

**H.H THE RAJAH'S COLLEGE**  
**PUDUKKOTTAI – 622 001**

**DEPARTMENT OF MATHEMATICS**

**NAAN MUDHALVAN – SMART BRIDGE PROJECT**

**PROJECT TITLE**

**Job Application Tracking System**

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# INTRODUCTION

A job application tracking system is a software application that is used to streamline and automate the recruitment process. It helps recruiters and hiring managers manage job postings, track applications, and communicate with candidates. The system usually includes features such as applicant tracking, resume management, interview scheduling, and reporting.

## 1.1 OVERVIEW

A job application tracking system (ATS) is a software application that enables employers and recruiters to manage and automate the hiring process. An ATS allows organizations to streamline their recruitment process by tracking and managing job postings, resumes, applications, and interviews in a centralized system.

## 1.2 PURPOSE


The purpose of a job application tracking system (ATS) is to automate and streamline the recruitment process. An ATS allows organizations to manage the hiring process more efficiently by tracking and managing job postings, resumes, applications, and interviews in a centralized system.

The system allows employers to track and manage job postings, resumes, applications, and interviews, while also providing features for communication with candidates and collaboration among recruiters and hiring managers.

# PROBLEM DEFINITION & DESIGN THINKING:

## 2.1 EMPATHY MAP:


Template



### Retrospective

Use this framework to reflect on recent work. This simple structure is useful both alone and in groups.

Created in partnership with



[Share template feedback](#)

**Reflect on the topic**

Working silently and individually, have each person create a few sticky notes in all four quadrants below for about five minutes. With the remaining time, discuss notes in each quadrant.

**What went well?**

What should we keep doing?  
What should we celebrate?  
Where did we make progress?

**What went poorly?**

Where did we have problems?  
What was frustrating to us or others?  
What held us back?

TOPIC

Workstation engineering team Sprint 10

Not done applied

There have been blockers

Manage the backlog

It's a new age thing

Validation

Which features are comparable with

Support to the job

Order know-how

Looking to understand feedback


Speaking business sense

What ideas do you have?

When longer do you have for future work together?  
Where do you see opportunities to improve?  
What has surprised you about it?

**How should we take action?**


What do you believe we should do next?  
What specific things should we change?  
What should we do beyond this meeting?



**Need some inspiration?**

See a finished version of this template to visualize your work.

[Open example](#)



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## 2.2 IDEATION & BRAIN STORMING MAP :

### Brainstorm & idea prioritization

Use the following ideas to brainstorm and prioritize ideas for your solution.

1. Brainstorming  
2. Prioritization  
3. Ideation

#### Define your challenge

What is the problem you are trying to solve?

1. Define the problem  
2. Identify the stakeholders  
3. Identify the constraints

#### Brainstorm

Brainstorm ideas for your solution.

1. Brainstorming  
2. Prioritization  
3. Ideation

#### Generate

Generate ideas for your solution.

1. Brainstorming  
2. Prioritization  
3. Ideation

#### Prioritize

Prioritize ideas for your solution.

1. Brainstorming  
2. Prioritization  
3. Ideation

#### Implement

Implement your solution.

