JOB PORTAL SYSTEM

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2. Introduction

At present, there is a job-crisis and it's very hard to find jobs for employees. Even if the employees are having good talent, they suffer in finding the right job. Also, that is not easy for the recruiters to recruit perfect employees what they exactly want. some employees are employed, but not at the place where they really should be. so, this job portal helps the employees to find job vacancies appropriately online. Then recruiters view their profile from database and contact if they expect from those employees to be suitable for particular vacancy. So, hidden talent can be come out.

2.1 Purpose

The purpose of designing the online job portal is to give the job seekers a platform for finding a right and a satisfactory job according to their qualification. It also connects the job seekers with the major agencies.

In short, the purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our client, team and audience see the product and its functionality. Nonetheless, it helps any designer and developer to assist in software delivery lifecycle (SDLC) processes.

2.2   scope

The scope of the online job portal includes:

The Online Job Portal System that is to be developed provides the members with jobs information, online applying for jobs and many other facilities. The basic scope of the project is given as under.

Job seekers area

Job providers area

Administrator's panel

2.3   objectives

This project is aimed at developing a web site for Online Job Portal. It is of great importance to the unemployed people. This site allocates the right

job information for suitable persons. All the jobseekers as well as job

providers' information is stored in the database.

3. Functional Requirements

It is the primary requirement that is fulfilled by our job portal. It's allowing the users, and employers to use our portal at the level ease. The purpose of our portal is to provide the full information that is required of the user. Here is the following requirement that is fulfilled by our system.

3.1   Primary Actors of the System

Users

- **User Login**

This feature is used by the user/admin to login into the system.

A user/admin must log in with his user's name and password to the system after registration. If they are invalid, the user is not allowed to enter the system.

- Username and password will be provided after user registration is confirmed.

- Password should be hidden from others while typing it in the field.

- **Register New User**

  A new user will have to register in the system by providing essential details in order to apply in the job. The admin must accept a new user.

  - The system must be able to verify and validate the information.
  - The system must encrypt the password of the user to provide security.

- **Search Jobs**

  The user can search for the desired jobs. He can view different jobs. After confirming the login in the search user can select it and apply by providing the necessary details.

- **Upload Resume**

  The job seekers can upload their resumes and provide the necessary details if they are interested in jobs.

Admin

- **Manage Users and Employers**

- The administrator can add users, delete users, and view users.

- **Manage jobs**

- The administrator can add jobs, delete jobs, hide jobs, and view jobs.

- **Manage details**

- The system must identify the login of the admin.

