

JOB PORTAL

1.INTRODUCTION

Online job portal system is a tool that links companies with job searchers ,companies provide the resource ,and job seekers locate and apply for jobs that makes their interests. This document presents the Software Requirements Specification (SRS) for the Job Portal System. The purpose of this system is to provide an online platform that connects employers and job seekers, streamlining the hiring process. Job seekers can create profiles, search for job listings, and apply to positions, while employers can post job openings, review applications, and manage candidate profiles. The Job Portal System aims to provide a user-friendly, efficient, and secure environment for both parties to interact, improving the recruitment experience.

1.1 purpose:

The main purpose of job portal system is to give the job seekers a well easy platform for finding a satisfactory job according to their interest and qualification.

1.2 Scope:

The Job Portal System allows job seekers to create profiles, search for jobs, and apply for positions. Employers can post job openings, review applications, and communicate with candidates. The system also includes an administrative panel for managing users, job postings, and other platform activities.

1.3 Objectives

The objective of the online job portal system is to provide a comprehensive platform that facilitates seamless interaction between job seekers and employers. The system aims to enable users to create detailed profiles, search and apply for job opportunities, and network with industry professionals.

Employers can post job openings, review candidate profiles, and manage recruitment processes efficiently. The portal also aims to integrate advanced features such as personalized job recommendations, resume building tools, and skill assessments to enhance user experience and streamline the hiring process for both job seekers and recruiters.

2. FUNCTIONAL REQUIREMENT

Primary Actors for Job Portal System

1. Job seeker

The Job Seeker is an individual who is looking for employment opportunities. This actor interacts with the system to search for jobs, apply for positions, and manage their profile.

2. Job provider

The Employer is an organization or individual responsible for posting job openings, reviewing applications, and selecting candidates for available positions.

3. Admin

The Admin user is responsible for overseeing the functionality of the job portal system. They manage user accounts, approve job postings, ensure platform integrity, and generate reports.

