

**NAAN MUDHALVAN**

**PROJECT REPORT**

**on**

**[SALESFORCE]**

**IMPLEMENTING CRM FOR RESULT  
TRACKING OF A CANDIDATE WITH  
INTERNAL MARKS**

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## **Developer (Short Term)**

### **Introduction:**

"Implementing a CRM in Salesforce for Result Tracking of Candidates with Internal Marks" represents a comprehensive solution designed to transform the way candidate results are recorded, tracked, and managed.

### **Project Goals:**

- Streamline and modernize the process of tracking and managing candidate results, with a specific focus on internal marks.
- Enhance data accuracy and reliability by minimizing manual data entry and human errors.
- Improve accessibility to result tracking data for educational institutions, recruitment agencies, and HR departments.

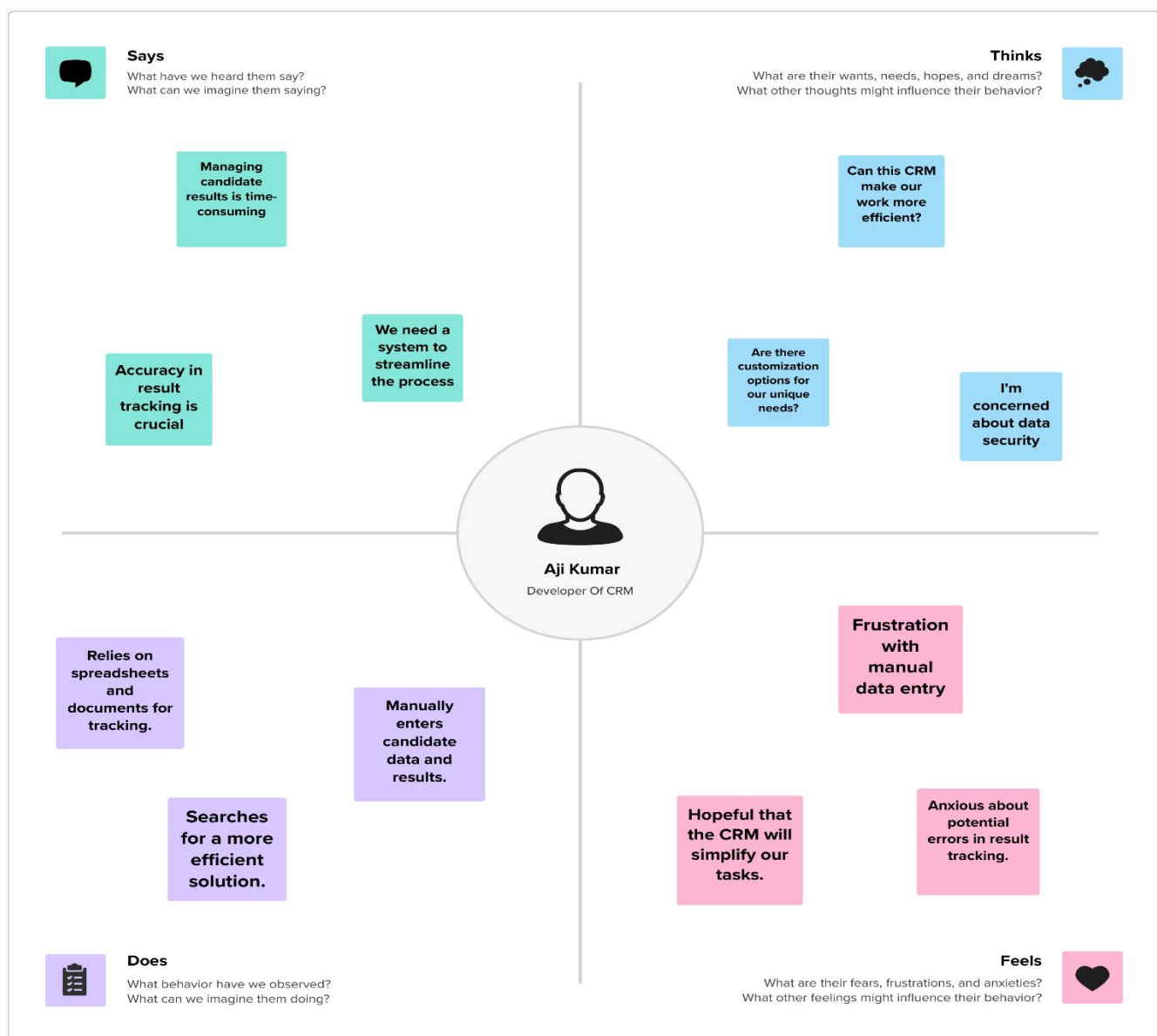
### **Scope:**

- Creation of a comprehensive CRM system in Salesforce.
- Automation of data entry, processing, and result tracking.
- User-friendly dashboard for real-time data access.

# Problem Definition & Design Thinking:

## Empathy Map:

Understanding the needs and pain points of users, including educators, HR professionals, and administrators, to create a user-focused system.



## Ideation & Brainstorming:

Generating creative solutions to address the identified challenges, using brainstorming and collaboration.

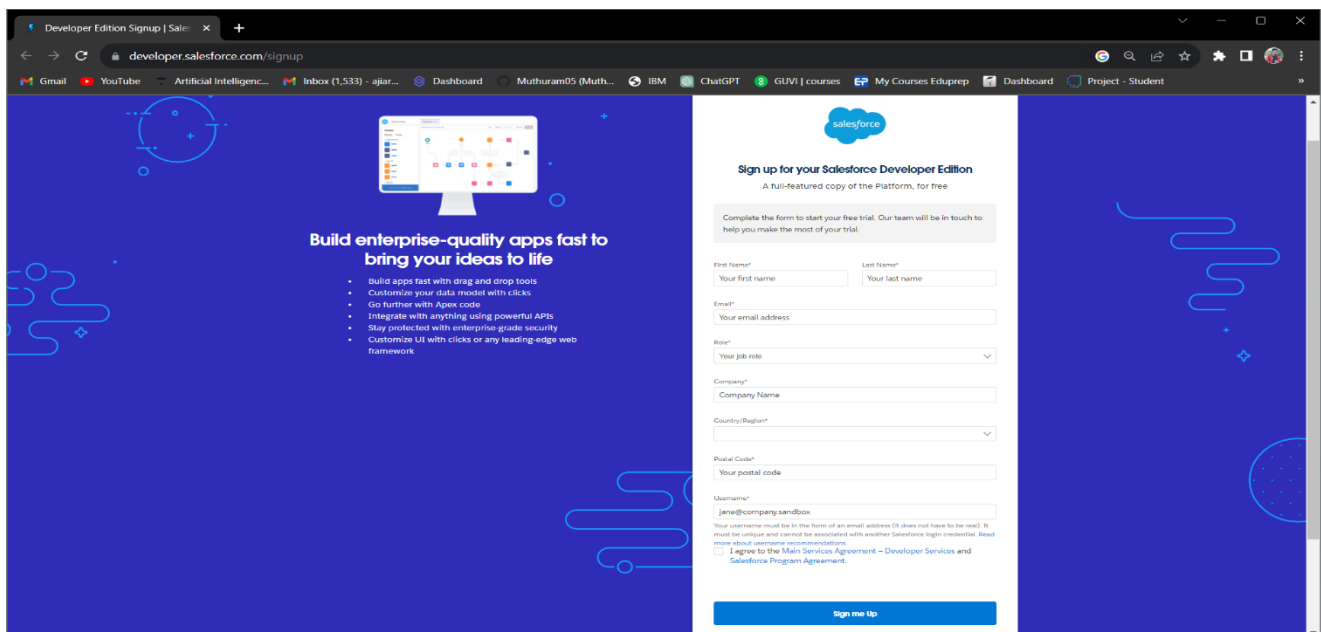
The image displays a collection of digital templates for business planning and productivity. The templates are arranged in a grid-like fashion, with some overlapping. The main templates visible are:

- Brainstorm & idea prioritization:** Features a central 'Brainstorm' section with a list of ideas, a 'Define your problem statement' section, and a 'Prioritize' section with a graph showing 'Importance' vs. 'Feasibility'.
- Define your problem statement:** Includes a section for 'Define your problem statement' and a 'Prioritize' section.
- Brainstorm:** A large section for brainstorming ideas, with a 'Define your problem statement' section and a 'Prioritize' section.
- Group ideas:** A section for grouping ideas, with a 'Define your problem statement' section and a 'Prioritize' section.
- Prioritize:** A section for prioritizing ideas, with a 'Define your problem statement' section and a 'Prioritize' section.

The templates are designed to be used in a digital workspace, with various elements like text boxes, tables, and graphs that can be interacted with. The overall theme is business planning and productivity.

## Milestone- 01 [Creation of developer account]

1. Go to [developers.salesforce.com/signup](https://developers.salesforce.com/signup)
2. Click on sign up.
3. On the sign up form, enter the following details:
  - a) First name: **Aji**
  - b) Last name: **Kumar**
  - c) Email: **ajiarartist2003@gmail.com**
  - d) Role: **Developer**
  - e) Company: **Ponjesly College of Engineering**
  - f) Country: **India**
  - g) Postal Code: **629180**
  - h) Username: **[ajikumar@ponjesly.sandbox](mailto:ajikumar@ponjesly.sandbox)**



The screenshot shows the Salesforce Developer Edition Sign up page. The page has a dark blue background with white text and a light blue Salesforce logo. On the left, there is a section titled "Build enterprise-quality apps fast to bring your ideas to life" with a list of bullet points. On the right, there is a sign-up form with the following fields: First Name, Last Name, Email, Role (dropdown), Company, Country/Region (dropdown), Postal Code, and Username. Below the Username field, there is a checkbox for "I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement". At the bottom right, there is a blue "Sign me up" button.

Developer Edition Signup | Sale... x +

developer.salesforce.com/signup

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Build enterprise-quality apps fast to bring your ideas to life

- Build apps fast with drag and drop tools
- Customize your data model with clicks
- Go further with Apex code
- Integrate with anything using powerful APIs
- Stay protected with enterprise-grade security
- Customize UI with clicks or any leading edge web framework

Sign up for your Salesforce Developer Edition

A full-featured copy of the Platform, for free

Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.

First Name\* Your first name

Last Name\* Your last name

Email\* Your email address

Role\* Your job role

Company\* Company Name

Country/Region\*

Postal Code\* Your postal code

Username\* jaiar@company.sandbox

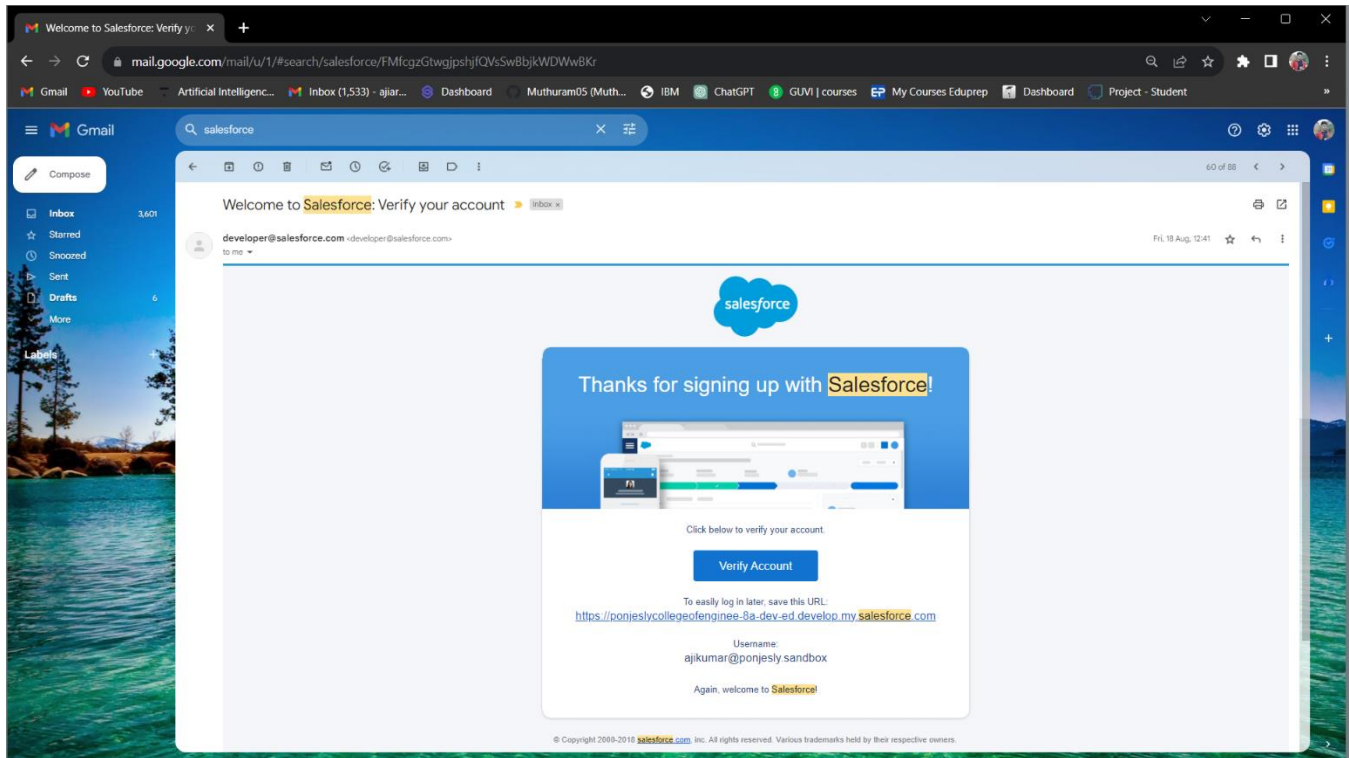
Your username must be in the form of an email address (it does not have to be real). It must be unique and cannot be associated with another Salesforce login username. Read more about username recommendations.

