The 'Reports' tab is selected in the top navigation bar. The 'New Report' button is highlighted in the 'Reports' section.

The bottom screenshot shows the report builder interface. The 'Fields' pane on the left is open, and the 'GROUP ROWS' section is selected. The 'Course: Course Name' field is added to the 'GROUP ROWS' section. The 'GROUP COLUMNS' section is also open, and the 'Course: Duration' field is added. The 'Semesters with Course' report type is selected. The 'Save & Run' button is highlighted.

1. On the report builder page, locate the "Fields" pane on the left-hand side.
2. Find the field for which you want to create a bucket field and drag it to the report preview section.
3. Click on the field in the report preview to open the field properties.
4. In the field properties, locate the "Summarize" option and click the drop-down arrow.

5. Select "Bucket Field" from the available options.
6. In the bucket field settings, define the buckets based on your requirements. You can specify the bucket ranges, labels, and groupings.
7. Click "OK" or "Apply" to save the bucket field settings.
8. Customize the report layout and add any additional fields or filters as needed.
9. Once you are satisfied with the report setup, click "Save" to save the report.



Save Report

Report Name

Candidate Internal Result Report

Report Unique Name

Candidate_Internal_Result_Report_bkY

Report Description

Cancel

Save

View Report

1. Click on App Launcher on left side of screen.
2. Search Candidate Internal Result Card App & click on it.
3. Click on Reports Tab.
4. Click on Candidate Internal Result Report and see records.

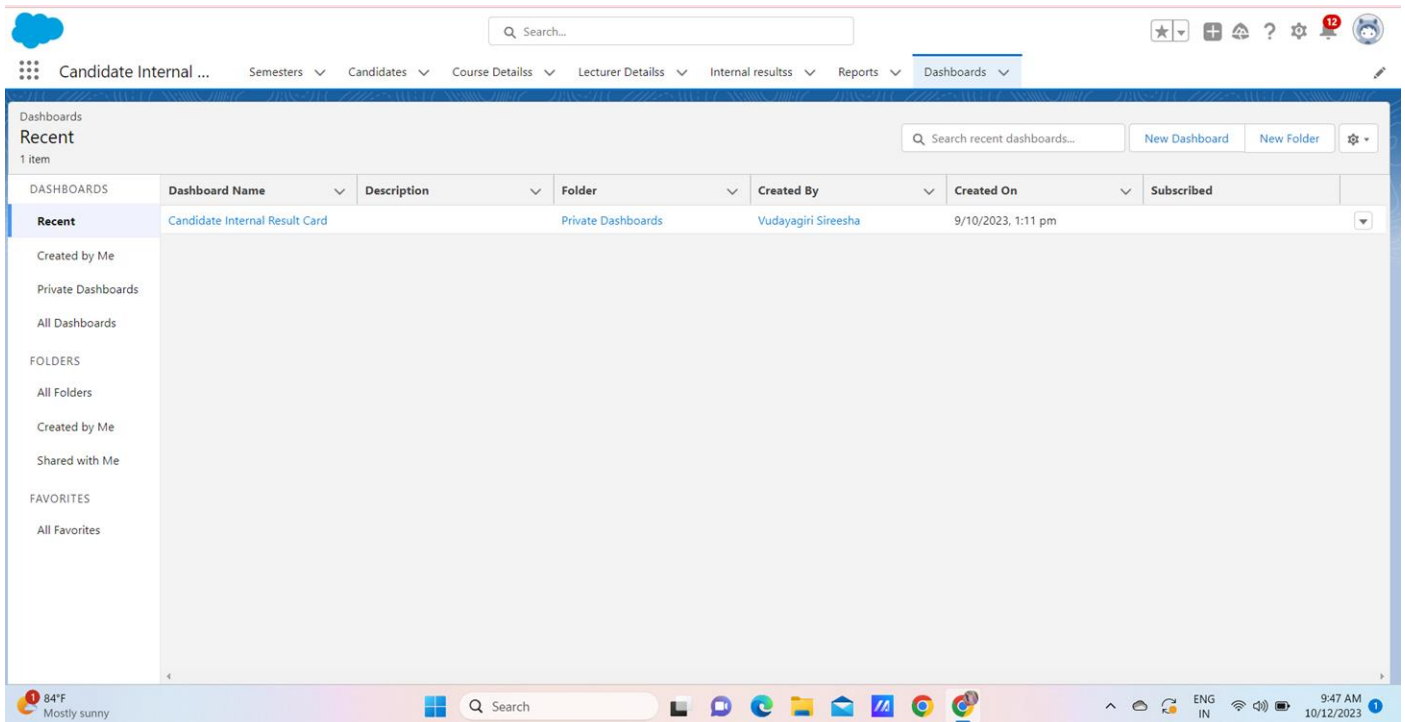
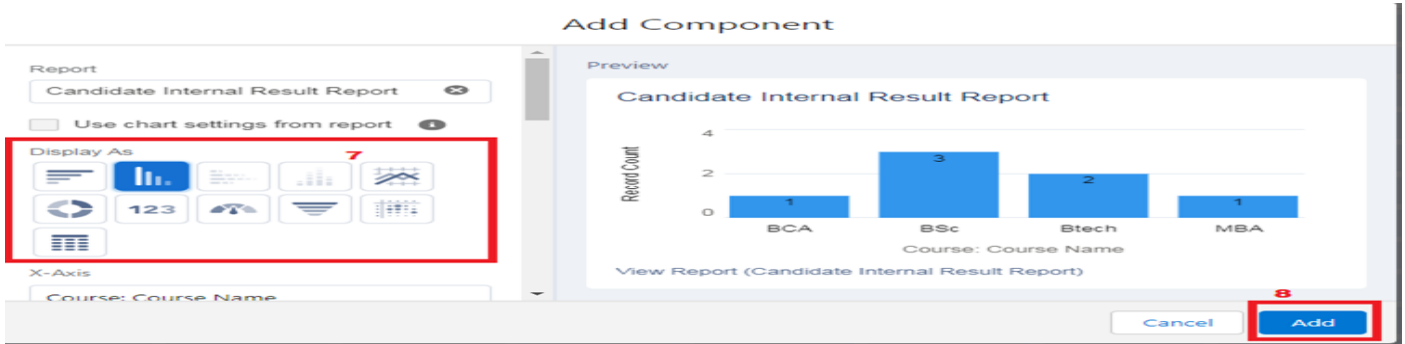
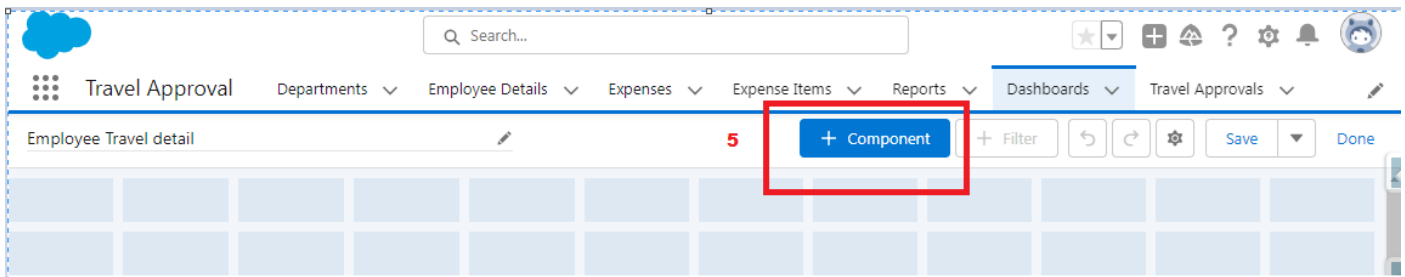
Dashboards

