

# **JOB APPLICATION TRACKING SYSTEM**

## **1 INTRODUCTION**

### **1.1 Job application tracking system brief description**

**A job application tracking system is a software tool used by companies and recruiters to manage the hiring process. It is designed to streamline the recruitment process by organizing, tracking, and managing job applications from start to finish.**

**The system typically allows recruiters to post job listings, collect resumes and cover letters, screen candidates, schedule interviews, and make hiring decisions. It also provides analytics and reporting features to help recruiters assess the effectiveness of their hiring process and identify areas for improvement.**

**Job application tracking systems can be standalone software applications or integrated into an organization's existing HR system. They can also be customized to meet the specific needs of the organization, such as tracking diversity metrics or managing onboarding tasks.**

## **1.2 Job application tracking system purpose**

**A job application tracking system (ATS) is a software application designed to help companies manage their recruitment processes more efficiently. The primary purpose of an ATS is to automate and streamline the hiring process, from receiving and screening resumes to scheduling interviews and making job offers.**

**The ATS is typically used by recruiters and hiring managers to track job applicants throughout the hiring process. It allows them to manage a large number of applicants, quickly screen resumes, and search for qualified candidates based on specific criteria.**

**Some of the key features of an ATS include:**

**Resume parsing and storage: An ATS can automatically parse resumes and store applicant data in a centralized database.**

**Job posting and distribution: An ATS can post job openings to multiple job boards and social media platforms, and track which channels are generating the most qualified candidates.**

**Applicant screening and scoring: An ATS can automatically screen resumes and score applicants based on specific criteria such as education, experience, and skills.**

**Interview scheduling: An ATS can help schedule interviews, send**

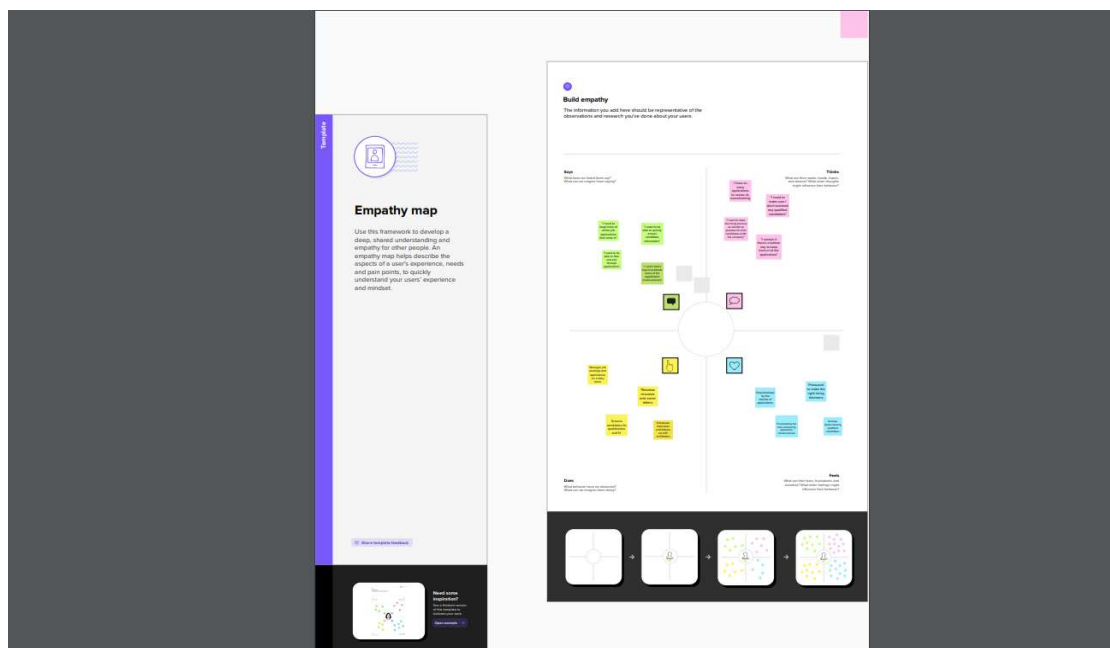
reminders to applicants, and track interview feedback.

**Reporting and analytics:** An ATS can generate reports and analytics on recruitment metrics such as time-to-fill, cost-per-hire, and applicant source.

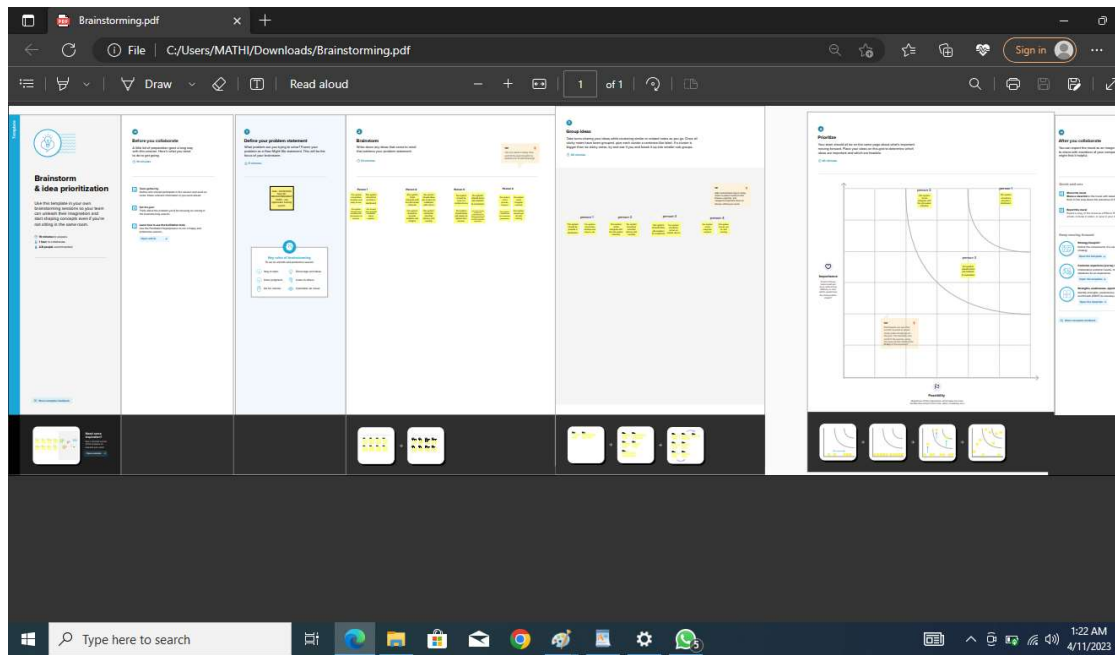
Overall, the purpose of an ATS is to help companies save time and resources in their recruitment efforts, while also improving the quality of their hires.

## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map



### 2.2 Ideation & Brainstorming Map



### 3 RESULT

#### 3.1 Data Model

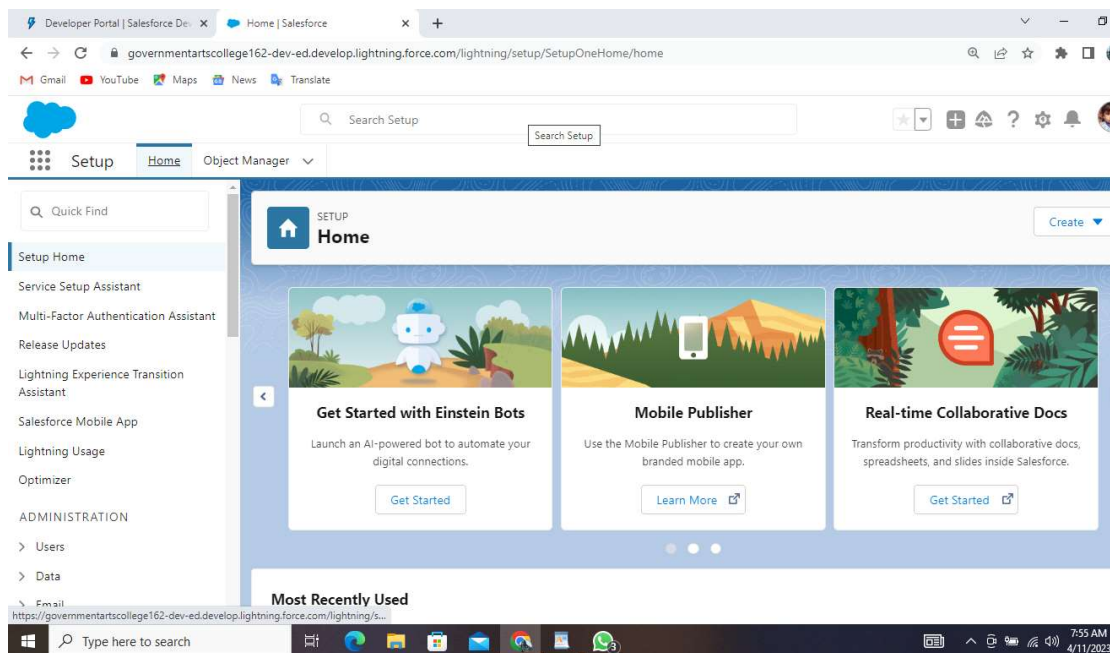
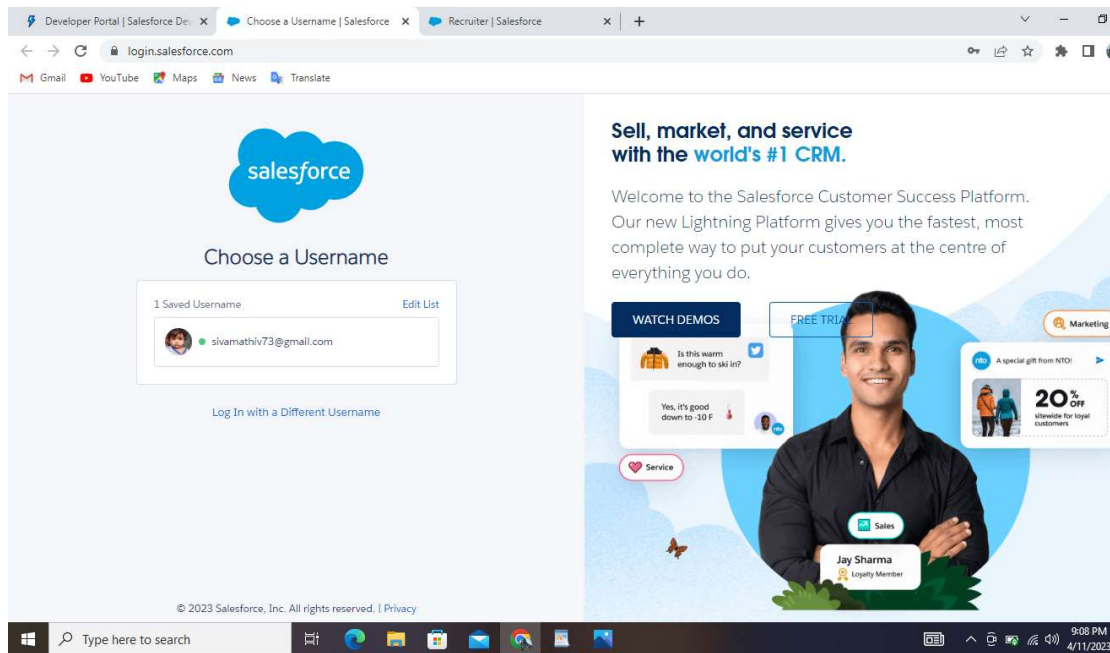
Object name	Fields in the Object	
	Field label	Data type
obj 1	Recruiter	Text
	Jobs	Text Area
obj 2	Field Label	Data type
	Candidate	Auto Number
	Job Application	Text
	Tab	Text