☐ I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement.

Sign me up

## Account Activation

Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account.




## Login to Your Salesforce Account

1. Go to [salesforce.com](https://www.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.

login | Salesforce

login.salesforce.com/?locale=in

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Username

ajikumar@ponjesly.sandbox

Password

\*\*\*\*\*

Log In

☐ Remember me

[Forgot Your Password?](#) [Use Custom Domain](#)

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ponjeslycollegeofenginee-8a-dev-ed.develop.lightning.force.com/lightning/setup/SetupOneHome/home

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Search Setup

SetupHomeObject Manager

Quick Find

Setup Home

Service Setup Assistant

Commerce Setup Center

Multi-Factor Authentication Assistant

Hyperforce Assistant

Release Updates

Lightning Experience Transition Assistant

Salesforce Mobile App

Lightning Usage

Optimizer

ADMINISTRATION

> Users

> Data

> Email

PLATFORM TOOLS

> Subscription Management

> Apps


> Feature Settings

> Slack

> MuleSoft

SETUP Home


Create



**Get Started with Einstein Bots**

Launch an AI-powered bot to automate your digital connections.

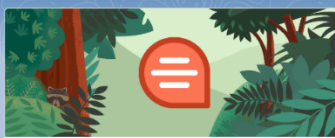
Get Started



**Mobile Publisher**

Use the Mobile Publisher to create your own branded mobile app.

Learn More



**Real-time Collaborative Docs**

Transform productivity with collaborative docs, spreadsheets, and slides inside Salesforce.

Get Started

Most Recently Used

10 Items

NAME	TYPE	OBJECT
<a href="#">Internalmarks</a>	Apex Trigger	<a href="#">Internal result</a>
<a href="#">InternalmarksHandler</a>	Apex Class	
<a href="#">Semester Name</a>	Custom Field Definition	<a href="#">Candidate</a>

## Milestone- 02 [Object Creation]

### Creating Custom Object:

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 Dropdown 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** and Click Save.

Create objects as **Semester, Candidate, Course Detail, Lecturer Detail** and **Internal result**.



# Object Name - Semester

The screenshot shows the Salesforce Object Manager interface for a custom object named 'Semester'. The left sidebar contains a 'Details' menu with options: 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, and Scoping Rules. The main content area is titled 'Edit Custom Object Semester' and includes a 'Custom Object Definition Edit' section with 'Save', 'Save & New', and 'Cancel' buttons. Below this is the 'Custom Object Information' section, which includes a warning: 'The singular and plural labels are used in tabs, page layouts, and reports. Be careful when changing the name or label as it may affect existing integrations and merge templates.' The form fields are: Label (Semester, Example: Account), Plural Label (Semesters, Example: Accounts), Starts with vowel sound (checkbox), Object Name (Semester, Example: Account), Description (text area), Context-Sensitive Help Setting (radio buttons for 'Open the standard Salesforce.com Help & Training window' and 'Open a window using a Visualforce page'), and Content Name (dropdown menu with 'None' selected). At the bottom is the 'Enter Record Name Label and Format' section with a warning: '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 required.' The browser's address bar shows the URL: 'ponjeslycollegeengineer-8a-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115j000002Fk0d/edit?address=%2F0115j000002Fk0d%2FURL%3D%252FSetup...'.

# Object Name - Candidate

The screenshot shows the Salesforce Object Manager interface for a custom object named 'Candidate'. The left sidebar contains a 'Details' menu with options: 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, and Scoping Rules. The main content area is titled 'Edit Custom Object Candidate' and includes a 'Custom Object Definition Edit' section with 'Save', 'Save & New', and 'Cancel' buttons. Below this is the 'Custom Object Information' section, which includes a warning: 'The singular and plural labels are used in tabs, page layouts, and reports. Be careful when changing the name or label as it may affect existing integrations and merge templates.' The form fields are: Label (Candidate, Example: Account), Plural Label (Candidates, Example: Accounts), Starts with vowel sound (checkbox), Object Name (Candidate, Example: Account), Description (text area), Context-Sensitive Help Setting (radio buttons for 'Open the standard Salesforce.com Help & Training window' and 'Open a window using a Visualforce page'), and Content Name (dropdown menu with 'None' selected). At the bottom is the 'Enter Record Name Label and Format' section with a warning: '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 required.' The browser's address bar shows the URL: 'ponjeslycollegeengineer-8a-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115j000002Fk0d/edit?address=%2F0115j000002Fk0d%2FURL%3D%252FSetup...'.

## Milestone- 03 [Tabs Creation]

1. Enter Tabs in Quick Find and select Tabs.
2. Under Custom Object Tabs, click New.
3. For Object, select Semester.
4. For Tab Style, select any icon.
5. Leave all defaults as is. Click Next, Next, and Save
6. In the same way create Tabs for all Custom Objects -Candidate, Course Details, Lecturer Details, Internal result.

The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with 'tabs' entered, and the 'User Interface' section is expanded, showing 'Rename Tabs and Labels' and 'Tabs'. The main content area is titled 'Edit Custom Object Tab Semesters' and includes a 'Help for this Page' link. Below the title, it says 'Fill in the fields below to define the custom tab.' The 'Custom Tab Definition Edit' section contains a table for 'Custom Object Tab Information' with the following details:

Field	Value
Tab Label	Semesters
Object	Semester
Tab Style	Chess piece

Below the table, there is an optional section for 'Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.' The 'Splash Page Custom Link' is set to '--None--'. There is also a 'Description' field with a text area. At the bottom, there are 'Save' and 'Cancel' buttons.

## Milestone- 04 [Create 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, Internal result, Reports, and Dashboards** and move them to Selected Items.
7. Click Next.
8. From Available Profiles, select System Administrator and move it to Selected Profiles. Click Save & Finish.

