

**NAAN MUDHALVAN**  
**SALESFORCE DEVELOPER PROJECT REPORT**

**PROJECT TITLE: RECRUITING ASSISTANCE FOR THE HR MANAGERS**

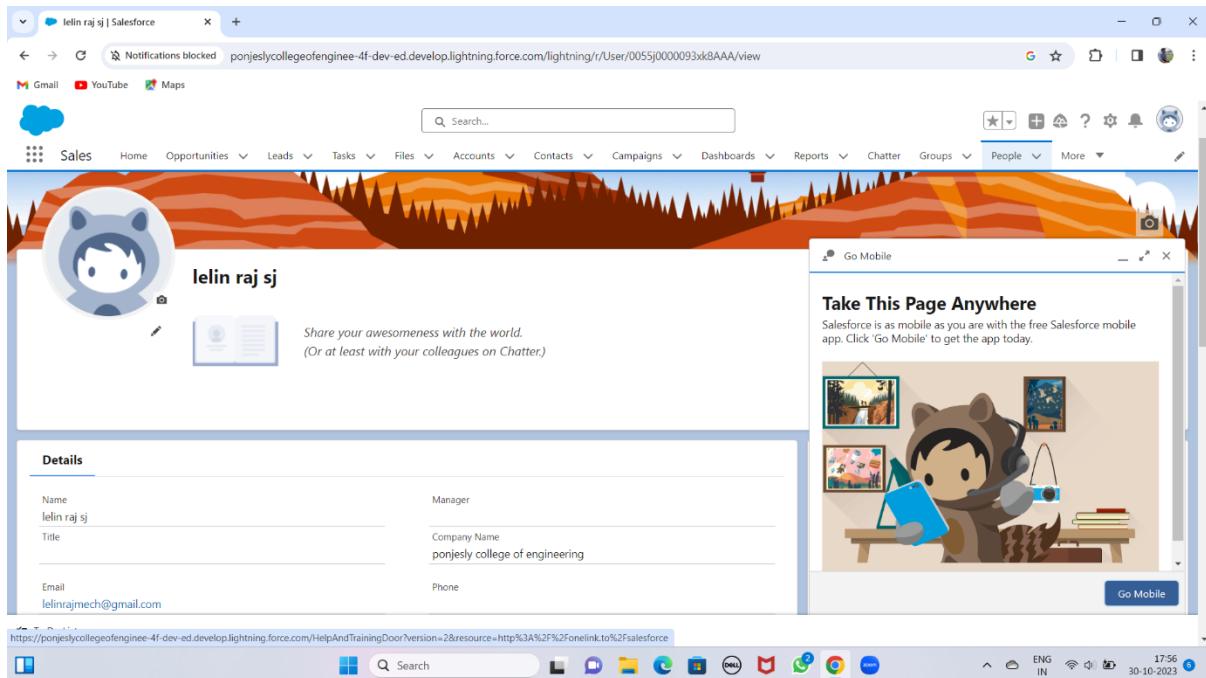
**DONE BY :**

**LELIN RAJ S