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## Job Tracking System

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### ABSTRACT:-

It can be a distress to track all of your job applications, and we aim to alleviate this pain.

We have created a web app where once signed up and logged in, users can track all of their applications in one place by submitting the relevant information in our forms. Just imagine not having to stress yourself over remembering the details of each application!

Not only can users track all of their applications, but it also reminds them about the upcoming job deadlines.

*Keywords:* Job tracking System, Management tool, Organized applications, Spreadsheets

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### Introduction:-

Ask anyone around what the best part of their job is, and zero times out of 10 they'll say, "Applying for it." A prospective job candidate can apply for a hundred positions in one summer—and there's no way they could've kept it all together without a way to organize and track the progress. When hiring a personal assistant seems a bit out of reach (and out of the budget), a good progress tracking application can save the day.

With so many steps in the modern job application process, there's no room for error. To be most successful and land a higher-paying job faster, you need to keep on track of all the balls in the air, respond quickly to everyone, and make it easy to update your champions on where you're at in the search.

That's where a job tracker comes in. It's a management tool that helps you keep track of all the jobs that you applied for.

With a job search tracker, you can:

- Get peace of mind that you're never dropping the ball
- Organize everything in one place
- Work smarter, not harder
- Put automation software and data science to work for you
- Optimize your search

A job tracker, thus, is a useful tool that helps keep an individual organized and on top of things at every step of their search, from preparing for their applications to preparing for the interviews, and everything in between.

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### Problem Formulation:-

At the present time getting a good job is a very intricate task for any job seekers. When a job prospect starts a new job search, it is important to keep track of the roles and companies they are applying for. Tracking the status of each application ensures they know when and how they applied, when to follow up, and helps to prepare for interviews if and when the time comes. In this proposed study, an attempt has been made for finding the solution for job seekers wherein they are able to organize and analyze their job applications.

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### Literature Review:-

Review of the previous progress done in that field is a crucial step in any project. This helps analyze, evaluate from the existing systems, learn from them, determine their shortcomings and improve. We reviewed some of the very specific tools that are available in this domain.

When a team begins a study of the software utilizing an existing system, the analysis begins. The existing softwares is capable of organizing data wherein the user has to manually edit all the information related to their requirement. As a result, it consumes a lot of time and is susceptible to errors that may go undetected. Another drawback is that there is no dedicated space for the prospective job seekers to keep a record of their applied job applications. The one's that exist need technical knowledge to an extent where an individual has to deal with some complicated functions. Also, there is no way an applicant can constructively examine the frequency for the jobs they applied for and intend to apply further. Therefore, it becomes difficult to organize and analyze the information leading a prospective candidate in the spiral of anxiety.

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### Methodology:-

The proposed system is an automated Job Tracking System. Through our software the users will be able to track their job applications. Our system has the following features:

- User-friendly Interface
- Less error
- Search and filter function
- Graphical Representation of the user information for easy interpretation
- Help the user with notifications on due test or interview dates

Firstly, to start the project, we'll be making sitemaps and wireframes of the site, to help us in building our application. All the implementation takes place in ReactJS. We'll be developing a website using ReactJS wherein the user will first have to register themselves with the portal to access its services. After creating the account, the user will be redirected to the login section.

The data of the user is stored within the browser with the help of local storage API. LocalStorage does not clear data when the browser closes. This makes it ideal for persisting data not bound to the current browser tab.

After the user will log in a Dashboard will be displayed with the following tabs:

**Stats:** Clicking on this tab it displays the status of job applications such as whether the job application is declined or pending, or an interview is scheduled along with their count. To enhance the user experience a Monthly Application chart is also displayed which shows the number of applications to which the user has applied per month.

**All Jobs:** In this tab users can search for the job to which they have applied previously with the functionality of applying filters like Status (pending, interview scheduled, or declined), Type of job eg: full-time, part-time, internship, or remote, and Sort according to the latest, oldest and alphabetically in ascending and descending order applications.