- Admin account should be secured so that only the owner of the portal can access that account.
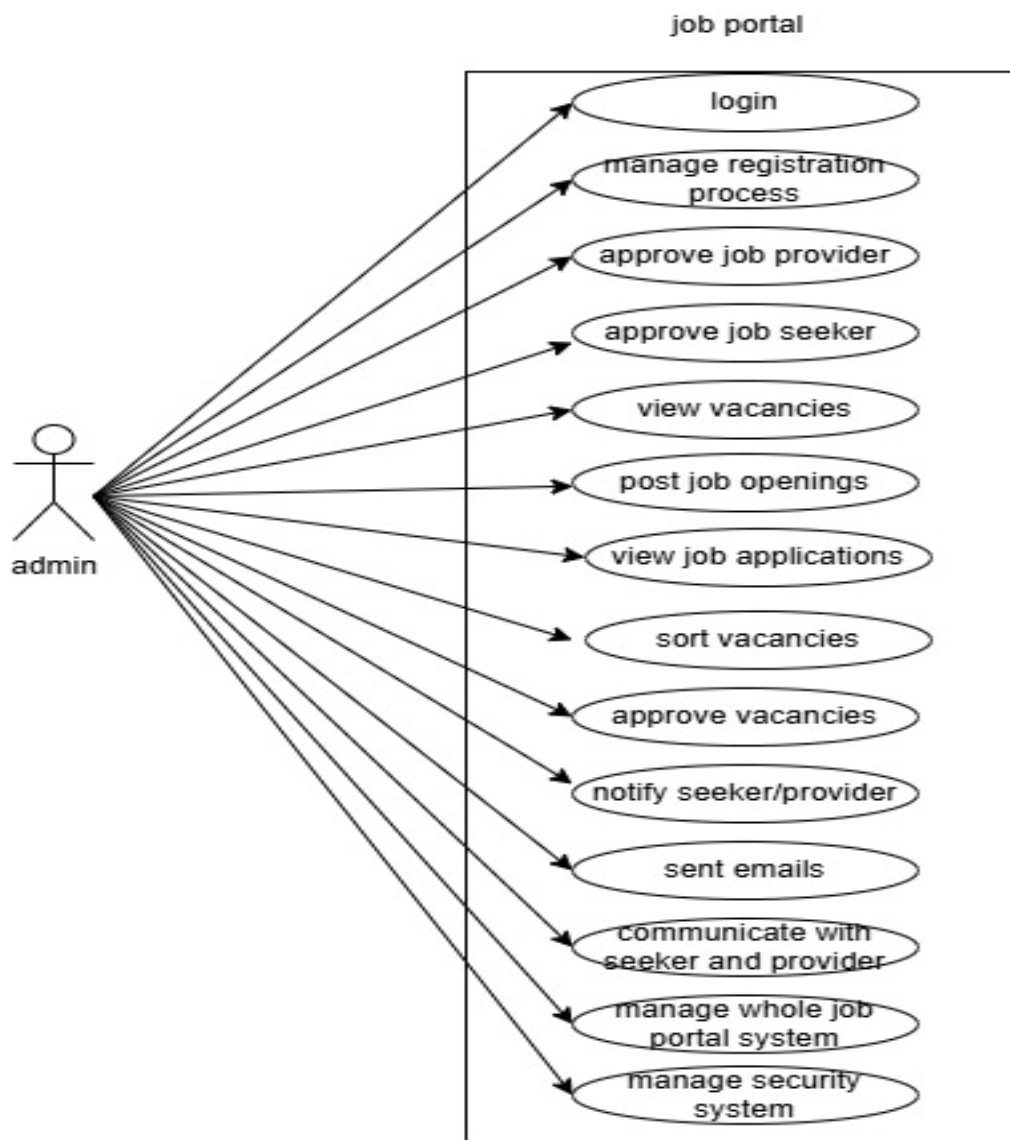
Jobseekers

- Ability to search resume by keyword, job category, days since posted Post jobs with detailed job description (job title, company name, location, salary, job type, work type, description, required skills...)
- Ability to create and edit a company profile