z

#### 3.2 Activity & Screenshot

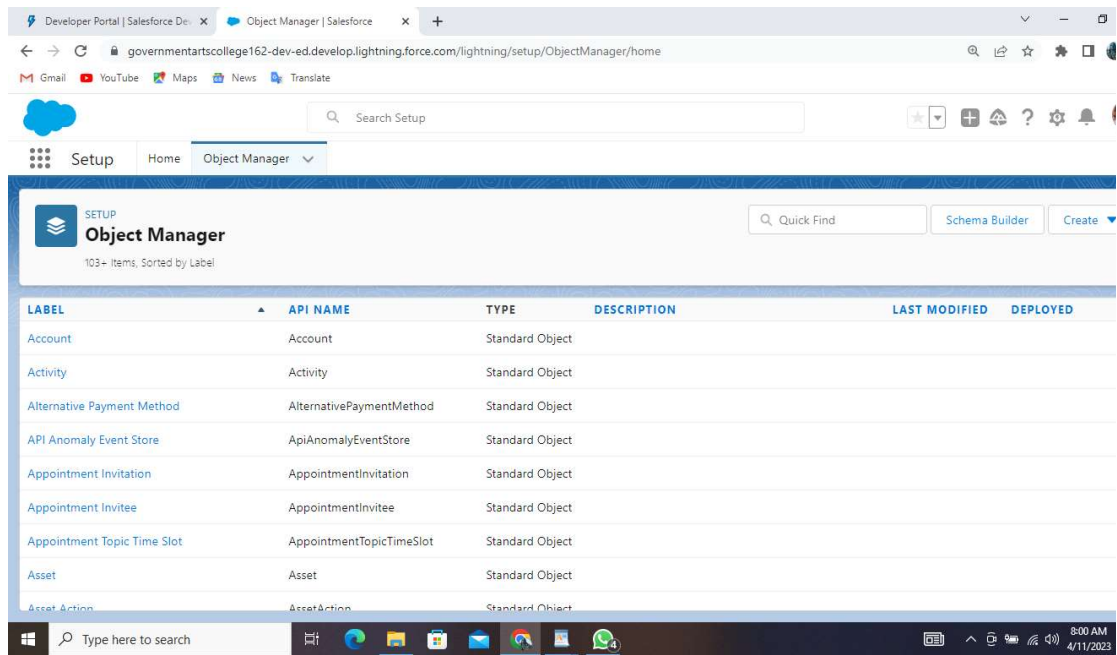
Milestone 1:

## Activity 1: Creating Salesforce Developer



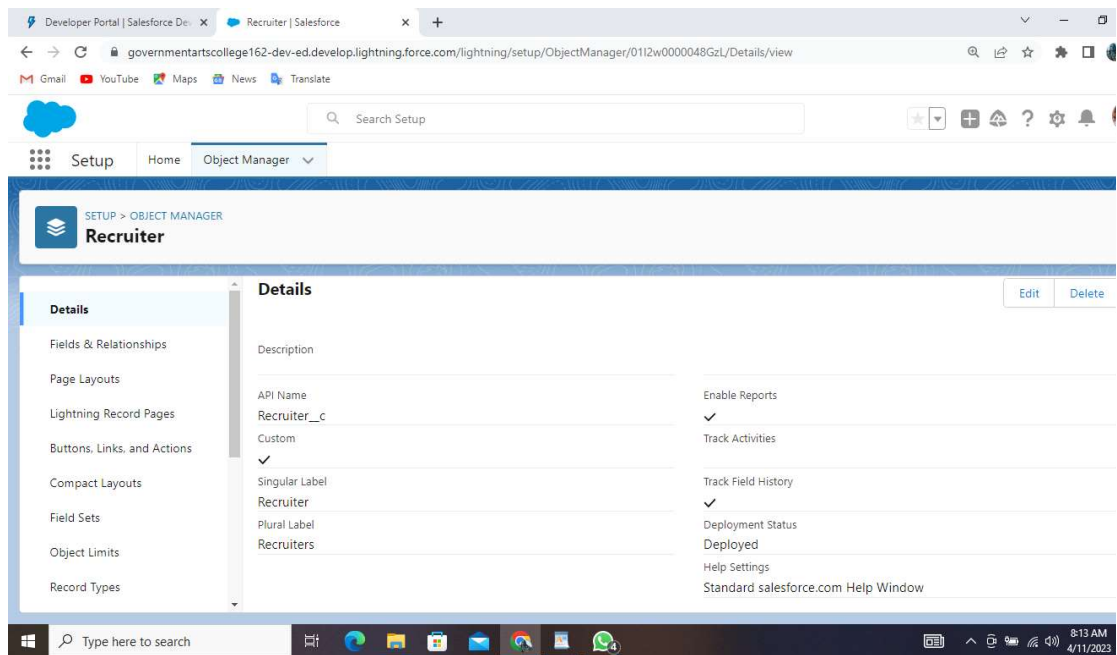
## Milestone 2:

### Activity 1: Create a custom object for Recruiter:



The screenshot shows the Salesforce Object Manager home page in a web browser. The browser tabs include 'Developer Portal | Salesforce Dev' and 'Object Manager | Salesforce'. The address bar shows the URL: `governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home`. The page header includes a search bar and navigation links for 'Setup', 'Home', and 'Object Manager'. The main content area displays a list of objects with columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The objects listed are Account, Activity, Alternative Payment Method, API Anomaly Event Store, Appointment Invitation, Appointment Invitee, Appointment Topic Time Slot, Asset, and Asset Action.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Asset	Asset	Standard Object			
Asset Action	AssetAction	Standard Object			



The screenshot shows the Salesforce Object Manager details page for the 'Recruiter' object. The browser tabs include 'Developer Portal | Salesforce Dev' and 'Recruiter | Salesforce'. The address bar shows the URL: `governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w0000048GzL/Details/view`. The page header includes a search bar and navigation links for 'Setup', 'Home', and 'Object Manager'. The main content area displays the details for the 'Recruiter' object, including a sidebar with navigation links and a main section with fields and settings.

Field	Value
Description	
API Name	Recruiter_c
Custom	✓
Singular Label	Recruiter
Plural Label	Recruiters
Enable Reports	✓
Track Activities	
Track Field History	✓
Deployment Status	
Deployed	
Help Settings	
Standard salesforce.com Help Window	

## Activity 2:

Developer Portal | Salesforce Dev | Jobs | Salesforce

governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w0000048H4b/Details/view

Search Setup

Setup Home Object Manager

Jobs

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Description

API Name

Job\_\_c

Custom

✓

Singular Label

Jobs

Plural Label

Jobs

Enable Reports

✓

Track Activities

Track Field History

✓

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit Delete

Type here to search

8:14 AM 4/11/2023

Developer Portal | Salesforce Dev | Candidate | Salesforce

governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w0000048H4g/Details/view

Search Setup

Setup Home Object Manager

Candidate

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Description

API Name

Candidate\_\_c

Custom

✓

Singular Label

Candidate

Plural Label

Candidates

Enable Reports

✓

Track Activities

Track Field History

✓

Deployment Status

Deployed

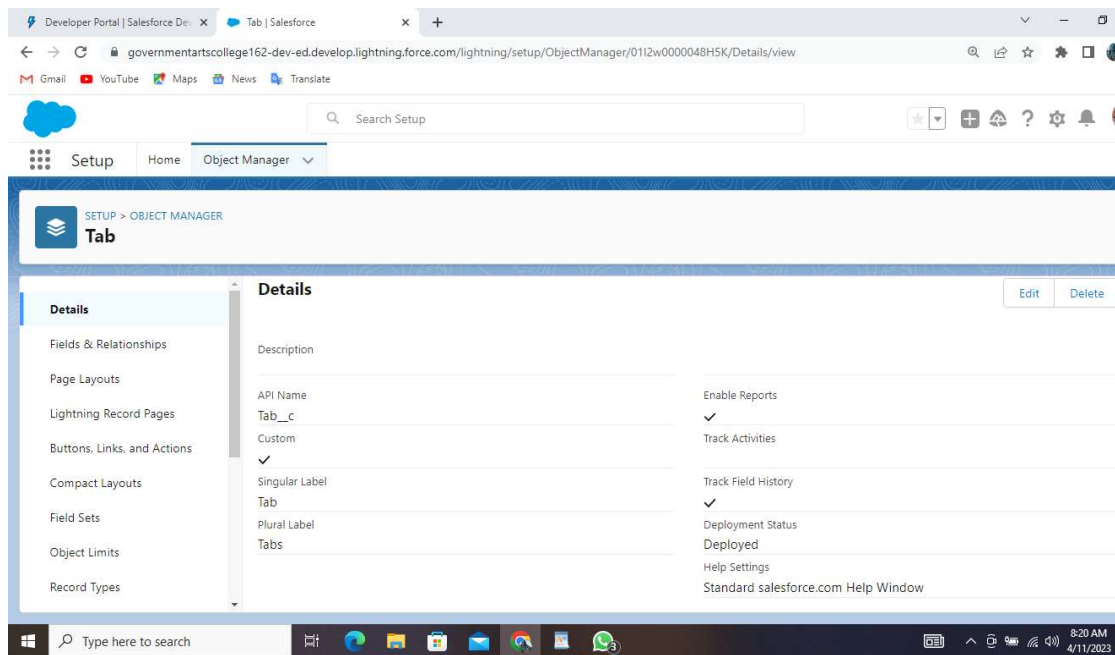
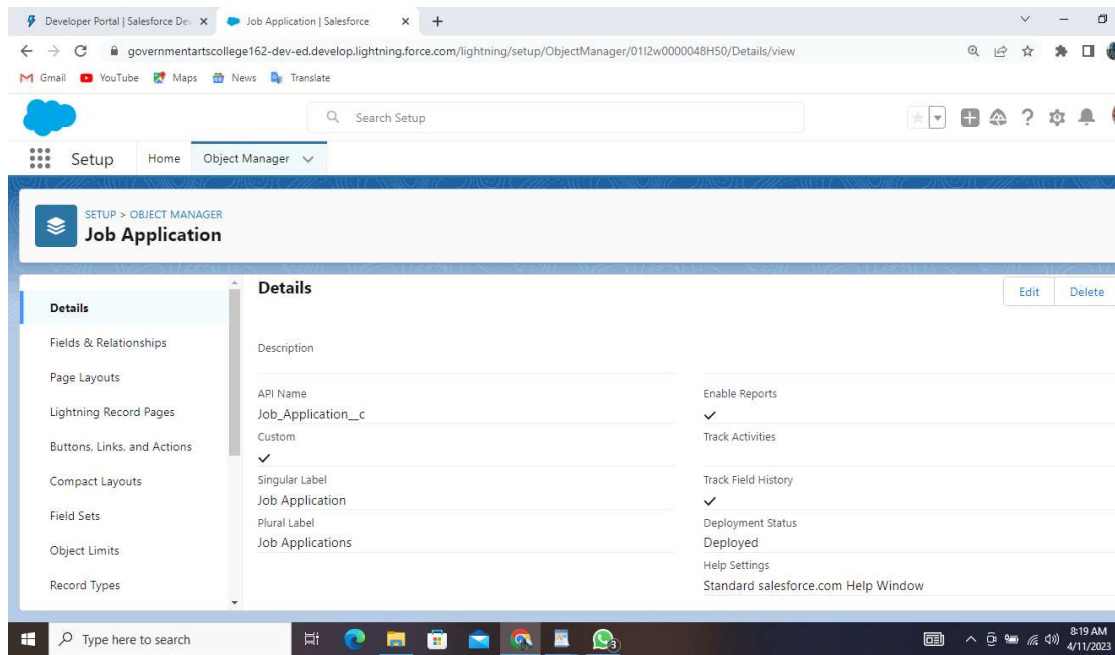
Help Settings