J**

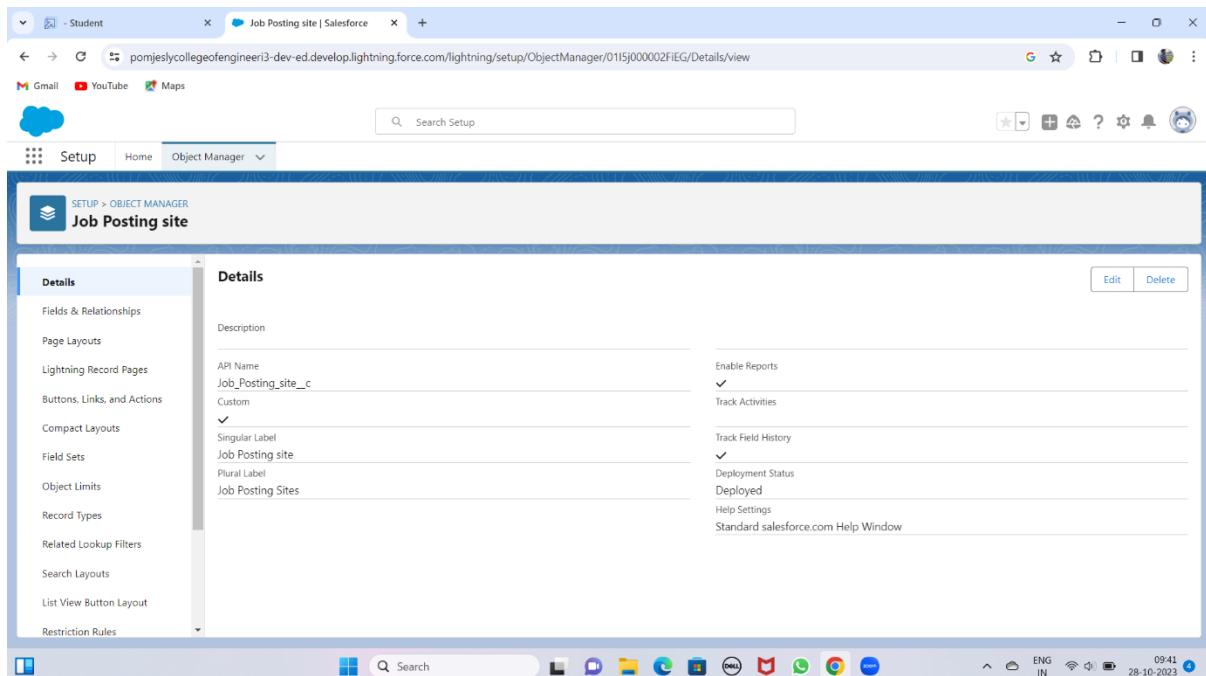
**REG NO : 961820114045**

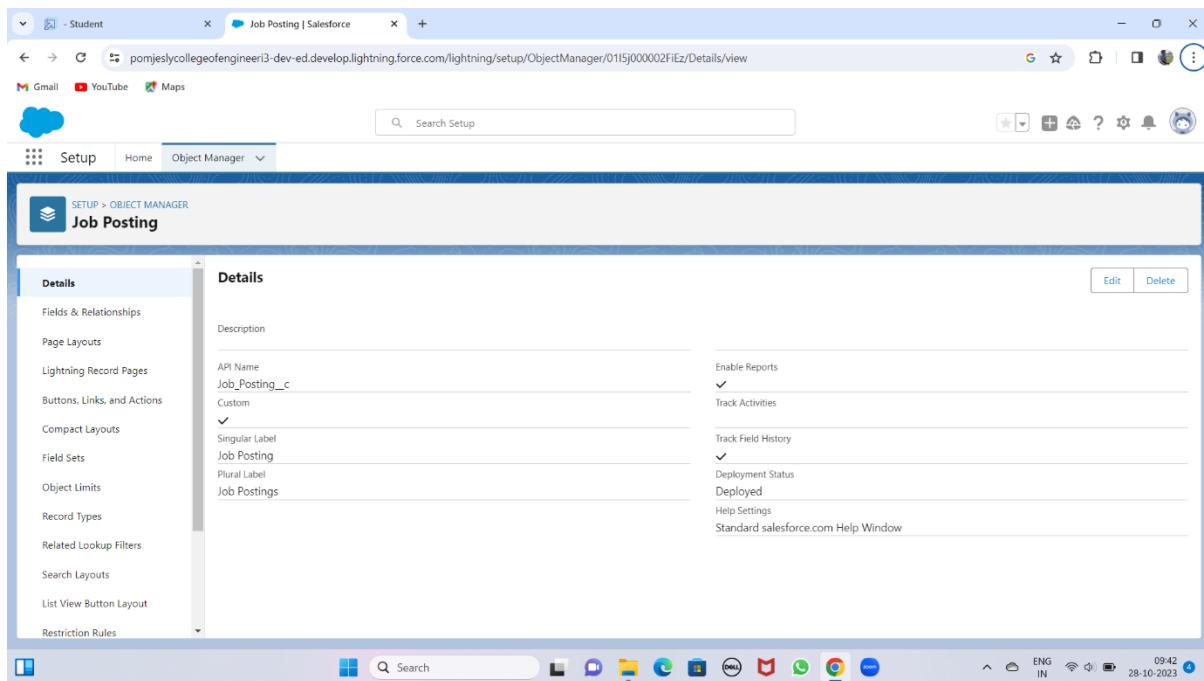
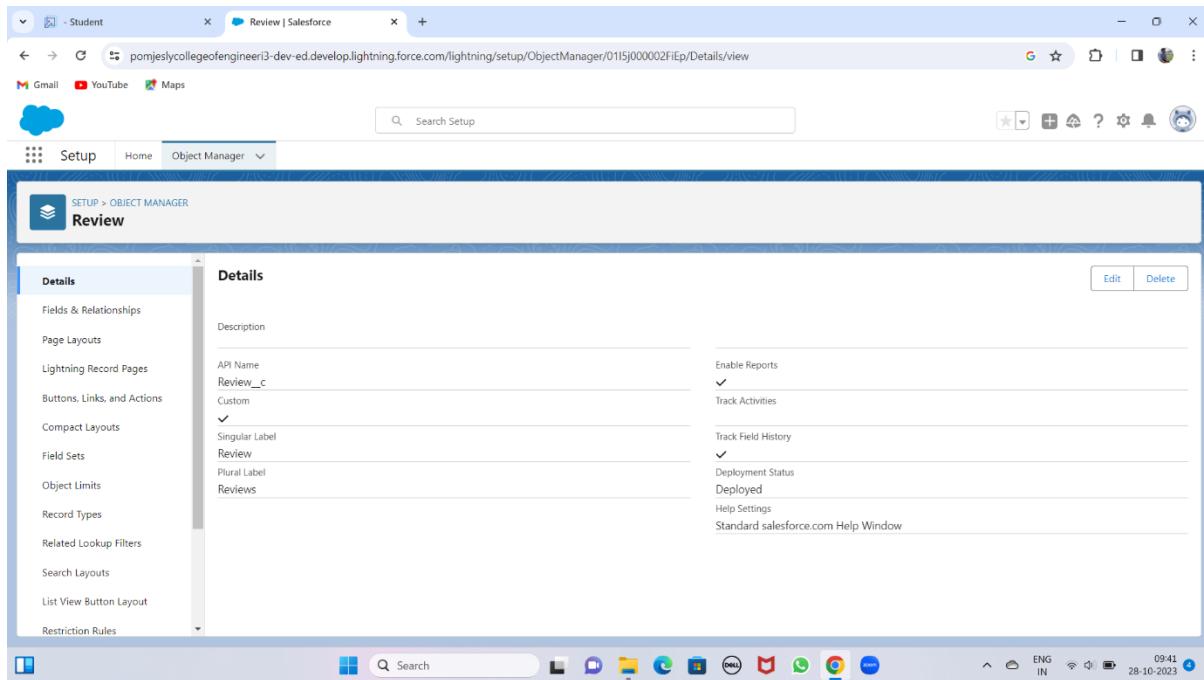
**NM ID : 21D173337F5A548A56A448107220A4C7**