- Ability to add company logo
- Retrieve password reset by automated email
- Employer registration
- Reporting information on how much time left on each job posting
- Information on number of vacancies viewing and application
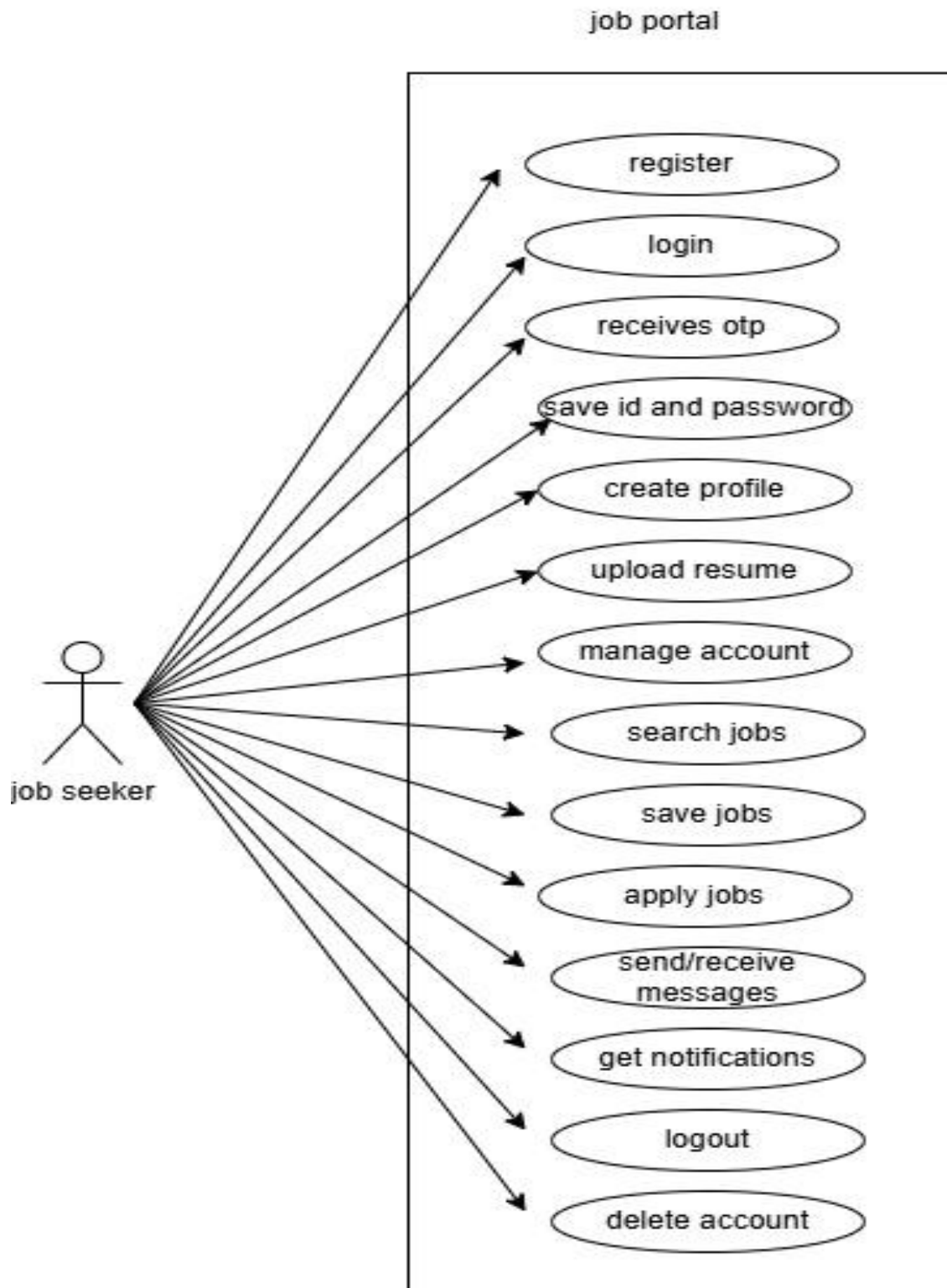
3.2 Use Case Diagrams

The use case diagram illustrates the operation and functionality of a job portal system along with the three major actors involved - the job seeker, the job provider and the admin. Every actor has some roles and activities that help the system to work effectively.
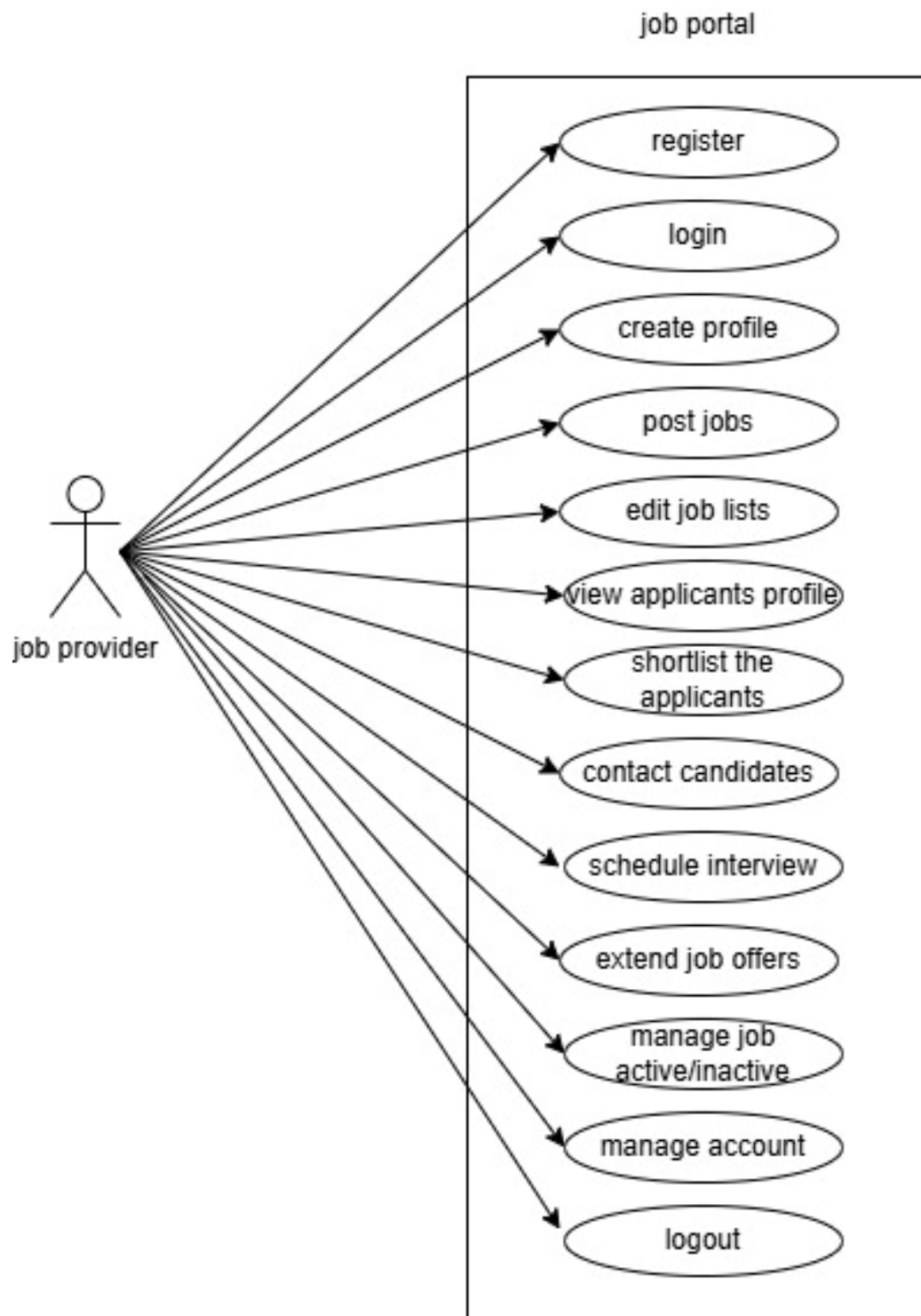
3.2.1 ADMIN