Standard salesforce.com Help Window

Edit Delete

Type here to search

8:15 AM 4/11/2023



## Milestone 3:

### Activity 1: Create the custom field



Developer Portal | Salesforce Dev | Object Manager | Salesforce

governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home

Search Setup

Setup Home Object Manager

Object Manager

51+ Items, Sorted by Label

Quick Find Schema Builder Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Asset	Asset	Standard Object			

https://governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w0000048H5K/Details/view

Type here to search

8:21 AM 4/11/2023

Developer Portal | Salesforce Dev | Recruiter | Salesforce

governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w0000048GzL/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Recruiter

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Fields & Relationships

5 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracker

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)		✓
Recruiter	Recruiter__c	Text(30)		
Recruiter Name	Name	Auto Number		✓

https://governmentartscollege162-dev-ed.develop.lightning.force.com/one/one.app#/setup/ObjectManager/0112w0000048GzL/FieldsAndRelationships/view

Type here to search

8:24 AM 4/11/2023

## Activity 2: Creation of Maaster-detail relationship

The screenshot shows the Salesforce Object Manager interface for the 'Jobs' object. The 'Fields & Relationships' section displays a table with 6 items, sorted by Field Label. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

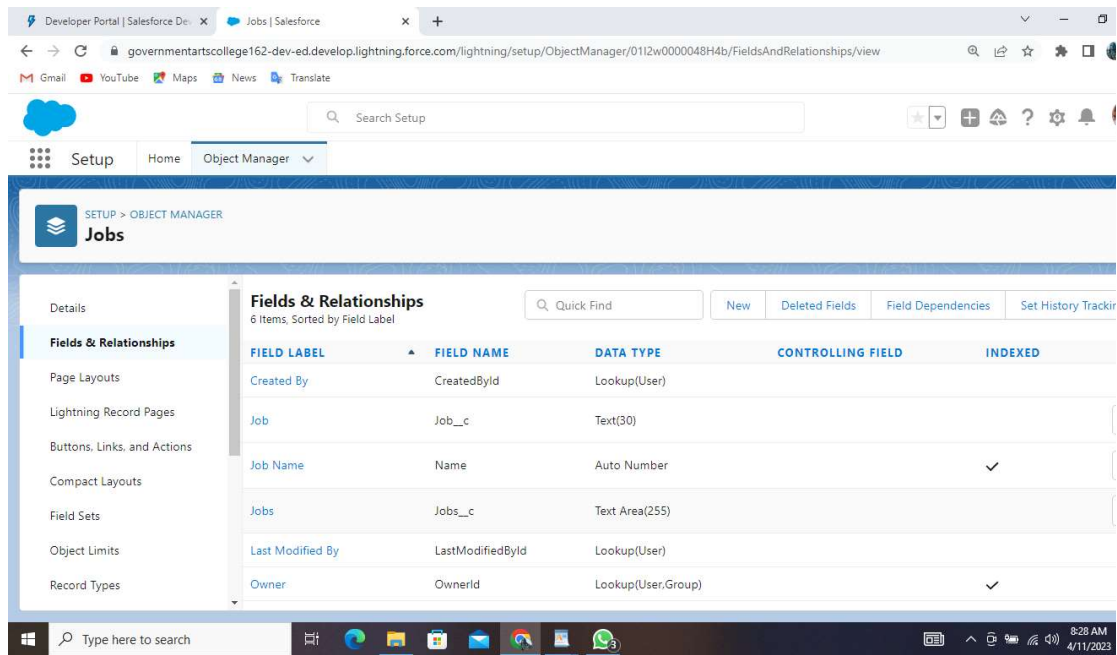
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Job	Job__c	Text(30)		
Job Name	Name	Auto Number		✓
Jobs	Jobs__c	Text Area(255)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