# Step 1: Create a Salesforce Account



# Step 2 : Create the Objects (Job Posting Site, Review, Job Posting)





## Step 3 : Create the Tabs for Each Objects( Job Posting, Reviews, Job Posting Sites)

The screenshot shows the Salesforce Setup interface with the 'Tabs' page selected. A custom object tab named 'Job Postings' is being edited. The tab label is 'Job Postings', the object is 'Job Posting', and the tab style is 'People'. The tab was created by 'Joestick S' on 19/10/2023 at 9:38 pm.

Custom Tab Definition Detail

Tab Label	Object	Created By	Modified By
Job Postings	Job Posting	Joestick S 19/10/2023, 9:38 pm	Joestick S 19/10/2023, 9:38 pm

The screenshot shows the Salesforce Setup interface with the 'Tabs' page selected. A custom object tab named 'Reviews' is being edited. The tab label is 'Reviews', the object is 'Review', and the tab style is 'Car'. The tab was created by 'Joestick S' on 19/10/2023 at 9:37 pm.

Custom Tab Definition Detail

Tab Label	Object	Created By	Modified By
Reviews	Review	Joestick S 19/10/2023, 9:37 pm	Joestick S 19/10/2023, 9:37 pm

The screenshot shows the Salesforce Setup interface with the 'Tabs' tab selected. The main content area displays a 'Custom Object Tab' named 'Job Posting Sites'. The 'Custom Tab Definition Detail' section shows the following information:

Custom Tab Definition Detail
Tab Label: Job Posting Sites
Object: Job_Posting_Site
Description:
Created By: joestick S 19/10/2023, 9:08 pm
Modified By: joestick S 19/10/2023, 9:33 pm
Tab Style: Real Estate Sign

The left sidebar shows the 'User Interface' section with 'Tabs' selected. The bottom status bar indicates the date as 28-10-2023 and the time as 09:57.

## Step 4 : Create a Lightning App

The screenshot shows the Salesforce Setup interface with the 'App Launcher' tab selected. The main content area displays a grid of available apps:

NAME	TYPE	OBJECT
Service	Manage customer service with accounts, contacts, cases, and more	
Marketing	Best-in-class on-demand marketing automation	
Community	Salesforce CRM Communities	
Salesforce Chatter	The Salesforce Chatter social network, including profiles and feeds	
Content	Salesforce CRM Content	
Sales Console	(Lightning Experience) Lets sales reps work with multiple records on one screen	
Service Console	(Lightning Experience) Lets support agents work with multiple records across customer service...	
Sales	Manage your sales process with accounts, leads, opportunities, and more	
Lightning Usage App	View Adoption and Usage Metrics for Lightning Experience	
Digital Experiences	Manage content and media for all of your sites.	
Salesforce Scheduler Setup	Set up personalized appointment scheduling.	
Bolt Solutions	Discover and manage business solutions designed for your industry.	

The left sidebar shows the 'Setup Home' section with various categories like Commerce, Multi-Factor Authentication, Hyperforce, Release Updates, Lightning Experience Assistant, Salesforce, and ADMINISTRATOR. The bottom status bar indicates the date as 28-10-2023 and the time as 10:01.