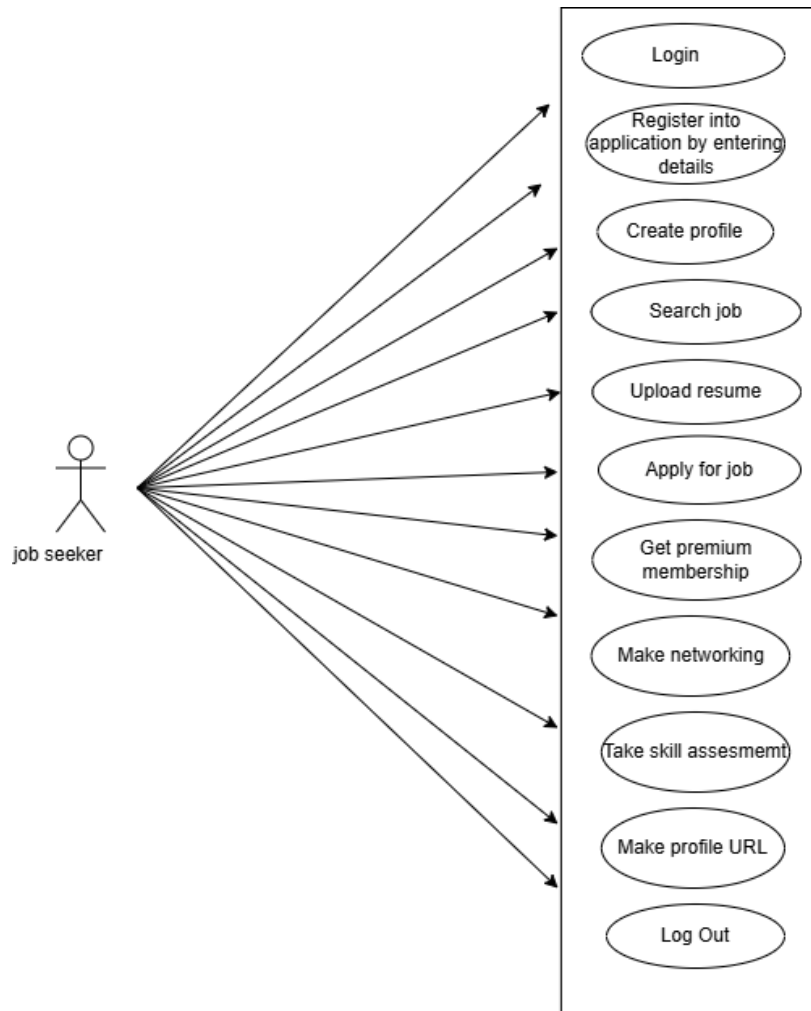
USER STORIES

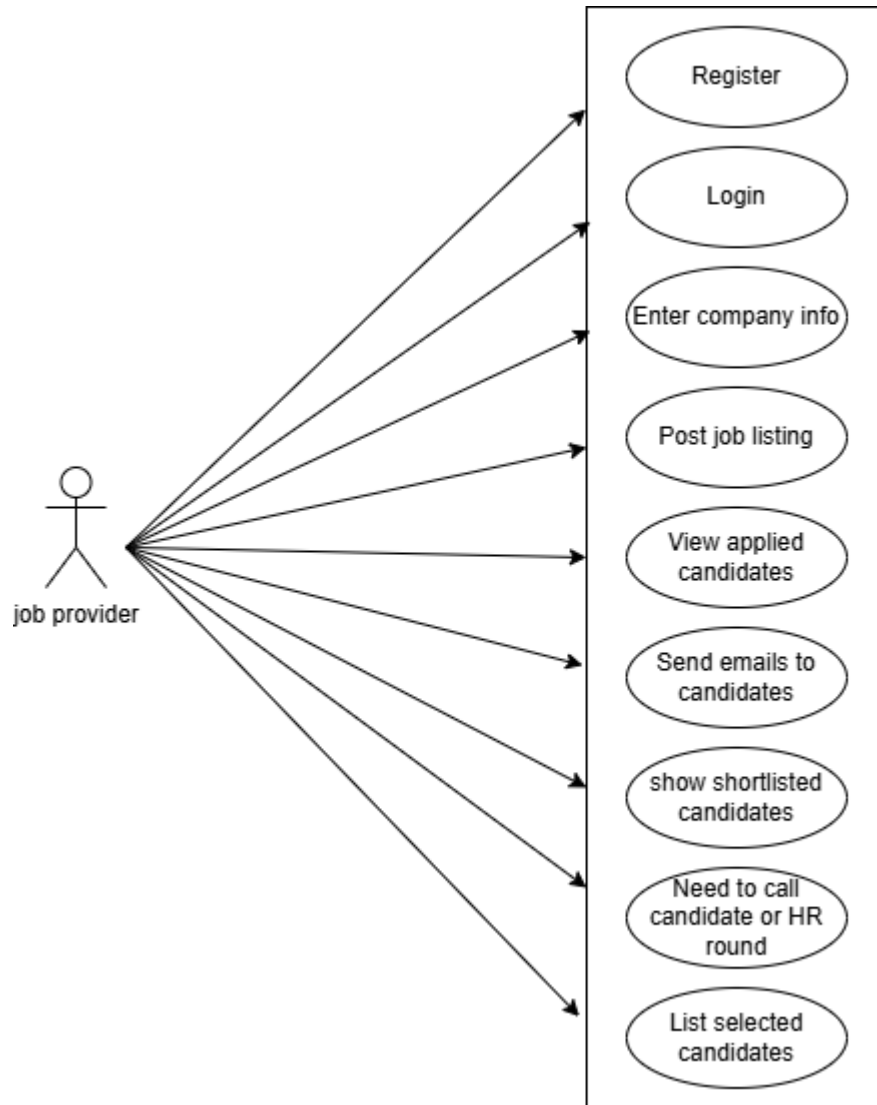
As a [type of user]	I need to [do some task]	So that I can [get some results]
Job Seeker	Log i n	verify my account
Job Seeker	Register into application by entering details	Make my data available to job provider and use system capabilities
Job Seeker	Create profile	Add my details to know about me quickly
Job Seeker	Search job	Find my job based on interest and experience
Job Seeker	Upload resume	Gain more exposure and hiring without applying to a specific job
Job Seeker	Apply for job	Reach to provider
Job Seeker	Get premium membership	Find additional resources
Job Seeker	Make networking	Connect with peoples, gain knowledge
Job Seeker	Take skill assessment	Demonstrate my skills to recruiters
Job Seeker	Make profile URL	Make easier to find my profile
Job Seeker	Log out	Prevent hackers from using my account