Candidate Internal Result Card

porjeslycollegeofenginee-8a-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02u5j0000007ocBAAQ&retUrl=https%3A%2F%2Fporjeslycollegeofenginee-8a-dev-ed...

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Lightning App BuilderApp SettingsPagesCandidate Internal Result CardHelp

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

User Profiles

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

\* App Name ⓘ  
Candidate Internal Result Card

\* Developer Name ⓘ  
Candidate\_Internal\_Result\_Card

Description ⓘ  
Enter a description...

App Branding

Image ⓘ  
Upload

Primary Color Hex Value ⓘ  
#0070D2

Org Theme Options  
☐ Use the app's image and color instead of the org's custom theme

App Launcher Preview

Candidate Internal Result Card

Lightning App Builder | Salesforce

porjeslycollegeofenginee-8a-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02u5j0000007ocBAAQ&retUrl=https%3A%2F%2Fporjeslycollegeofenginee-8a-de...

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Lightning App BuilderApp SettingsPagesCandidate Internal Result CardHelp

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

User Profiles

Navigation Items

Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

Available Items

Create

Type to filter list...

Accounts

Active Scratch Orgs

Alert Settings

All Sites

Alternative Payment Methods

Analytics

App Launcher

Appointment Categories

Appointment Invitations

Approval Requests

Asset Action Sources

Asset Actions

Asset State Periods

Selected Items

Semesters

Candidate App page

Candidates

Course Details

Lecturer Details

Internal results

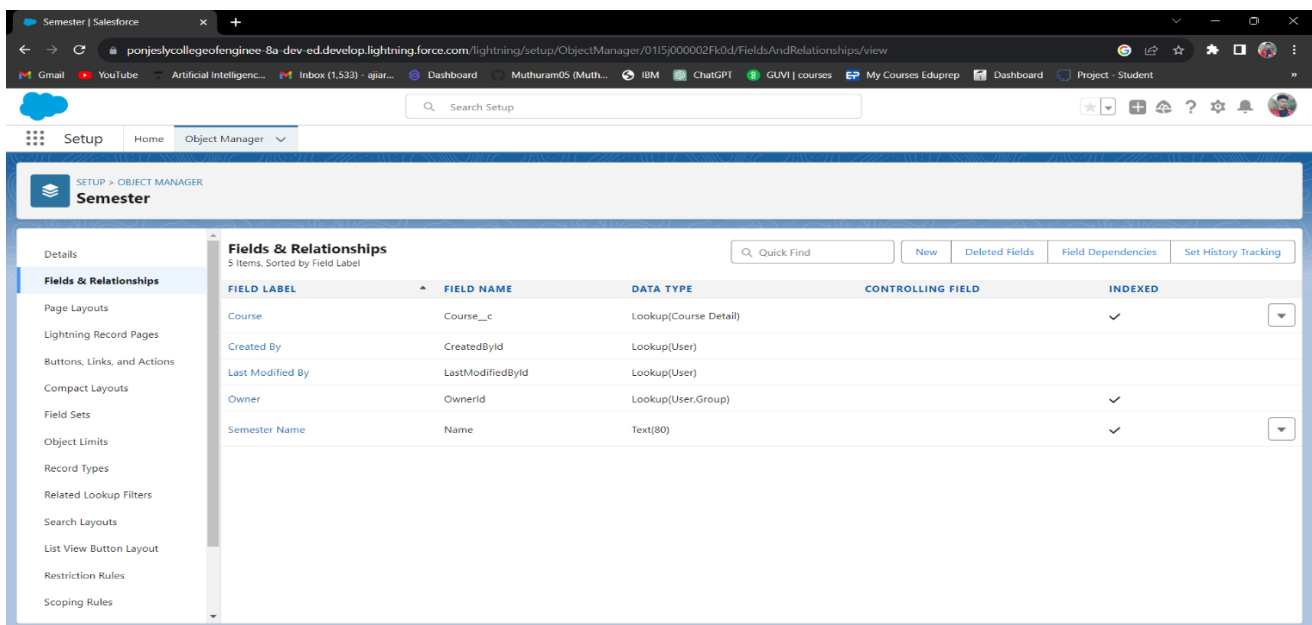
Reports

Dashboards

## Milestone- 05[Fields & Relationships]

### Creation of Text Field for the “Semester” 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 **Semester**
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 **Semester Name**
8. Enter Length 80
9. Click Next, Next, then Save & New.