3.2.2   JOB SEEKER

job portal

3.2.3   JOB PROVIDER

job portal

3.3 User Stories

A user story is an informal, general explanation of a software feature written from the perspective of the end user. Its purpose is to articulate how a software feature will provide value to the customer. A user story is essentially a tool used in Agile development to capture a description of a software feature from an end user's perspective. It helps teams create value for their customers with the guidance of a simple format:

"As a [persona], I [need] to [benefit]."

3.2.3 ADMIN

AS A [PLATFORM ADMIN]	I NEED TO [DO SOME TASK]	SO THAT I CAN [GET SOME RESULT]
As a platform admin	Manage complete job seekers actions on job portal	Activate/deactivate/delete/edit job seekers information.
As a platform admin	View job seekers applications for each job	Redirect the applications into job providers vacancies.
As a platform admin	Manage posted jobs	Activate/deactivate/delete/edit posted jobs on job portal.
As a platform admin	sent messages to any job seeker or job provider	Inform the updates on time.
As a platform admin	Manage and handle the prohibited words from job portal	Make the app standard and safe.
As a platform admin	Add/edit countries, cities, salaries	Make the users to use the app easily using filter function.

	range, qualification, institutes, industries on job portal	
As a platform admin	Sent bulk number of emails	Inform the job seeker and job provider about the job vacancies.
As a platform admin	Receive notifications of new job seekers, job providers and job posting	View details and number of newly added jobs, job seekers and job providers.
As a platform admin	Approve job providers before they can post job listings on the platform	Ensure the quality of job listings on the platform and prevent fraudulent job postings.
As a platform admin	Manage both job seekers and job providers profile	Give a solution to both their requirements.

3.2.3 JOB SEEKER

AS A [JOB SEEKER]	I NEED TO [DO SOME TASK]	SO THAT I CAN [GET SOME RESULT]
As a job seeker	Register into the application by entering details	Make my data available to job providers and use the system capabilities reserved for registered users.
As a job seeker	Receive the secret code through email	Make my account safe and private from Froud entries.