## Step 5 : Create Fields and Relationship for Respective Objects( Job Posting, Reviews, Job Posting Sites, Postition)

The screenshot shows the Salesforce Object Manager for the 'Job Posting' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays a table titled 'Fields & Relationships' with 11 items. The columns show Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Key fields include 'Created By' (CreatedBy), 'Interviewer' (Interviewer\_\_c), 'Job Application' (Account\_\_c), 'Job posting number' (Name), 'Job Posting site' (Job\_Posting\_site\_\_c), 'Last Modified By' (LastModifiedBy), 'Position' (Position\_\_c), 'Reason Recommended' (Reason\_Recommended\_\_c), 'Recommend for Hire' (Recommend\_for\_Hire\_\_c), and 'Recommend for Hire' (Recommend\_for\_Hire\_\_c).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Interviewer	Interviewer__c	Lookup(Individual)		
Job Application	Account__c	Lookup(Account)		
Job posting number	Name	Auto Number		
Job Posting site	Job_Posting_site__c	Master-Detail(Job Posting site)		
Last Modified By	LastModifiedBy	Lookup(User)		
Position	Position__c	Master-Detail(Position)		
Reason Recommended	Reason_Recommended__c	Text Area(255)		
Recommend for Hire	Recommend_for_Hire__c	Checkbox		

The screenshot shows the Salesforce Object Manager for the 'Review' object. The left sidebar lists various setup options. The main area displays a table titled 'Fields & Relationships' with 4 items. The columns show Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Key fields include 'Created By' (CreatedBy), 'Job Posting site' (Job\_Posting\_site\_\_c), 'Last Modified By' (LastModifiedBy), and 'Review Number' (Name). The 'Job Posting site' field is marked as a Master-Detail field.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Job Posting site	Job_Posting_site__c	Master-Detail(Job Posting site)		
Last Modified By	LastModifiedBy	Lookup(User)		
Review Number	Name	Auto Number		

Student - Job Posting site | Salesforce

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Gmail YouTube Maps

Setup Home Object Manager

Job Posting site

Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Job Posting Site URL	Job_P__c	URL(255)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Site Name	Name	Text(80)		✓
Status	Status__c	Picklist		
Technical Site	Technical_Site__c	Checkbox		
www.salesforce.com	www_salesforce__c	URL(255)		
www.salesforce.com	www_salesforce_com__c	URL(255)		

Search Setup

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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

10:11 ENG IN 28-10-2023

Student - Position | Salesforce

pomjeslycollegeofengineeringi3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01I5j000002FJTV/FieldsAndRelationships/view

Gmail YouTube Maps

Setup Home Object Manager

Position

Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Position Name	Name	Text(80)		✓

Search Setup

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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

10:12 ENG IN 28-10-2023

## Step 6 : Create a Page Layout

The screenshot shows the Salesforce Object Manager interface for the 'Position' object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts (which is selected), Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, and Restriction Rules. The main content area displays a table titled 'Page Layouts' with two items: 'Position Layout' and 'Review Object'. The 'Position Layout' was created by 'Joeshick S.' on 22/10/2023 at 7:25 pm and modified by 'Joeshick S.' on 22/10/2023 at 7:31 pm. The 'Review Object' was created by 'Joeshick S.' on 22/10/2023 at 7:31 pm and modified by 'Joeshick S.' on 28/10/2023 at 10:13 am. The top navigation bar includes links for Setup, Home, and Object Manager, along with a search bar and various system icons.

## Step 7 : Creating a Validation Rules

The screenshot shows the Salesforce Object Manager interface for the 'Job Posting site' object. On the left, a sidebar lists various configuration options like 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, Triggers, Flow Triggers, and Validation Rules (which is selected). The main content area displays a validation rule named 'Phone\_number\_validation\_rule'. The rule details are as follows: Rule Name: 'Phone\_number\_validation\_rule', Error Condition Formula: 'NOT(OR(REGEX(\$Organization.Phone, '^\d{10}\$)))', Error Message: 'Please select check box of technical site', Description: 'Phone number should not be more than or less than 10 digits.', Created By: 'Joeshick S.', Active: checked, Error Location: 'Technical Site', Modified By: 'Joeshick S.', and Last Modified: '21/10/2023, 8:26 pm'. The top navigation bar includes links for Setup, Home, and Object Manager, along with a search bar and various system icons.