1. Brainstorming  
2. Prioritization  
3. Ideation

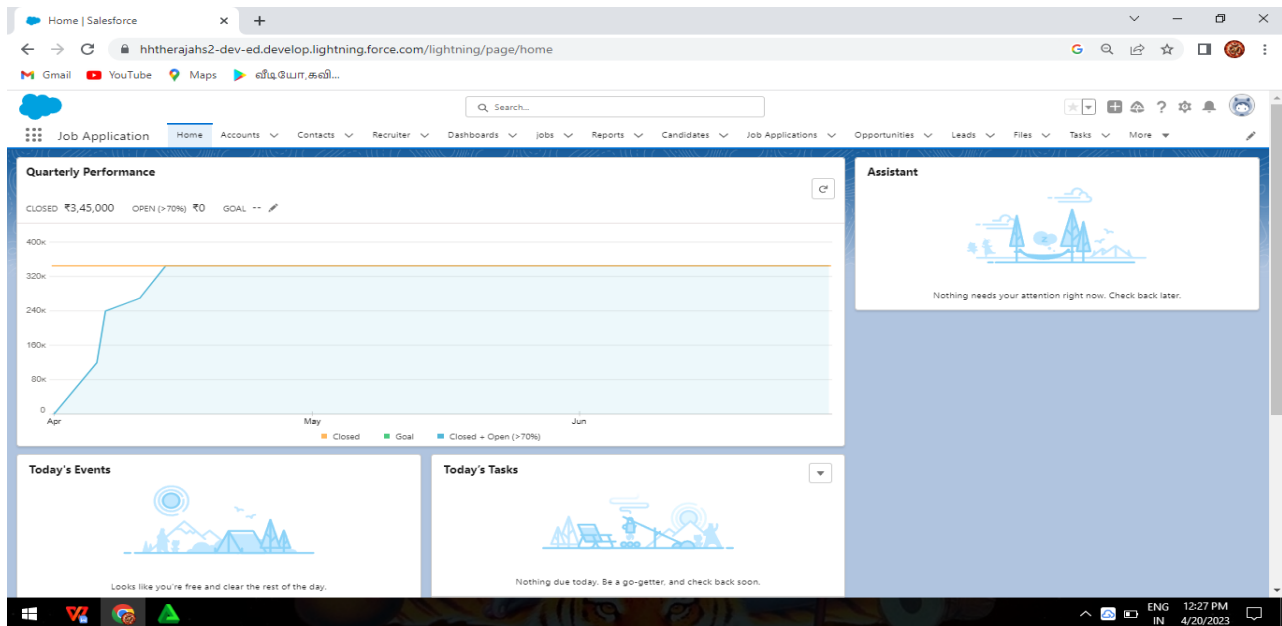
### 3. RESULT :

#### DATA MODEL:

Object name	Fields in the Object	
<b>Object 1</b>  <b>RECRUITER</b>	<b>Field label</b>	<b>Data type</b>
	Recruiter Number	Text
<b>Object 2</b>  <b>Jobs</b>	<b>Field label</b>	<b>Data type</b>
	Description	Text Area
	Jobs number	Text (80)
	Location	Text (30)
	Recruiter	Master-Detail (Recruiter)
<b>Object 3</b>  <b>Candidate</b>	<b>Field label</b>	<b>Data type</b>
	Candidate Number	Text (80)
<b>Object 3</b>  <b>Job Application</b>	<b>Field label</b>	<b>Data type</b>
	Job Application Name	Text (80)

## 3.2 Activity & Screenshot

### JOB APPLICATION APP



## OBJECT 1: RECRUITER

The screenshot shows the 'New Recruiter' form in the Salesforce Job Application App. The form is titled 'New Recruiter' and has a 'Recently Viewed' section at the top. The main form area is titled 'Information' and contains a required field for 'Recruiter Number' and a field for 'Owner' (Muthukkannan G). The form has 'Cancel', 'Save & New', and 'Save' buttons at the bottom. The bottom status bar shows the user is logged in as 'ENG 12:28 PM IN 4/20/2023'.

Recruiters are the primary users of job application tracking systems (ATS) and they use the system to streamline and automate the recruitment process.

## OBJECT 2: JOBS

The screenshot shows the Salesforce 'New Jobs' form. The form is titled 'New Jobs' and is located within the 'Jobs' tab. It contains the following fields: 'Jobs Number' (a text input field), 'Recruiter' (a dropdown menu with a search icon), 'Description' (a text area), and 'Location' (a text input field). At the bottom of the form, there are three buttons: 'Cancel', 'Save & New', and 'Save'. The background shows the Salesforce interface with a search bar and various navigation tabs.

Recruiters are the primary users of ATS systems, responsible for posting job openings, reviewing resumes and applications, and communicating with candidates.