As a job seeker	Login to the job portal using id and password	Enter into my own page and that is safe from other individuals.
As a job seeker	Save the login id and password	Enter into the job portal app at any time.
As a job seeker	Build my profile using job portal	Attach my career details using functionality of website.
As a job seeker	Upload my resume	Give a brief and standard portfolio document.
As a job seeker	Add/Edit profile information including qualification, experience, and skills	Update my details and designation with my career goals.
As a job seeker	See the jobs and companies in job portal	Search for my jobs in search bar using designation.
As a job seeker	Search for jobs on search bar using keywords	Get the appropriate vacancies on job portal.
As a job seeker	Filter the vacancies with date, experience, place and company in job portal search bar	Get most relevant job that suits my designation and experience.
As a job seeker	Apply for a job from the job portal	Get to my job with appropriate designation.
As a job seeker	Get the notifications	Latest updates of my jobs.
As a job seeker	Save jobs	Put the job details in queue and apply on later from the list.
As a job seeker	Receive the emails from job providers	Know the responds from applied vacancies.

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As a job seeker	Deactivate and delete my account in job portal	Make my details permanently deleted from the account and make the space free.

3.2.3 JOB PROVIDER
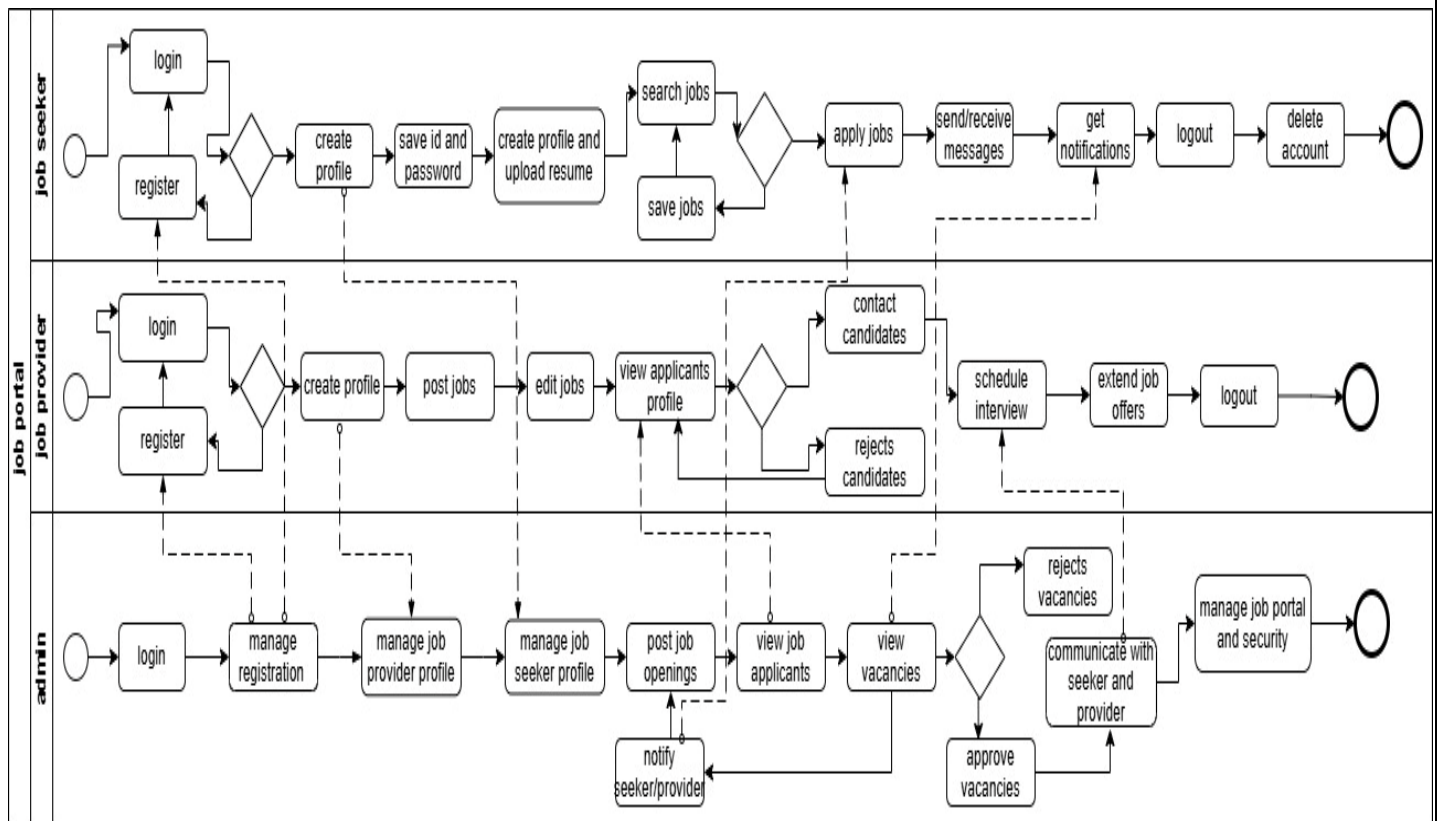
AS A [JOB PROVIDER]	I NEED TO [DO SOME TASK]	SO THAT I CAN [GET SOME RESULT]
As a job provider	Create the id and details	Provide the company details and information background.
As a job provider	Receive the email verification	Make the account safe and private.
As a job provider	Post a job on the portal	Information job opening and attract potential candidates
As a job provider	See the list of job seekers applied for the vacancy	Select the employer for the selected categories
As a job provider	Sort out the employees using filter functions of experience, designation, residence and skills	Select the appropriate employees for the designation.
As a job provider	Sent message to job seeker	Schedule the interview date, time and place.
As a job provider	Download the user resume	Save the user details documents
As a job provider	Review, Accept/Reject received candidate	Access their qualifications and determine whether to move the hiring process.