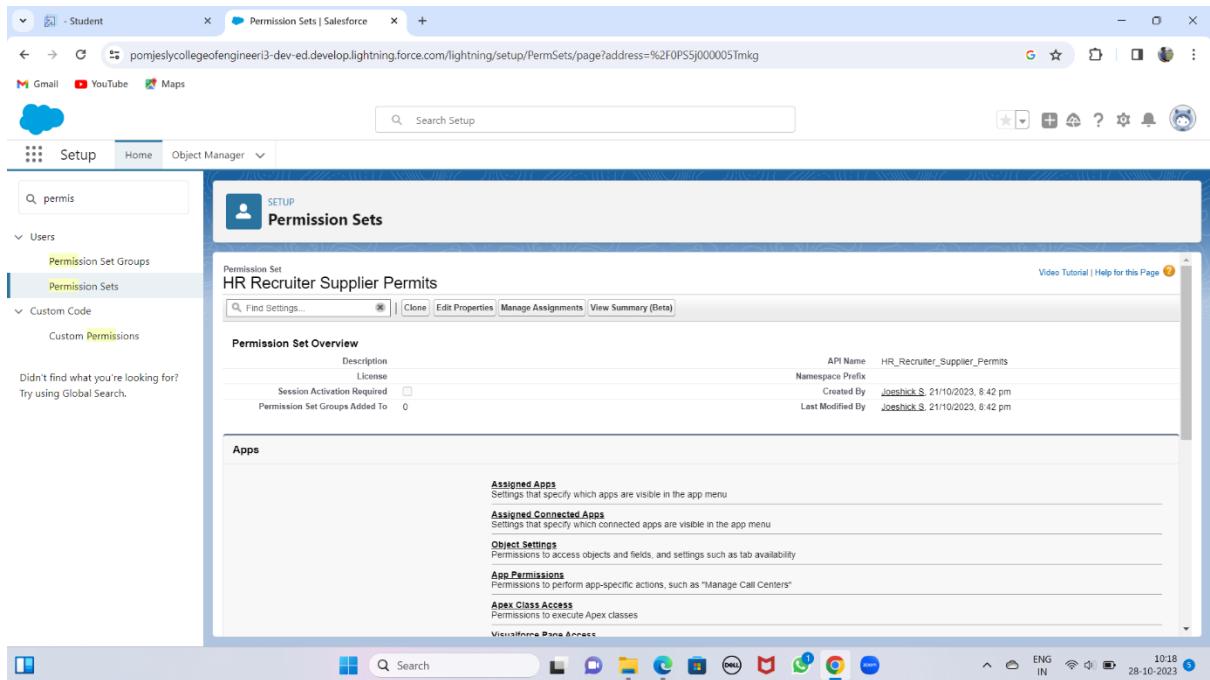
## Step 8 : Create a Profile

The screenshot shows the Salesforce Setup interface. On the left, the navigation sidebar is open, showing sections like Users, Data, Feature Settings, Marketing, Sales, and Products. Under the 'Profiles' section under 'Users', the 'Custom: Sales Profile' is selected. The main content area displays the 'Profile Detail' for 'Custom: Sales Profile'. It includes fields for Name (Custom: Sales Profile), User License (Salesforce), Description, Created By (joestick\_S), and Modified By (joestick\_S). Below this, the 'Page Layouts' section shows global and object-specific page layouts assigned to various objects like Global, Email Application, Home Page Layout, and Account. The status bar at the bottom indicates the date as 28-10-2023 and the time as 10:16.