Dashboards let you curate data from reports using charts, tables, and metrics. If your colleagues need more information, then they are 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.

Create Dashboard

1. Click on Dashboards tab from the Candidate Internal Result Card application.
2. Click on new dashboard.
3. Give name- Candidate Internal Result Card
4. Click create
5. Give your dashboard a name and click on +component
6. Select the Candidate Internal Result 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.

The screenshot illustrates the steps to create a new dashboard. The top navigation bar includes tabs for Travel Approval, Departments, Employee Details, Expenses, Expense Items, Reports, Dashboards (highlighted with a red box and number 1), and Travel Approvals. Below the navigation bar, the 'Dashboards' section shows a 'Recent' list with 3 items. A 'New Dashboard' button is highlighted with a red box and number 2. The 'New Dashboard' form has a 'Name' field (highlighted with a red box and number 3) containing 'Candidate Internal Result Card |'. The 'Description' field is empty. The 'Folder' dropdown is set to 'Private Dashboards'. At the bottom, the 'Create' button is highlighted with a red box and number 4.



View Dashboard

1. Click on App Launcher on left side of 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

Setup Home Object Manager

Search: Candidate Internal Result Card

Apps

- CI Candidate Internal Result Card

Items 2

No results

View All

Candidate Internal ... Semesters Candidates Course Details Lecturer Details Reports **Dashboards** 3

Dashboards

Recent 8 items

Search recent dashboards...

New Dashboard New Folder

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Propertyts with Customer Name Report		Private Dashboards		8/4/2023, 12:58 pm	
Created by Me	Job application wtih candidate name		Private Dashboards		8/4/2023, 7:14 pm	
Private Dashboards	Events with Attendees		Private Dashboards		6/4/2023, 5:23 pm	
All Dashboards	Candidate Internal Result Card 4		Private Dashboards		9/4/2023, 8:00 pm	
FOLDERS	Travel Approval		Private Dashboards		1/4/2023, 12:58 pm	
All Folders	Employee Travel detail		Private Dashboards		8/4/2023, 12:22 pm	

Search...

Candidate Internal ... Semesters Candidates Course Details Lecturer Details Internal resultss Reports **Dashboards**

Candidate Internal Result Card

Candidate Internal Result Report

Course	Record Count
B.Tech	2
BCA	1
BSC	3
MBA	1

View Report (Candidate Internal Result Report)

THE END