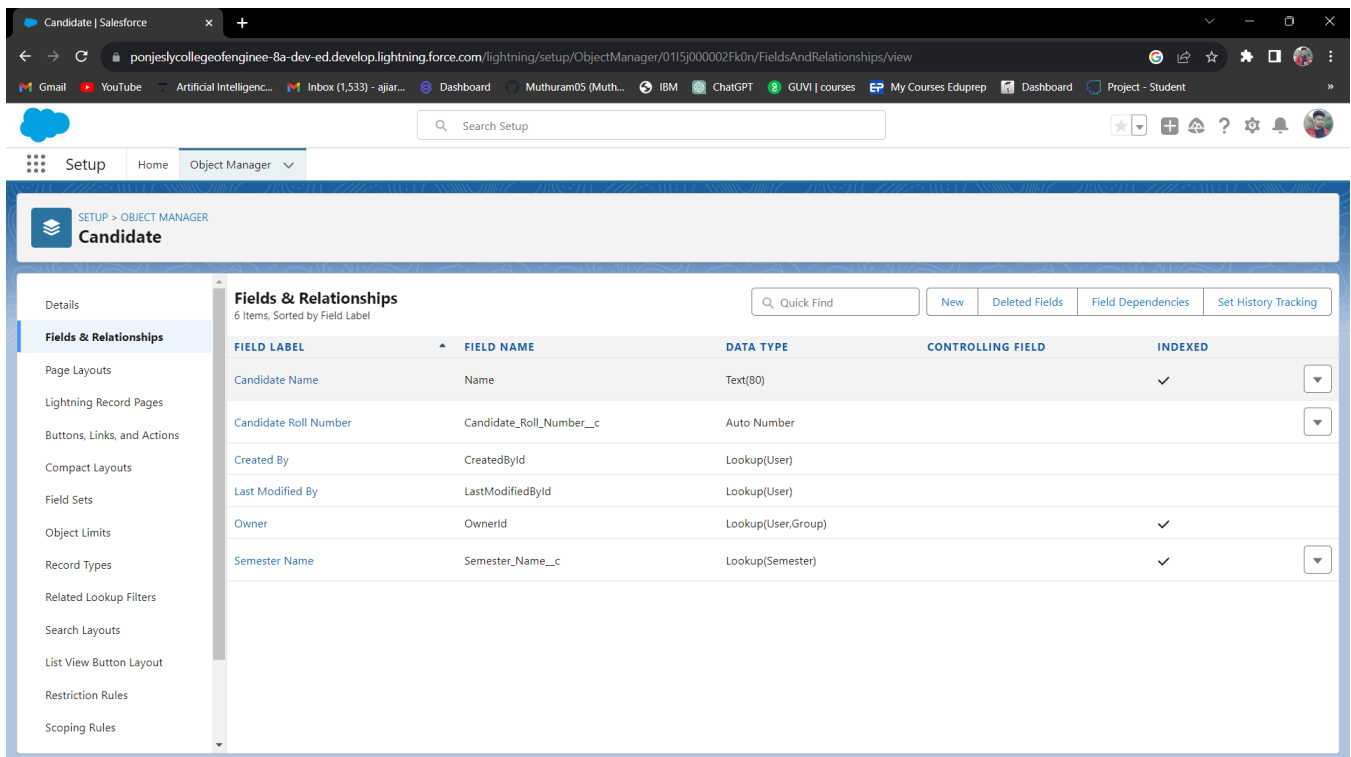


The screenshot shows the Salesforce Setup interface for the 'Semester' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled 'Fields & Relationships' and displays a table of fields for the 'Semester' object. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The 'Semester Name' field is highlighted in blue, indicating it is the selected field for editing.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course	Course__c	Lookup(Course Detail)		✓
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Semester Name	Name	Text(80)		✓

## Creation of Auto Number 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 **Candidate**
4. Select Fields & Relationships from the left navigation
5. Click New
6. Select the **Auto Number** as the Data Type, click next.
7. For Field Label, enter **Candidate Roll Number**
8. Give a Display Format.
9. Click Next, Next, then Save & New.



The screenshot shows the Salesforce Setup interface for the 'Candidate' object. The left sidebar lists navigation options: Details, Fields & Relationships (selected), 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, and Scoping Rules. The main content area is titled 'Fields & Relationships' and shows a table of 6 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Candidate Name (Text(80)), Candidate Roll Number (Auto Number), Created By (Lookup(User)), Last Modified By (Lookup(User)), Owner (Lookup(User,Group)), and Semester Name (Lookup(Semester)).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate Name	Name	Text(80)		✓
Candidate Roll Number	Candidate_Roll_Number__c	Auto Number		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Semester Name	Semester_Name__c	Lookup(Semester)		✓

## Creation of Formula for the “Internal result” 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 result**.
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. Insert formula **Candidate\_\_r.Candidate\_Roll\_Number\_\_c**, and then click insert.
11. Click Next, Next, then Save.

## Creation of Number for the “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

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

The screenshot shows the Salesforce Setup interface for the 'Internal result' object. The 'Fields & Relationships' section is active, displaying a table of 9 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are: Candidate, Candidate Roll Number, Course, Created By, Internal result Name, Last Modified By, Marks, Owner, and Status.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate	Candidate__c	Lookup(Candidate)		✓
Candidate Roll Number	Candidate_Roll_Number__c	Formula (Text)		
Course	Course__c	Lookup(Course Detail)		✓
Created By	CreatedById	Lookup(User)		
Internal result Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(3, 1)		
Owner	OwnerId	Lookup(User,Group)		✓
Status	Status__c	Picklist		

The screenshot shows the Salesforce Setup interface for the 'Course Detail' object. The 'Fields & Relationships' section is active, displaying a table of 5 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are: Course Name, Created By, Duration, Last Modified By, and Owner.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Duration	Duration__c	Number(1, 2)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓



## Milestone- 06[User]

### 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
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.

The screenshot shows the Salesforce Setup interface for creating a new user. The left sidebar contains a search bar and a list of setup categories: Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, and Feature Settings. The 'Users' category is selected. The main content area is titled 'Class Teacher' and displays the 'User Detail' form. The form includes fields for Name (Class Teacher), Alias (cteach), Email (ajabshah1@gmail.com), Username (ajabshah1@gmail.com), Nickname (class), Title, Company, Department, Division, Address, Time Zone (GMT+05:30 India Standard Time (Asia/Kolkata)), Locale (English (India)), Language (English), Delegated Approver, Manager, Receive Approval Request Emails (Only if I am an approver), Federation ID, and App Registration: One-Time Password Authenticator. The 'Role' field is set to 'Salesforce', and the 'User License' is 'Standard User'. The 'Profile' is 'Standard User'. The 'Active' checkbox is checked. The 'Marketing User', 'Offline User', 'Knowledge User', 'Flow User', 'Service Cloud User', 'Site.com Contributor User', 'Site.com Publisher User', 'WDC User', 'Mobile Push Registrations', 'Data.com User Type', 'Accessibility Mode (Classic Only)', 'Debug Mode', 'High-Contrast Palette on Charts', and 'Load Lightning Pages While Scrolling' checkboxes are unchecked. The 'Load Lightning Pages While Scrolling' checkbox is checked.

User Detail	
Name	Class Teacher
Alias	cteach
Email	ajabshah1@gmail.com (Verified)
Username	ajabshah1@gmail.com
Nickname	class
Title	
Company	
Department	
Division	
Address	
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)
Locale	English (India)
Language	English
Delegated Approver	
Manager	
Receive Approval Request Emails	Only if I am an approver
Federation ID	
App Registration: One-Time Password Authenticator	
Role	Salesforce
User License	Standard User
Profile	Standard User
Active	<input checked="" type="checkbox"/>
Marketing User	<input type="checkbox"/>
Offline User	<input type="checkbox"/>
Knowledge User	<input type="checkbox"/>
Flow User	<input type="checkbox"/>
Service Cloud User	<input type="checkbox"/>
Site.com Contributor User	<input type="checkbox"/>
Site.com Publisher User	<input type="checkbox"/>
WDC User	<input type="checkbox"/>
Mobile Push Registrations	<input type="checkbox"/>
Data.com User Type	<input type="checkbox"/>
Accessibility Mode (Classic Only)	<input type="checkbox"/>
Debug Mode	<input type="checkbox"/>
High-Contrast Palette on Charts	<input type="checkbox"/>
Load Lightning Pages While Scrolling	<input checked="" type="checkbox"/>

## Milestone- 07[User Adoption]

### Create Record (Course Details)

1. Click on App Launcher on left side of screen.
2. Search **Candidate Internal Result Card** App & click on.
3. Click on **Course Details** tab.
4. Click new button
5. Fill all **Course Details** record details.
6. Click on Save Button.

The screenshot shows a Salesforce interface with a 'New Course Detail' modal open. The modal contains the following fields:

- Course Name:** BTEch
- Duration:** 4
- Owner:** Aji Kumar

Buttons at the bottom of the modal: Cancel, Save & New, Save.