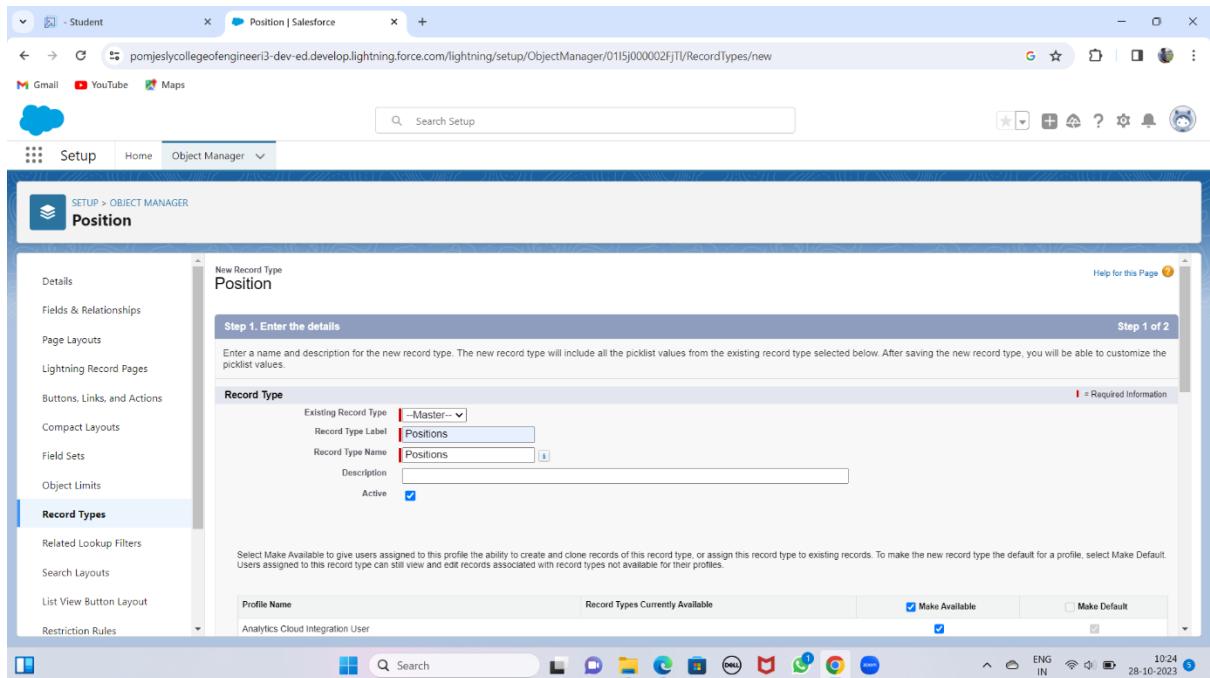
## Step 9 : Creating a User

The screenshot shows the Salesforce Setup interface. The navigation sidebar is open, showing sections like Permission Set Groups, Profiles, Public Groups, Queues, Roles, User Management Settings, and 'Users'. Under 'Users', the 'All Users' view is selected. The main content area displays a table of users with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table lists several users, including Chatter Expert, Garapati Abhilash, Gunda Sanjay, S. Joestick, User Integration, and User Security. The status bar at the bottom indicates the date as 28-10-2023 and the time as 10:17.

## Step 10 : Creating a Permission Set



## Step 11 : Create, View and Delete a Record



Screenshot of the Salesforce Setup interface showing the Record Type for 'Position'.

The left sidebar shows the following navigation items:

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types** (selected)
- Related Lookup Filters
- Search Layouts
- List View Button Layout
- Restriction Rules

The main content area displays the 'Record Type Positions' page. It includes the following details:

Record Type Label	Positions	Active
Record Type Name	Positions	<input checked="" type="checkbox"/>
Namespace Prefix		
Description		
Created By	joeshick_S, 28/10/2023, 10:25 am	
Modified By	joeshick_S, 28/10/2023, 10:25 am	

At the bottom right of the main content area, there is a link: "Help for this Page".

The browser address bar shows: pomjeslycollegeofengineering3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115j000002fjTl/RecordTypes/0125j00000F3KRAA0/view

The system status bar at the bottom indicates: ENG IN 10:25 28-10-2023

Screenshot of the Salesforce Setup interface showing the Record Types list for 'Position'.

The left sidebar shows the following navigation items:

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types** (selected)
- Related Lookup Filters
- Search Layouts
- List View Button Layout
- Restriction Rules

The main content area displays the 'Record Types' list. A modal dialog box is open over the list, asking: "Are you sure?".

The list table has the following columns:

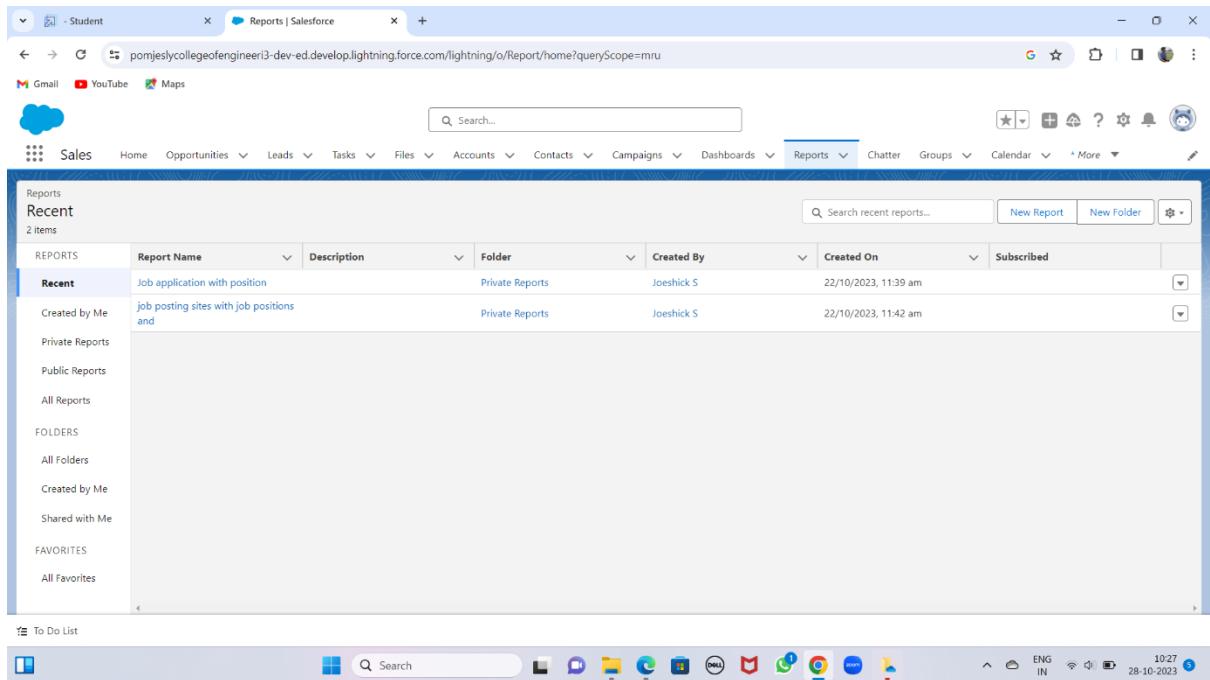
RECORD TYPE LABEL	DESCRIPTION	ACTIVE	MODIFIED BY
Positions		<input checked="" type="checkbox"/>	joeshick_S, 23, 10:25 am