### Activity 3: Create a new custom field:

The screenshot shows the Salesforce Object Manager interface for the 'Jobs' object. The 'Fields & Relationships' section displays a table with 6 items, sorted by Field Label. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

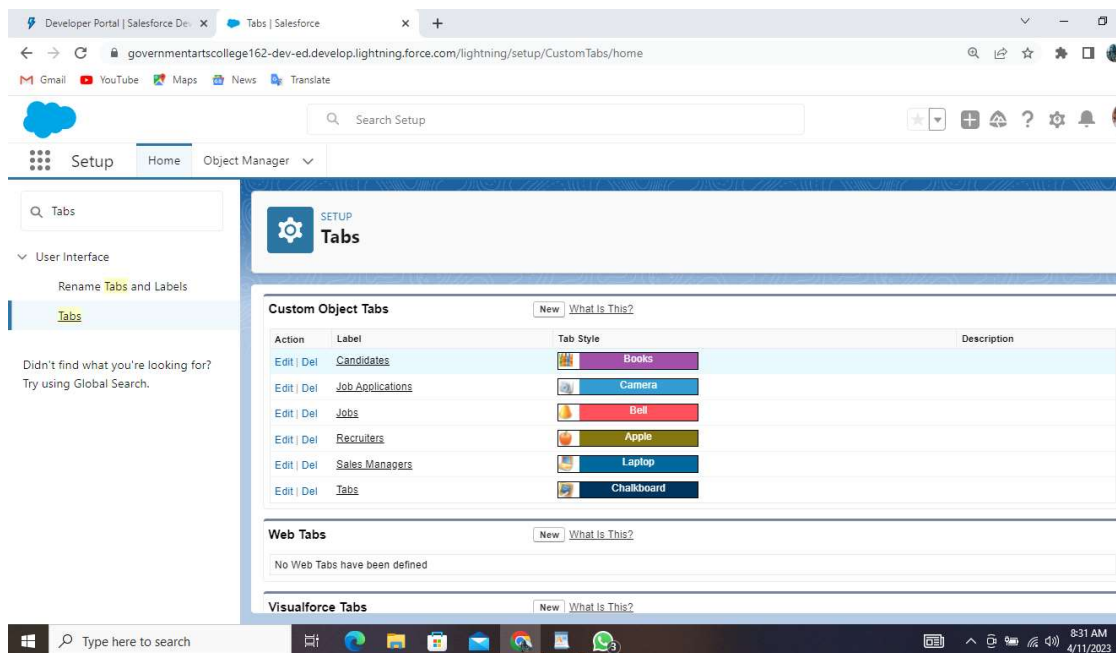
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Job	Job__c	Text(30)		
Job Name	Name	Auto Number		✓
Jobs	Jobs__c	Text Area(255)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

### Activity 4: Create a new custom field



## Milestone 4

### Activity 1: Create a tab



## Milestone 5:

### Activity 1: Create a custom profile

The screenshot shows the Salesforce Setup interface for the 'Recruiter' profile. The left sidebar contains a search bar and a navigation menu with 'Users' and 'Profiles' (selected). The main content area displays the 'Recruiter' profile details. At the top, there's a 'SETUP Profiles' header. Below it, a description states: 'Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information. If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.' A row of links for various access types is provided. The 'Profile Detail' section includes buttons for 'Edit', 'Clone', 'Delete', and 'View Users'. Below this is a table with the following information:

Name	Recruiter	Custom Profile	<input checked="" type="checkbox"/>
User License	Salesforce		
Description			
Created By	sivamathi V. 03/04/2023, 3:42 pm	Modified By	sivamathi V. 06/04/2023, 10:55 am

Below the table is a section for 'Page Layouts'. The browser's address bar shows the URL: `governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00e2w000000s0Yj`. The Windows taskbar at the bottom shows the time as 8:38 AM on 4/11/2023.

## Activity 2:

The screenshot shows the Salesforce Setup interface for the 'Sales Manager' profile. The left sidebar contains a search bar and a navigation menu with 'Users' and 'Profiles' (selected). The main content area displays the 'Sales Manager' profile details. At the top, there's a 'SETUP Profiles' header. Below it, a description states: 'Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information. If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.' A row of links for various access types is provided. The 'Profile Detail' section includes buttons for 'Edit', 'Clone', 'Delete', and 'View Users'. Below this is a table with the following information:

Name	Sales Manager	Custom Profile	<input checked="" type="checkbox"/>
User License	Salesforce		
Description			
Created By	sivamathi V. 04/04/2023, 10:51 am	Modified By	sivamathi V. 06/04/2023, 10:55 am

Below the table is a section for 'Page Layouts'. The browser's address bar shows the URL: `governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00e2w000000s1n8`. The Windows taskbar at the bottom shows the time as 8:40 AM on 4/11/2023.

## Milestone 6:

### Activity 1: To Create a user

Developer Portal | Salesforce Dev | Users | Salesforce

governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F0052w00000Gel55%3FnoRedirect%3D1%26...