The background shows the 'Course Details' tab with a list of courses:

	Course Name
1	MTech
2	MBA
3	BTech

## Create Record (Internal Results)

1. Click on App Launcher on left side of screen.
2. Search **Candidate Internal Result Card** App & click on.
3. Click on **Internal Result** tab.
4. Click new button
5. Fill all record details.
6. Click on Save Button.

The screenshot displays the Salesforce interface for creating a new 'Internal result' record. The form is titled 'New Internal result' and is located in the 'Internal results' tab. The form contains the following fields:

- Internal result Name:** A required field (indicated by an asterisk) with the value 'Semester'.
- Candidate:** A field with the value 'Aji Kumar P S'.
- Course:** A field with the value 'BTech'.
- Marks:** A field with the value '480'.
- Status:** A dropdown menu with the value 'None--'.
- Owner:** A field showing the user 'Aji Kumar'.

The form has three buttons at the bottom: 'Cancel', 'Save & New', and 'Save'. The background shows a list of 'Internal result' records with columns for 'Internal result Name' and 'Semester'.

## Milestone- 08[Reports]

1. Click App Launcher
2. Select **Candidate Internal Result Card App**
3. Click reports tab and click new.
4. Click the report type as Internal Result with Candidate  
Click **Start report**.
5. Customize your report, in group rows select - **Candidate Name**, in group column Select **Marks and Status**
6. Click save and run
7. Give report name – **Candidate Internal Result Report** and Click Save.

Candidate Internal Result Report

Report: Internal results with Candidate  
**Candidate Internal Result Report**

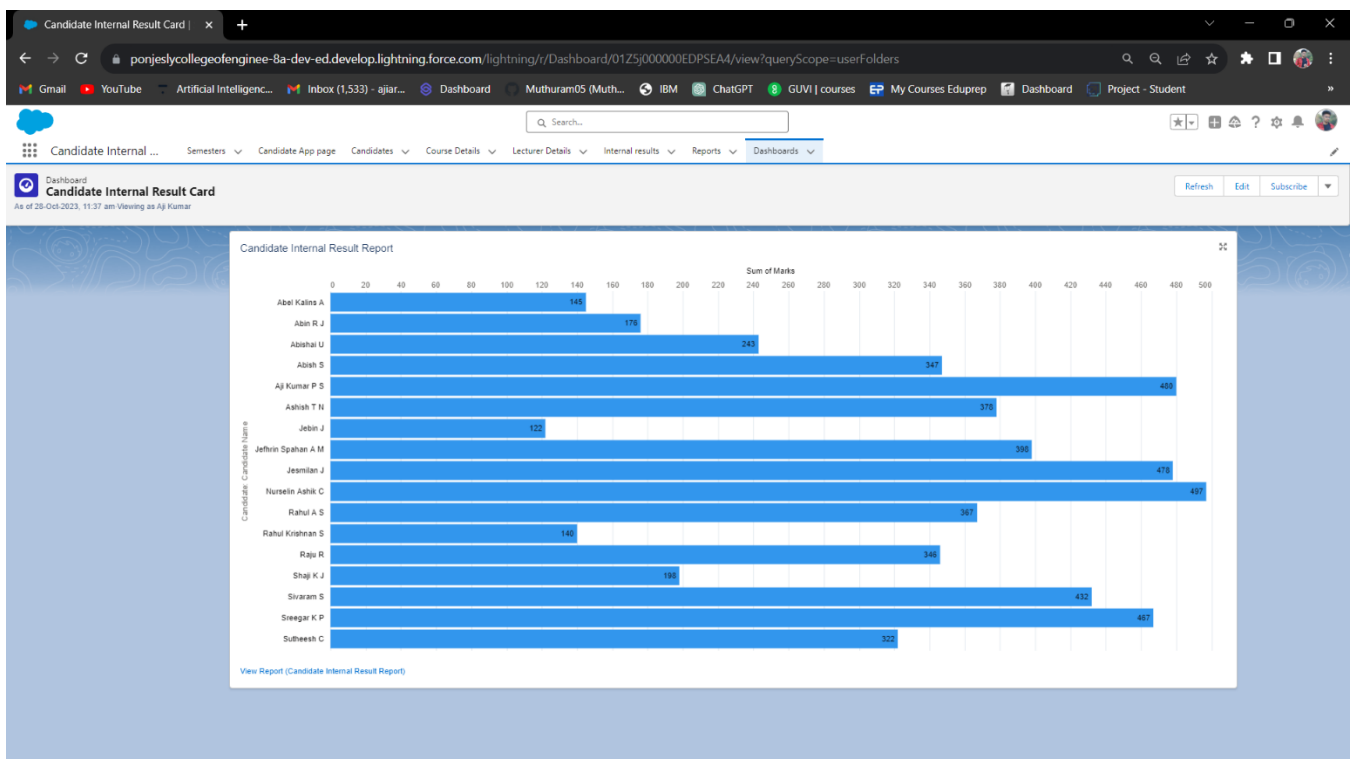
Total Records: 17, Total Marks: 5,536.0

Candidate: Candidate Name	Marks	Status
<input type="checkbox"/> Abel Kalina A (1)	145.0	Fail
Subtotal	145.0	
<input type="checkbox"/> Abin R J (1)	176.0	Fail
Subtotal	176.0	
<input type="checkbox"/> Abishai U (1)	243.0	Pass
Subtotal	243.0	
<input type="checkbox"/> Abish S (1)	347.0	Pass
Subtotal	347.0	
<input type="checkbox"/> Aji Kumar P S (1)	480.0	Pass
Subtotal	480.0	
<input type="checkbox"/> Ashan T N (1)	378.0	Pass
Subtotal	378.0	
<input type="checkbox"/> Jabin J (1)	122.0	Fail
Subtotal	122.0	
<input type="checkbox"/> Jethrin Spahan A M (1)	398.0	Pass
Subtotal	398.0	
<input type="checkbox"/> Jesmian J (1)	478.0	Pass
Subtotal	478.0	
<input type="checkbox"/> Nursein Ashik C (1)	497.0	Pass
Subtotal	497.0	
<input type="checkbox"/> Rahul A S (1)	367.0	Pass
Subtotal	367.0	
<input type="checkbox"/> Rahul Krishnan S (1)	140.0	Fail