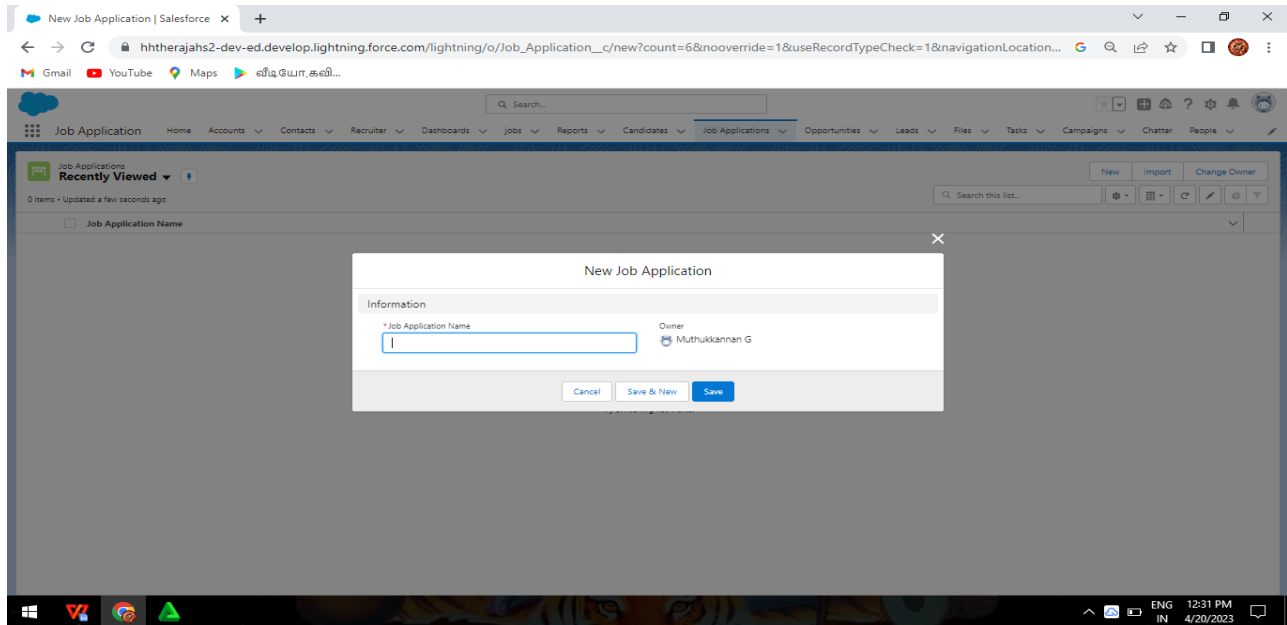
## OBJECT.3: CANDIDATE

The screenshot shows the Salesforce 'New Candidate' form. The form is titled 'New Candidate' and is located within the 'Candidates' tab. It contains the following fields: 'Candidate Number' (a text input field) and 'Owner' (a dropdown menu showing 'Muthukkannan G'). At the bottom of the form, there are three buttons: 'Cancel', 'Save & New', and 'Save'. The background shows the Salesforce interface with a search bar and various navigation tabs.

A job application tracking system (ATS) is primarily used by employers and recruiters to manage the recruitment process, but candidates can also use the system to their advantage.



## OBJECT 4: JOB APPLICATIONS



Job seekers can use a job application tracking system (ATS) in several ways to help them in their job search.

### 4. Trailhead Profile Public URL

Team Lead : <https://trailblazer.me/id/muthg10>

Team Member1 : <https://trailblazer.me/id/boobmg15>

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

Team Member 3 : <https://trailblazer.me/id/ssatheesh18>

## 5 ADVANTAGES & DISADVANTAGES

### Advantages:

There are several advantages of using a job application tracking system (ATS) for both.