At the top right of the list area, there are buttons for "New", "Page Layout Assignment", "Quick Find", and a delete icon. On the far right, there are "Edit" and "Delete" buttons.

The browser address bar shows: pomjeslycollegeofengineering3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115j000002fjTl/RecordTypes/view

The system status bar at the bottom indicates: ENG IN 10:25 28-10-2023

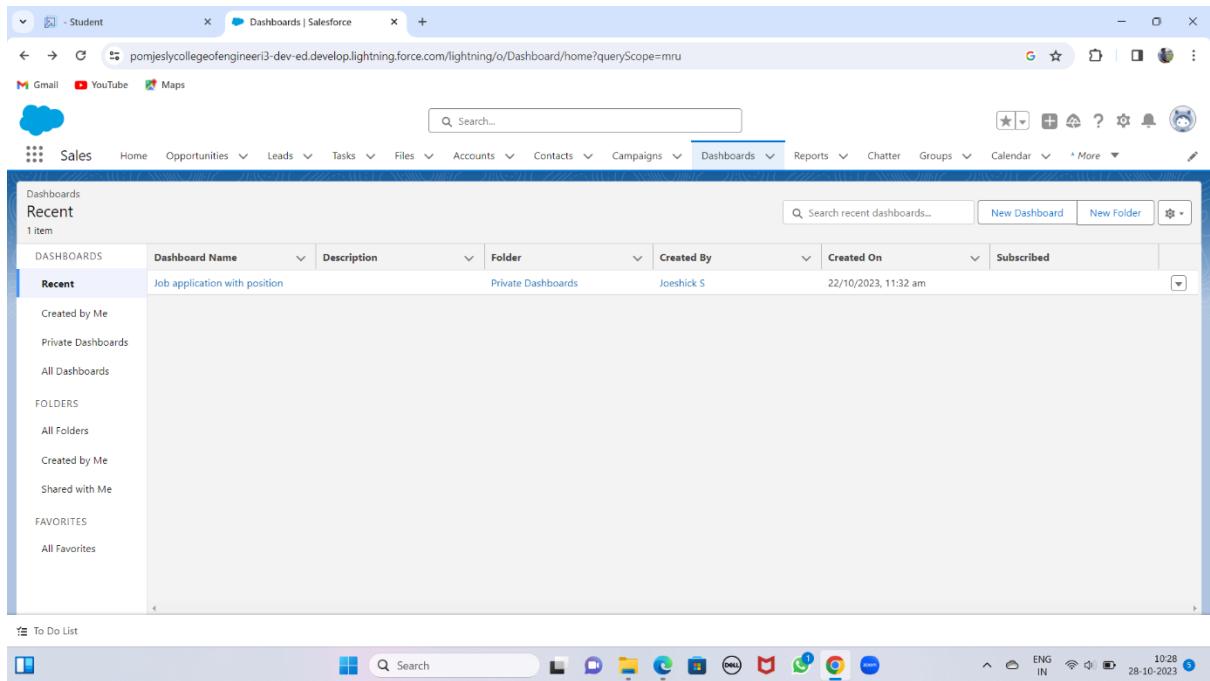
## Step 12 : Creating a Report



The screenshot shows the Salesforce Reports page. The left sidebar lists categories like Recent, Reports, Folders, and Favorites. The main area displays a table of recent reports:

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Job application with position		Private Reports	Joeshick S	22/10/2023, 11:39 am	
	job posting sites with job positions and		Private Reports	Joeshick S	22/10/2023, 11:42 am	

## Step 13 : Create a Dashboard



The screenshot shows the Salesforce Dashboards page. The left sidebar lists categories like Recent, Dashboards, Folders, and Favorites. The main area displays a table of recent dashboards:

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Job application with position		Private Dashboards	Joeshick S	22/10/2023, 11:32 am	

## Step 14 : View Report and Dashboard

The screenshot shows the Salesforce Reports page. The left sidebar lists categories: Reports, Recent, Created by Me, Private Reports, Public Reports, All Reports, Folders, All Folders, Created by Me, Shared with Me, Favorites, and All Favorites. The main content area displays a table of recent reports:

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Job application with position		Private Reports	Joeshick S	22/10/2023, 11:39 am	
	job posting sites with job positions and		Private Reports	Joeshick S	22/10/2023, 11:42 am	

At the bottom, there is a "To Do List" section and a Windows taskbar.

The screenshot shows the Salesforce Dashboards page. The left sidebar lists categories: Dashboards, Recent, Created by Me, Private Dashboards, All Dashboards, Folders, All Folders, Created by Me, Shared with Me, Favorites, and All Favorites. The main content area displays a table of recent dashboards:

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Job application with position		Private Dashboards	Joeshick S	22/10/2023, 11:32 am	

At the bottom, there is a "To Do List" section and a Windows taskbar.

## Step 15 : Creation of Apex Triggers

The screenshot shows the Salesforce Setup interface with the 'Apex Triggers' page selected. The left sidebar includes sections for Email, Custom Code (with Apex Classes highlighted), Development, and Environments. The main content area displays the 'Apex Triggers' list with the following details:

Action	Name	Namespace Prefix	sObject Type	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit   Del	CreateContact		Review	59.0	Active	56	joestick S	22/10/2023, 11:59 am
Edit   Del	DML		Job_Posting_site	59.0	Active	56	joestick S	22/10/2023, 7:49 pm
Edit   Del	PriorityTrig		Review	59.0	Active	54	joestick S	22/10/2023, 12:01 pm

## Step 16 : Create the DML Insert for the Job Posting Site

The screenshot shows the Salesforce Setup interface with the 'Apex Classes' page selected. The left sidebar includes sections for Email, Custom Code (with Apex Classes highlighted), Development, and Environments. The main content area displays the 'Apex Class Detail' for 'InsertMultipleRec' with the following details:

Name	InsertMultipleRec	Status	Active
Namespace Prefix		Code Coverage	0% (0/8)
Created By	joestick S	Last Modified By	joestick S
22/10/2023, 7:51 pm			

The 'Class Body' tab is selected, showing the following Apex code:

```
1 public class InsertMultipleRec {
2     public static void main(String[] args) {
3         List<Job_Posting_Site__c> instRec = new List<Job_Posting_Site__c>();
4         for(Integer i=1; i<1000; i++) {
5             Job_Posting_Site__c r = new Job_Posting_Site__c();
6             r.Name = 'naukr';
7             r.Status__c='Complete';
8             instRec.add(r);
9         }
10        insert instRec;
11        system.debug(instRec);
12    }
13 }
```

## Step 17 : Create the Batch Apex and Check the Batch

The screenshot shows the Salesforce Setup interface for Apex Classes. On the left, the navigation sidebar is open with the search bar set to 'ape'. Under 'Custom Code', 'Apex Classes' is selected. The main content area displays the 'Apex Class Detail' for 'Util1'. The class body contains the following Apex code:

```
1 public class Util1 implements Database.Batchable<sObject> {
2     ...
3     ...
4     public Database.QueryLocator start(Database.BatchableContext bc) {
5         string myList = 'SELECT Id, Name, Technical_Site__c FROM Job_Posting_Site__c';
6         system.debug('start method');
7         return Database.getQueryLocator(myList);
8     }
9     ...
10    public void execute(Database.BatchableContext bc, List<Job_Posting_Site__c> accList) {
11        ...
12        system.debug('execute method');
13        system.debug(accList.size());
14    }
15    ...
16    public void finish(Database.BatchableContext bc) {
17        ...
18        system.debug('finish method');
19    }
}
```

The status bar at the bottom right indicates the date as 28-10-2023 and the time as 10:35.

The screenshot shows the Salesforce Setup interface for Apex Jobs. On the left, the navigation sidebar is open with the search bar set to 'apex'. Under 'Custom Code', 'Apex Classes' is selected. The main content area displays the 'Apex Jobs' page. A message at the top says 'Click here to go to the new batch jobs page'. Below it, a green box states 'Percent of Asynchronous Apex Used: 0%'. The page lists the following information:

View:	All	Create New View
Submitted Date		
Job Type		
Status		
Status Detail		
Total Batches		
Batches Processed		
Failures		
Submitted By		
Completion Date		
Apex Class		
Apex Method		
Apex Job ID		

The status bar at the bottom right indicates the date as 28-10-2023 and the time as 10:35.