Search Setup

Setup Home Object Manager

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

SETUP Users

User Hr Manager

Permission Set Assignments | Permission Set Assignments: Activation Required | Permission Set Group Assignments | Permission Set License Assignments | Personal Groups | Public Group Membership | Queue Membership | Team | Managers in the Role Hierarchy | OAuth Connected Apps | Third-Party Account Links | Installed Mobile Apps | Authentication Settings for External Systems | Login History | User Provisioning Accounts

User Detail

Edit Sharing Reset Password Freeze

Name	Hr Manager	Role	
Alias	hmana	User License	Salesforce Platform
Email	sivamathi73@gmail.com	Profile	Standard Platform User
Username	sivamathi@statistics.com	Active	<input checked="" type="checkbox"/>
Nickname	User16806034452309227198	Marketing User	<input type="checkbox"/>
Title		Offline User	<input type="checkbox"/>
Company		Knowledge User	<input type="checkbox"/>
Department		Flow User	<input type="checkbox"/>
Division		Service Cloud User	<input type="checkbox"/>
Address		Site.com Contributor User	<input type="checkbox"/>

Type here to search

8:42 AM 4/11/2023

Developer Portal | Salesforce Dev | Users | Salesforce

governmentartscollege162-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F0052w00000Gel55%3FnoRedirect%3D1%26...

Search Setup

Setup Home Object Manager

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

SETUP Users

Address		Site.com Contributor User	<input type="checkbox"/>
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User	<input type="checkbox"/>
Locale	English (India)	WDC User	<input type="checkbox"/>
Language	English	Mobile Push Registrations	<a href="#">View</a>
Delegated Approver		Data.com User Type	<input type="checkbox"/>
Manager		Accessibility Mode (Classic Only)	<input type="checkbox"/>
Receive Approval Request Emails	Only if I am an approver	Debug Mode	<input type="checkbox"/>
Federation ID		High-Contrast Palette on Charts	<input type="checkbox"/>
App Registration: One-Time Password Authenticator	<input type="checkbox"/>	Load Lightning Pages While Scrolling	<input checked="" type="checkbox"/>
App Registration: Salesforce Authenticator	<input type="checkbox"/>	Salesforce CRM Content User	<input checked="" type="checkbox"/>
Security Key (U2F or WebAuthn)	<input type="checkbox"/>	Receive Salesforce CRM Content Email Alerts	<input checked="" type="checkbox"/>
Lightning Login	<input type="checkbox"/>	Receive Salesforce CRM Content Alerts as Daily Digest	<input checked="" type="checkbox"/>
Temporary Verification Code (Expires in 1 to 24 Hours)	<a href="#">Generate</a>	Make Setup My Default Landing Page	<input type="checkbox"/>

Type here to search

8:43 AM 4/11/2023



The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a navigation menu with options like 'Users', 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', 'Feature Settings', and 'Data.com'. The main content area displays the 'Users' setup page with a 'Temporary Verification Code' field, a 'Generate' button, and a list of user details including 'Make Setup My Default Landing Page', 'Allow Forecasting', 'Call Center', 'Phone', 'Extension', 'Fax', 'Mobile', 'Email Encoding', 'Employee Number', 'Used Data Space', 'Used File Space', 'Last Login', 'Last Password Change or Reset', 'Failed Login Attempts', 'Individual', and 'Modified By'. The user 'sivamathi V' is listed with a creation date of 04/04/2023, 3:49 pm.

## Activity 2:

The screenshot shows the Salesforce Setup interface for the 'Users' section, specifically the 'User Detail' page for 'Ganesh Gelli'. The left sidebar is the same as the previous screenshot. The main content area displays the user's details, including 'Name', 'Alias', 'Email', 'Username', 'Nickname', 'Title', 'Company', 'Department', 'Division', 'Role', 'User License', 'Profile', 'Active', 'Marketing User', 'Offline User', 'Knowledge User', 'Flow User', 'Service Cloud User', and 'Site.com Contributor User'. The user 'Ganesh Gelli' is listed with a creation date of 04/04/2023, 3:49 pm.

The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a navigation menu with options like 'Users', 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', 'Feature Settings', and 'Data.com'. The main content area is titled 'SETUP Users' and displays a list of configuration settings for a user, including Time Zone, Locale, Language, Delegated Approver, Manager, Receive Approval Request Emails, Federation ID, App Registration, Security Key, Lightning Login, Temporary Verification Code, Site.com Publisher User, WDC User, Mobile Push Registrations, Data.com User Type, Accessibility Mode, Debug Mode, High-Contrast Palette, Load Lightning Pages While Scrolling, Salesforce CRM Content User, Receive Salesforce CRM Content Email Alerts, Receive Salesforce CRM Content Alerts as Daily Digest, Make Setup My Default Landing Page, Allow Forecasting, and Call Center. The 'Users' section is highlighted in the sidebar, and the 'Prospector Users' sub-section is selected.

The screenshot shows the Salesforce Setup interface for the 'Users' section, displaying the details of a specific user. The left sidebar is the same as the previous screenshot. The main content area is titled 'SETUP Users' and shows the user's details, including 'Allow Forecasting', 'Call Center', 'Phone', 'Extension', 'Fax', 'Mobile', 'Email Encoding', 'Employee Number', 'Used Data Space', 'Used File Space', 'Last Login', 'Last Password Change or Reset', 'Failed Login Attempts', 'Individual', 'Created By', 'Modified By', and 'Sharing'. The 'Users' section is highlighted in the sidebar, and the 'Prospector Users' sub-section is selected. The 'Sharing' button is visible at the bottom of the user details section.

## Milestone 7:

### Activity 1: Create a sharing rule

The screenshot shows the Salesforce Setup page for the 'SVP, Human Resources' role. The left sidebar includes 'Setup', 'Home', and 'Object Manager'. The main content area displays the role details and a list of users assigned to the role.

**Role: SVP, Human Resources**

Below is the list of users assigned to this role. Click Edit to modify the role name. Click Assign Users to Role to assign existing users to this role. Click New User to create a user for this role.