**Add Job:** In this tab, users can add the job to which they have applied and fill in the details in the fields such as position, company, location, status (pending, interview scheduled, or declined), and job type (Full-Time, Remote, Internship, Part-Time).

**Profile:** This tab displays the name, email id, and current location of the user. Users can edit these details whenever they want which lets them maintain their profile on the portal.

**Reminder:** When the last date to apply for a particular job role or the interview date is closed this functionality will remind the user.

**Edit Job Application:** After searching for the required job application in the All Jobs tab user can update the status for a particular job application.

**Delete Job Application:** After searching for the required job application in the All Jobs tab user can delete the details of the job application which is no longer required to be tracked.

Since the application is built completely using React.js the whole data for a particular account is stored in the local storage of the browser. The LocalStorage property of Javascript stores data even after the browser is closed and data is available for future use.

System Architecture of Job Tracking System : The client-tier is at the very top of the pyramid. The application's client-tier is usually designed to encourage user engagement. The client-side interface is built on HTML, which allows the web browser to interact with the program. HTML was used to specify the format and layout of online pages as well as the presentation of data through a web browser. The middle-tier is a more complicated level that houses the majority of the application logic that transfers data between the system's various layers in ReactJS using Components and props.

Illustrations :-

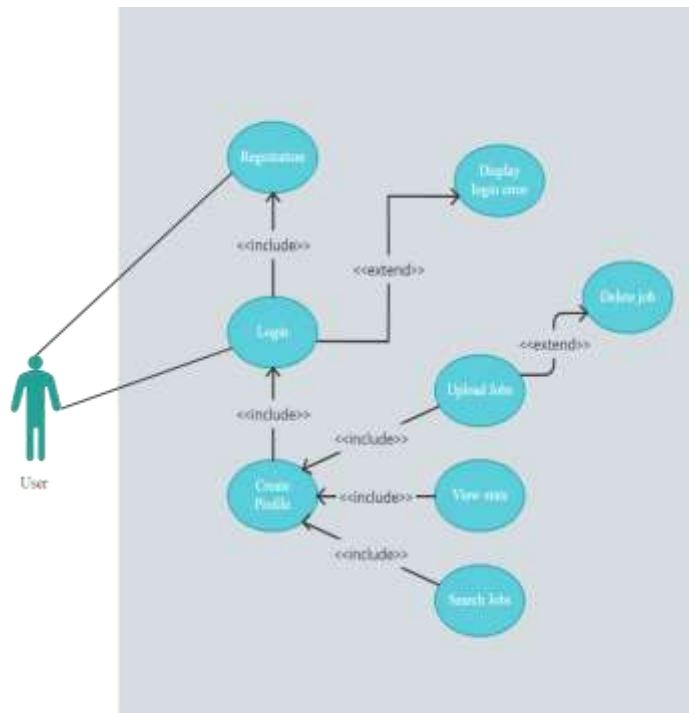


Fig- 1 : Use case diagram

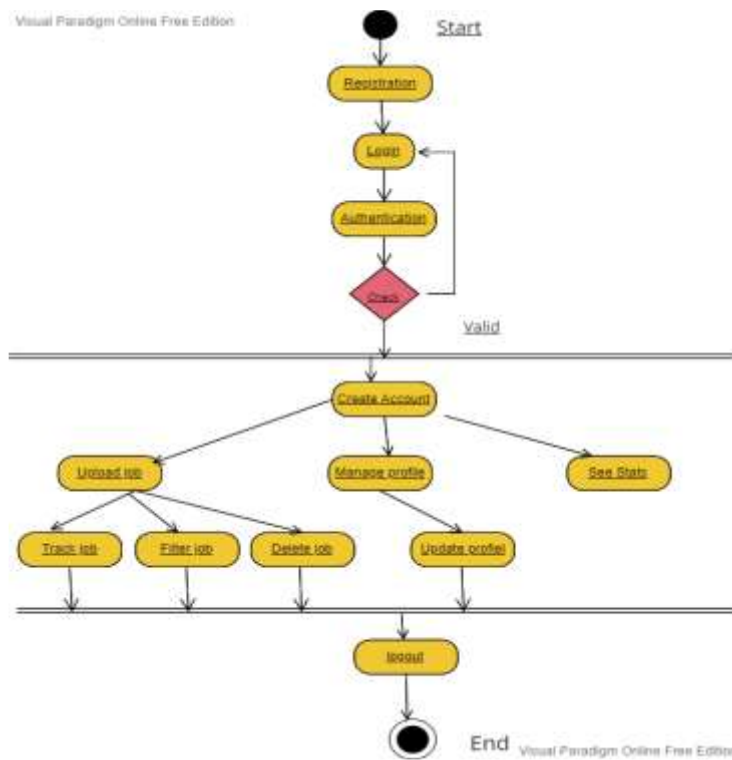


Fig- 2 : Activity diagram

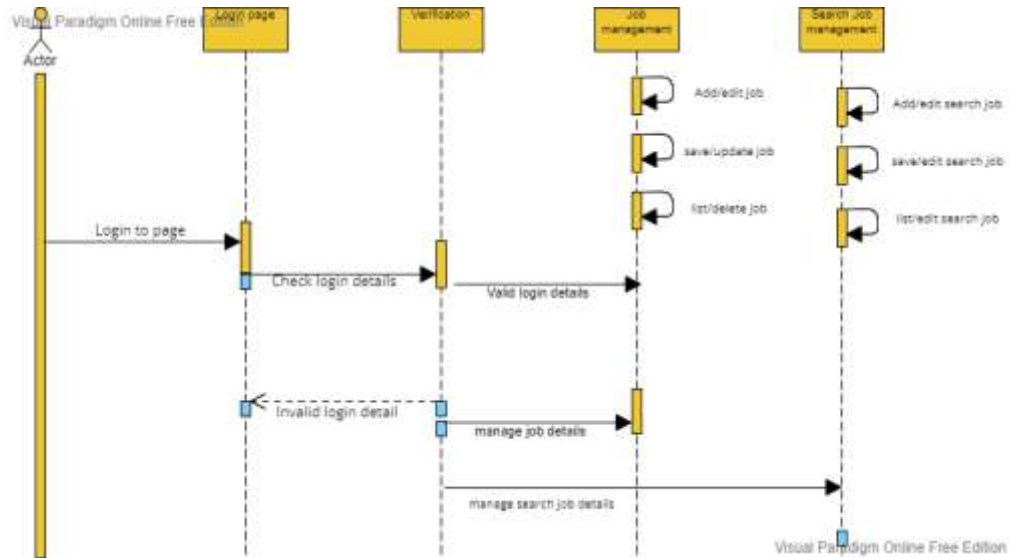


Fig- 3 : Sequence diagram

### Result Discussions:-

Our website is an effort to keep job candidates organized, help them in keeping a track of all their job applications, know the status of each of them, when to follow up, and everything they need at every step of the procedure.

Properly organizing and managing the job search is as important as applying for job opportunities. Therefore, our website will enable the user to keep track of all the important deadlines, companies, the role they are applying for, and whether or not the application was a success, and all this with just a click or filling out the necessary information, without the need of creating various separate columns (like in Excel) and maintaining them.

### Conclusion:-

In this occupied world, it is a daunting task to keep track of all the job applications that you have applied for. So to make this task of job-hunting easier and less hassle-free, the applications we are building will be of great help. The primary goal of our project is to reduce human effort and errors that pertain while manual storing of information. All records are locally stored, which makes its maintenance more efficient. The navigation control works seamlessly to help users move through the website. With the use of this application, the user will be able to keep track of all the jobs that he has applied for. He will be able to update a new job to the portal with all the information regarding the job such as deadlines, the information about the ongoing interview process, stats for all the job-related activities on the website.

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