Row Counts: ☒ Detail Rows: ☒ Subtotals: ☒ Grand Total: ☒

## Milestone- 09[Dashboards]

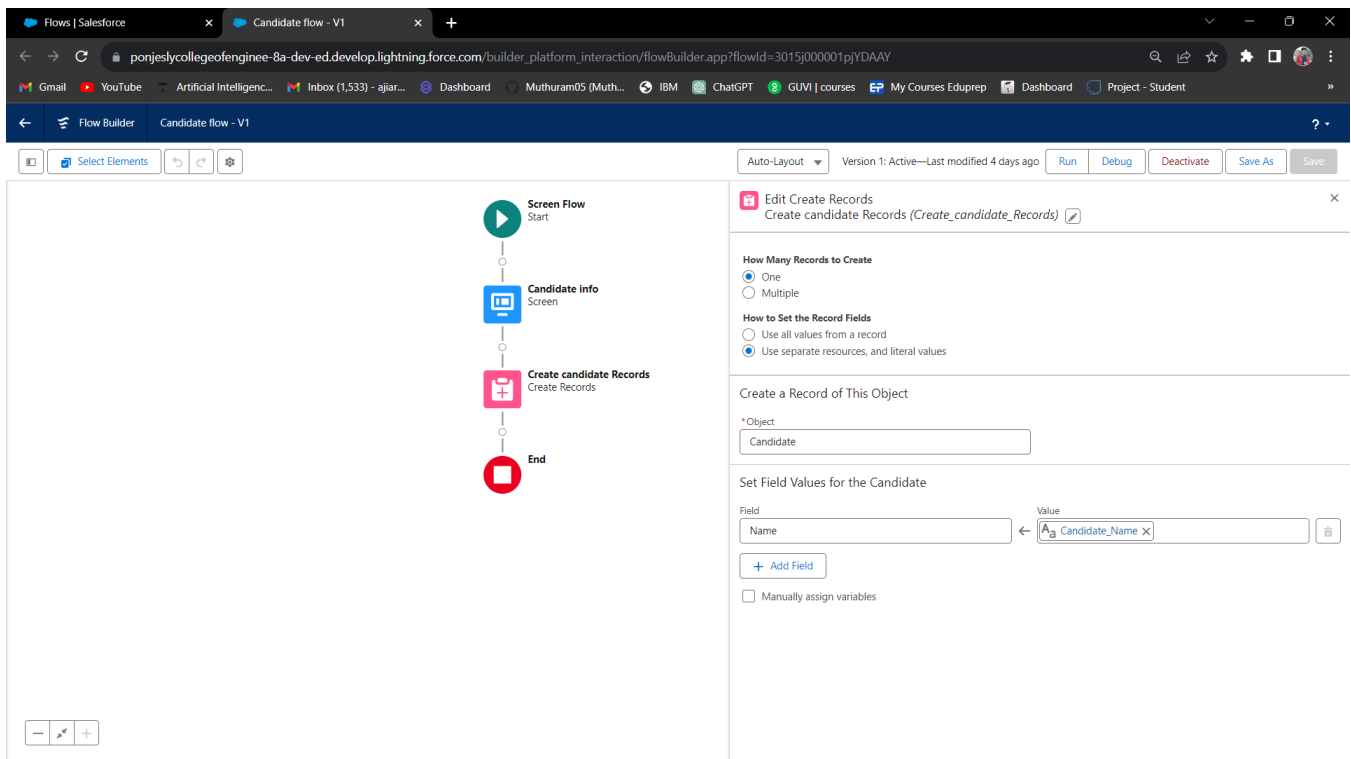
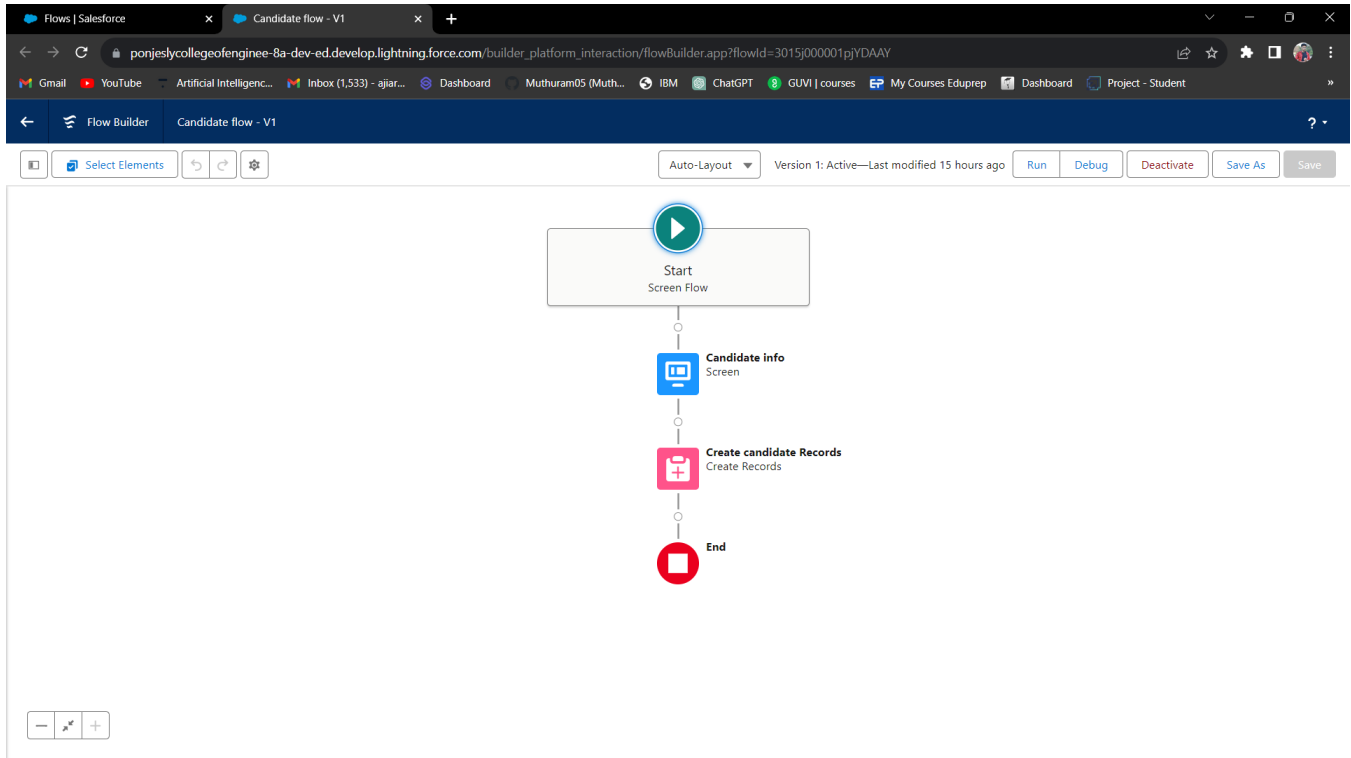
1. Click on Dashboards tab from the Candidate Internal Result Card App.
2. Click on new dashboard.
3. Give name- **Candidate Internal Result Card** and create.
4. Give your dashboard a name and click on +component
5. Select the **Candidate Internal Result Report** you created.
6. For the data visualization select any of the chart, table etc.
7. Click add and save.