	application on the job portal	
As a job provider	Edit/Deactivate posted jobs	Make the space free.

3.4 Business Process Diagram

A business process diagram refers to a visual representation of the flow of activities involved in achieving specific business goals. They are used to document and analyse business process and can be helpful for identifying bottlenecks, inefficiencies, and opportunities for improvement. By creating a visual business process flow diagram, you unlock your mind to actually see the invisible road that your data is travelling.

2. Non-Functional Requirements

- Performance
  - Response Time: Ensure that the portal responds quickly to user interactions, such as job searches and application submissions (e.g., under 2 seconds for most operations).
  - Scalability: The system should handle increasing numbers of users, job postings, and applications without performance degradation.
- Reliability
  - Uptime: Ensure high system availability with minimal downtime (e.g., 99.9% uptime).
  - Error Handling: Implement robust error handling and recovery mechanisms to manage system failures and ensure continuous operation.
- Security
  - Data Encryption: Encrypt sensitive data, including personal information and application details, both in transit and at rest.
  - Authentication and Authorization: Use secure authentication methods and role-based access control to protect user accounts and data.
  - Data Privacy: Ensure compliance with data protection regulations (e.g., GDPR) to safeguard user privacy.
- Usability
  - User Interface: Design an intuitive and user-friendly interface that facilitates easy navigation and interaction for all user roles.
  - Help and Support: Provide comprehensive help resources, including user guides, tutorials, and customer support channels.
- Maintainability
  - Code Quality: Write high-quality, well-documented code to facilitate system maintenance, updates, and troubleshooting.
  - Documentation: Provide detailed documentation for users, administrators, and developers, including operational procedures, technical specifications, and troubleshooting guides.

- Availability
  - Backup and Recovery: Implement regular data backups and establish procedures for recovering data in case of system failures or data loss.
  - Failover: Ensure the system has failover capabilities to switch to backup systems or servers if necessary.
- Portability
  - Cross-Platform Compatibility: Ensure the system is compatible with various devices and operating systems used by users, including desktops, tablets, and mobile devices.
- Supportability
  - Technical Support: Provide mechanisms for obtaining technical support and resolving issues, including help desks, online resources, and customer service.
  - Error Reporting: Include functionality for reporting and tracking issues or bugs within the system.

5. Technical Requirements

Processor	Intel Core i5
Hard Disk	40GB to 80GB
Memory	16 GB RAM
Front end	Windows 10
Database	HTML, CSS, JavaScript, Bootstrap and Angular
Framework	MS SQL
IDE	ASP.NET CORE

6. Conclusion

- The wider areas of job searching facilitate the quick and easy access to opportunities. The increasing job opportunities and changing scenario of the business environment today has made more people to search for better career and employers to search for better potential.

- This situation has prompted many to move to job portals to look for the ways that has been widely accepted and fully useful in job searching. In this sense the job portals assume greater importance and we could develop such an efficient system which is used by lot many job hunters and employers.