Hierarchy: Government Arts College > CEO > SVP, Human Resources  
 Siblings: SVP, Sales & Marketing, SVP, Customer Service & Support, CFO, COO

[Users in SVP, Human Resources Role \(0\)](#)

**Role Detail**

Label	SVP, Human Resources	Role Name	SVPHumanResources
This role reports to	CEO	Role Name as displayed on reports	SVP, Human Resources
Modified By	siyamathi V 29/03/2023, 11:30 am	Sharing Groups	Role, Role and Subordinates
Opportunity Access	Users in this role can edit all opportunities associated with accounts that they own, regardless of who owns the opportunities		
Case Access	Users in this role can edit all cases associated with accounts that they own, regardless of who owns the cases		

## Activity 2:

The screenshot shows the Salesforce Setup page for the 'SVP, Human Resources' role. The left sidebar includes 'Setup', 'Home', and 'Object Manager'. The main content area displays the role details and a list of users assigned to the role.

**Role: SVP, Human Resources**

Below is the list of users assigned to this role. Click Edit to modify the role name. Click Assign Users to Role to assign existing users to this role. Click New User to create a user for this role.

Hierarchy: Government Arts College > CEO > SVP, Human Resources  
 Siblings: SVP, Sales & Marketing, SVP, Customer Service & Support, CFO, COO

[Users in SVP, Human Resources Role \(0\)](#)

**Role Detail**

Label	SVP, Human Resources	Role Name	SVPHumanResources
This role reports to	CEO	Role Name as displayed on reports	SVP, Human Resources
Modified By	siyamathi V 29/03/2023, 11:30 am	Sharing Groups	Role, Role and Subordinates
Opportunity Access	Users in this role can edit all opportunities associated with accounts that they own, regardless of who owns the opportunities		
Case Access	Users in this role can edit all cases associated with accounts that they own, regardless of who owns the cases		

## Milestone 8

### Activity 1: Create a report



Developer Portal | Salesforce Dev | Job Application Tracking System

governmentatcollege162-dev-ed.develop.lightning.force.com/lightning/r/Report/0002w00000Ea7QQEAZ/view?queryScope=userFolders

Search...

Sales Console Reports Job Application Track...

Report: Accounts  
**Job Application Tracking System**

Enable Field Editing Add Chart Edit

Total Records  
13

Type	San Francisco	Subtotal	Austin	Burlington	Chicago	New York	Singapore	Tucson	Subtotal	Lawrence	Mountain View	Paris	Portland
Record Count	1	1	2	1	0	0	0	0	1	0	1	0	0
Hot													

Details (13 Rows) Count Click an intersection in the table above to filter details.

Last Activity	Account Owner	Account Name	Billing State/Province	Last Modified Date
2	sivamathi V	sForce	CA	29/03/2023
3	sivamathi V	United Oil & Gas, UK	UK	29/03/2023

Row Counts Detail Rows Subtotals Grand Total Stacked Summaries

History

Type here to search

9:13 AM 4/11/2023

## Activity 2:

Developer Portal | Salesforce Dev | Job Application Tracking System

governmentatcollege162-dev-ed.develop.lightning.force.com/lightning/r/Report/0002w00000Ea7QQEAZ/view?queryScope=userFolders

Search...

Sales Console Reports Job Application Track...

Report: Accounts  
**Job Application Tracking System**

Enable Field Editing Add Chart Edit

Total Records  
13

Type	San Francisco	Subtotal	Austin	Burlington	Chicago	New York	Singapore	Tucson	Subtotal	Lawrence	Mountain View	Paris	Portland
Record Count	1	1	2	1	0	0	0	0	1	0	1	0	0
Hot													

Details (13 Rows) Count Click an intersection in the table above to filter details.

Last Activity	Account Owner	Account Name	Billing State/Province	Last Modified Date
2	sivamathi V	sForce	CA	29/03/2023
3	sivamathi V	United Oil & Gas, UK	UK	29/03/2023

Row Counts Detail Rows Subtotals Grand Total Stacked Summaries

History

Type here to search

9:13 AM 4/11/2023

## 4 Trailhead Profile Public URL

Team Lead-<https://trailblazer.me/id/smathi105>

Team Member 1-<http://trailblazer.me/id/jjagan26>

Team Member 2-<https://trailblazer.me/id/strailhead>

## Project Report Template

### 5 ADVANTAGES & DISADVANTAGE

A good job search begins with sufficient planning and overall knowledge of the recruitment process. Tracker tools make it easier to reach potential employers. The tools also provide easier process implementation, simple collaboration, and scheduling integration.

A Disadvantage of ATS is missing qualified applicants due to wrong keyword selection.

Automatic elimination of resumes that software cannot recognize and interpret is another drawback of ATS.

An Applicant Tracking System Disadvantage is that they are open to manipulation.

### 6 APPLICATIONS

An applicant tracking system (ATS) is software that manages the recruiting and hiring process, including job postings and job applications. It organizes information about job seekers and makes it searchable. As its name implies, an ATS tracks candidates through the hiring process.

### 7 CONCLUSION

Vehicle detection is the basis and premise for researches such as parking lot management, vehicle tracking, and vehicle license plate recognition. But in the actual operation, there are still many difficulties to be solved in vehicle detection, such as occlusion, lighting, and object shape changes.

## **8 FUTURE SCOPE**

**The scope of our GPS based vehicle tracking and management system is to trace the where about of specific vehicle or person using a GPS & GSM technology. GPS vehicle tracking system is the apparent way for any business to advance its profit, efficiency, customer-service and routing control.**