## **Milestone- 10[Screen Flow]**

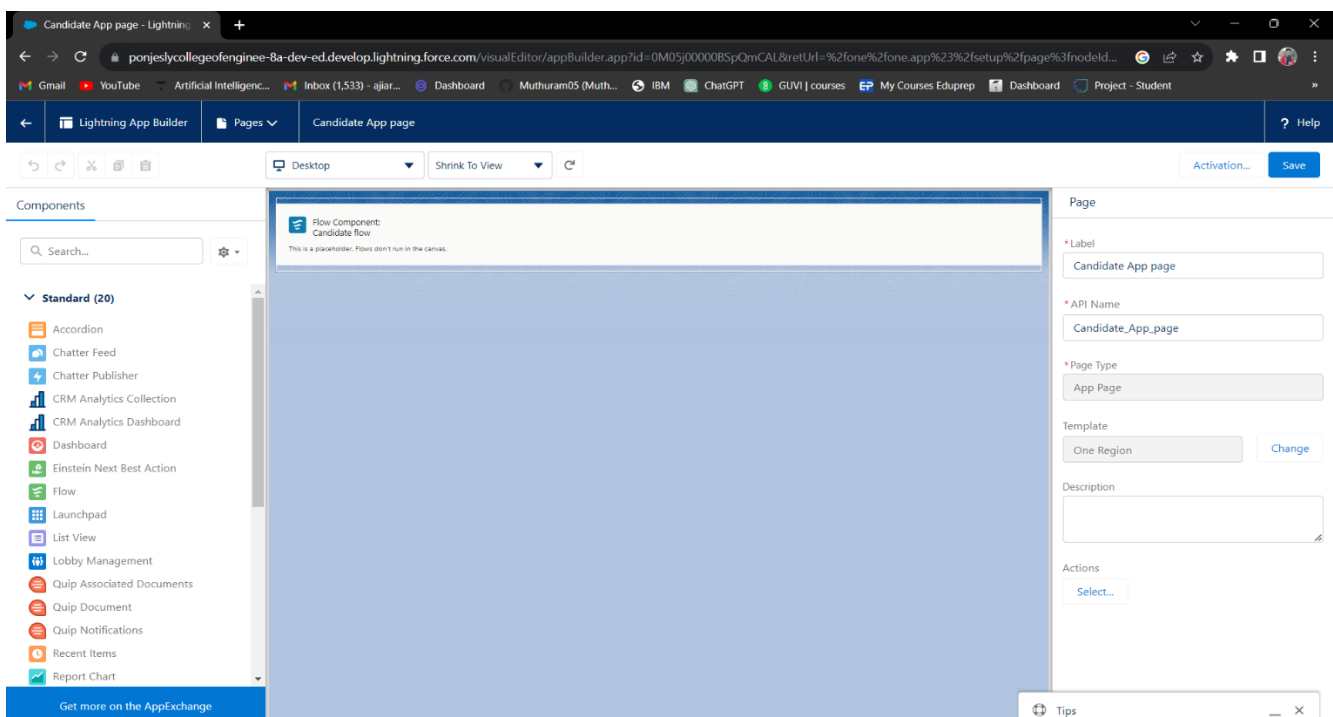
1. Click on Gear icon and select setup
2. In Quick find Box enter flow and select the flows
3. Click on New flow and Select Screen flow
4. It will open the canvas. Select (+)
5. Select the screen element from the drop down.
6. It will open the dialog box. Now give the label **name**  
**Candidate info.**
7. In search Component type text and drag the text component  
to canvas and give the label **Candidate Name**
8. Select (+) and Create records and select the create records
9. Give Label as **Create Candidate Records.**
10. Then check the use separate resources and literal values
11. Search for candidate object
12. Under field type name and select the **Name** and select the  
**Candidate\_Name.**
13. Click on Done and Save.

## 14. Give the Flow Name as **Candidate flow** and Activate.



## Milestone- 11[App Page]

1. Click on the Gear icon and select set up
2. In Quick Find Box Type App Builder and select the lightning app builder and Select New
3. Select the App page and click on Next
4. Give the label Name as **Candidate App page**.
5. Select the one region and click on finish.
6. Type the flow in the search bar and select the flow component and drag the component
7. After dragging the component, give the flow label as **Candidate Flow** click on activate.





## Milestone- 12[Apex Classes and Triggers]

### Creating Apex Classes

1. Go to the gear icon and select the developer console.
2. From the menu bar click on file and select Apex class.
3. Now give the class name as InternalmarksHandler
4. Now write the below code

```
public class InternalmarksHandler {  
    public static void beforeinsert(list<Internal_result__c >  
newlist){  
  
        for(Internal_result__c internalmarks : newlist){  
            if(internalmarks.marks__c >= 200){  
                internalmarks.status__c = 'Pass';  
            }else{  
                internalmarks.status__c='fail';  
            }  
        }  
    }  
}
```

# Creating Apex Triggers

1. From the menu bar click on file and select Apex trigger.
2. Now give the trigger name as Internalmarks
3. Now write the below code

trigger Internalmarks on Internal\_result\_\_c (before insert,after update) {

    If(trigger.isInsert){

        If(trigger.isBefore){

            InternalmarksHandler.beforeinsert(Trigger.new);

        }}

The screenshot shows the Salesforce 'Apex Triggers' setup page for a trigger named 'Internalmarks'. The trigger is configured for the 'Internal\_result\_\_c' object type and is active. The code editor displays the following Apex code:

```
1 trigger Internalmarks on Internal_result__c (before insert,after update)
2 {
3 {
4     If(trigger.isInsert)
5     {
6     {
7     {
8     {
9     {
10    {
11    {
12    {
13    InternalmarksHandler.beforeinsert(Trigger.new);
14    }
15    }
16    }
17    }
18    }
19 }
```

Demo Video Link:

[https://drive.google.com/file/d/1V4ZXN5xmRM5ie06EhHolGPWU5yPqM9LO/view?usp=drive link](https://drive.google.com/file/d/1V4ZXN5xmRM5ie06EhHolGPWU5yPqM9LO/view?usp=drive_link)

Trailhead Url:

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Team Member1: Rahul A S

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Team Member2: Abish S

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Team Member3: Shaji K J

<https://www.salesforce.com/trailblazer/shajikj>