- ❖ **Time and Cost Savings:** An ATS can save time and reduce costs by automating many aspects of the recruitment process, such as posting jobs, screening resumes, and scheduling interviews.
- ❖ **Improved Efficiency:** By centralizing all recruitment activities in one system, an ATS can improve the efficiency of the recruitment process and reduce errors or redundancies.
- ❖ **Enhanced Candidate Experience:** An ATS can provide candidates with a better experience by providing timely updates on their application status and allowing them to apply to multiple positions at once.
- ❖ **Better Candidate Matching:** With advanced search and filtering capabilities, an ATS can help employers and recruiters match candidates with the most suitable job openings, reducing the time it takes to fill a position.
- ❖ **Data Analytics:** An ATS can provide valuable insights into the recruitment process, such as the sources of the most qualified candidates or the time it takes to fill a position, allowing employers to improve their recruitment strategies over time.

### Disadvantages:

While there are many advantages to using a job application tracking system (ATS), there are also some potential disadvantages to consider:

- ❖ **Technical Difficulties:** ATS systems can be complex and may require specialized training to use effectively. Technical difficulties such as software glitches or network outages can also occur, potentially slowing down or interrupting the recruitment process.
- ❖ **Limited Flexibility:** Some ATS systems may be inflexible, making it difficult to customize the system to specific recruitment needs or to adjust the workflow as needed.
- ❖ **Potential Bias:** Since an ATS relies on algorithms to screen and rank resumes, there is a risk of unintentional bias against certain candidates based on factors such as their educational background or work experience.
- ❖ **Poor Candidate Experience:** If an ATS is not well-designed, it may be difficult for candidates to navigate or understand, potentially leading to frustration or confusion.

## 6. APPLICATIONS

To use a job application tracking system (ATS), employers and recruiters typically need to purchase a subscription or license to a software platform that offers ATS functionality. Once the system is set up, employers can customize the application process and post job openings to various job boards and social media platforms.

- ❖ When candidates apply for a job through an ATS, their application information is stored in a database within the system. The ATS then uses algorithms to screen and rank resumes based on factors such as relevant experience, education, and skills.
- ❖ Recruiters can use the ATS to review resumes and applications, communicate with candidates, and schedule interviews. The ATS can also generate reports and analytics on various recruitment metrics, such as time-to-hire or the sources of the most qualified candidates.
- ❖ Candidates can access the ATS either through a job board or directly through the employer's website. The application process may involve creating an account, filling out a profile, and uploading a resume and cover letter. Candidates can track the status of their application and may receive automated updates on their progress in the hiring process.

## 7. CONCLUSION

In conclusion, a job application tracking system (ATS) can be a valuable tool for both employers/recruiters and job seekers. By automating many aspects of the recruitment process, an ATS can save time and reduce costs, while also providing a better experience for candidates. ATS systems can help match candidates with the most suitable job openings, and provide valuable data insights to improve recruitment strategies over time. However, there are also potential disadvantages to using an ATS, such as technical difficulties, limited flexibility, and the risk of unintentional bias. Ultimately, the decision to use an ATS should be based on the specific needs and goals of the employer or recruiter, as well as the preferences of job seekers.

## 8. FUTURE SCOPE

The future of job application tracking systems (ATS) is likely to involve continued advancements in technology and a focus on improving the user experience for both employers and job seekers. Some potential future developments in ATS systems could include:

- ❖ **Artificial Intelligence (AI) Integration:** ATS systems may increasingly incorporate AI and machine learning algorithms to improve the screening and matching of candidates to job openings.
- ❖ **Mobile Optimization:** With more job seekers using mobile devices to search for and apply to jobs, ATS systems may need to be optimized for mobile platforms to provide a seamless user experience.
- ❖ **Virtual Recruiting:** The COVID-19 pandemic has accelerated the adoption of virtual recruiting technologies, such as video interviews and virtual career fairs. ATS systems may need to incorporate these technologies to keep pace with the changing needs of the recruitment landscape.
- ❖ **Improved Analytics:** As data analytics become increasingly important in recruitment, ATS systems may need to provide more advanced reporting and analytics capabilities to help employers and recruiters make better decisions.

- ❖ **Greater Customization:** ATS systems may need to offer more flexibility and customization options to meet the specific needs of different employers and recruitment teams.

Overall, the future of job application tracking systems is likely to involve ongoing innovation and adaptation to meet the changing needs of the recruitment landscape.