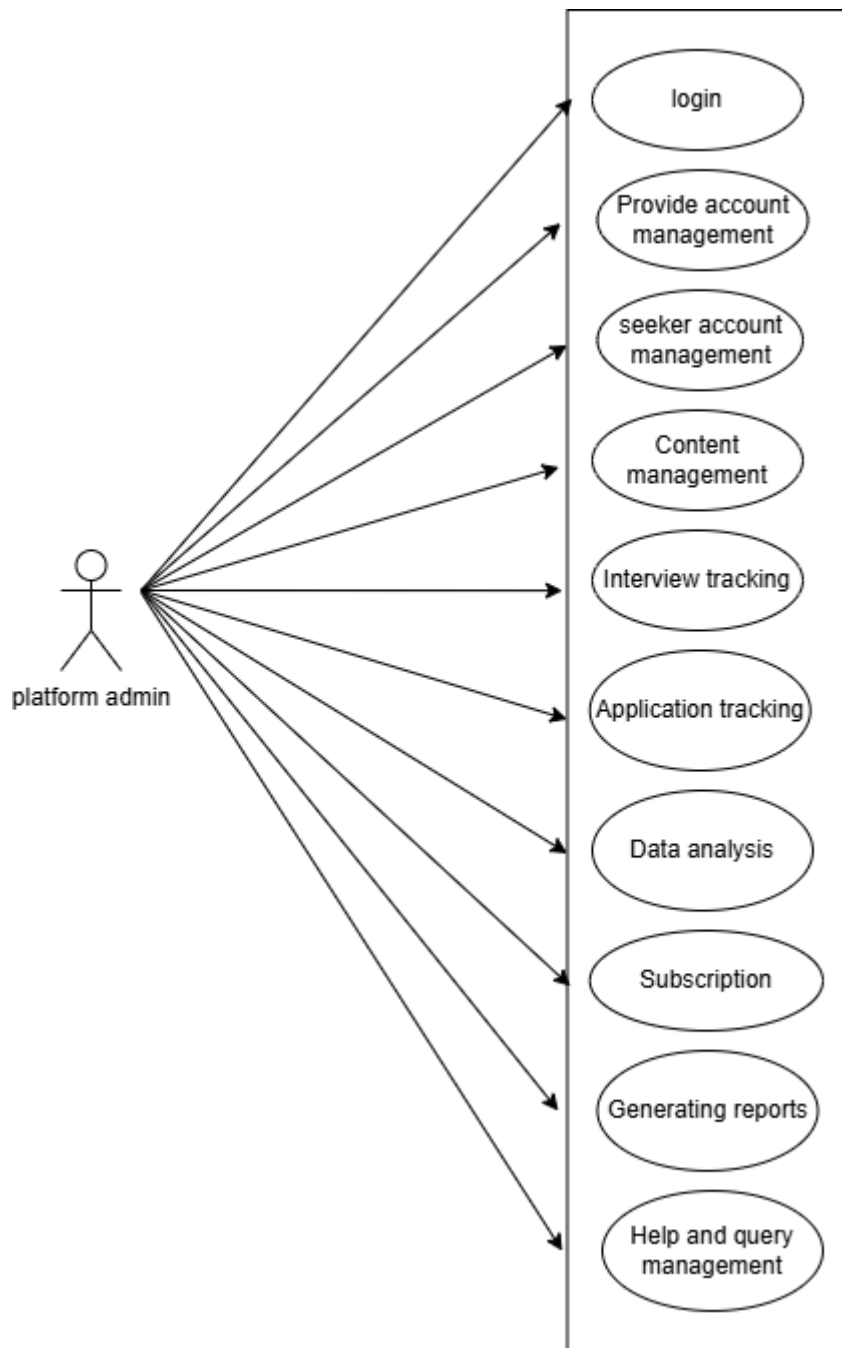
As a [type of user]	I need to [do some task]	So that I can [get some result]
Job Provider	Register into the app by entering details.	Make my data available to job seeker and use the system capabilities reserved for registered users.
Job Provider	After registration, I need to Login into app by giving user name and password.	Job provider get into his login page.
Job Provider	Post company details on the portal.	Candidate can know about the company.
Job Provider	Post a job on the job portal.	Advertise job openings and attract potential candidates.
Job Provider	View applicants details.	Short list candidates for the interview.
Job Provider	Send emails to the shortlisted candidates for the interview.	Candidates will be intimated about the scheduled interview.
Job Provider	Show shortlisted candidate info in the job portal.	Candidate can view their interview status.
Job Provider	I need to call the candidate for the final HR round interview.	Pass the info that the candidate must be available for the final round of interview.
Job Provider	I need to list selected candidates in the portal.	Selected candidate info will be available to top level managers in the company.
Job Provider	I need to add new employee into the system.	The new employee details will be stored into the system.
Job Provider	Log out from the app.	Exit the application.

As a (type of user)	I need to (Do Some Task)	So that I can (Get so result)
Platform Admin	Login	To enter
Platform Admin	Provider account management	To review the account
Platform Admin	Seeker account Management	To review the account
Platform Admin	Content Management	Tracking the application that published
Platform Admin	Interview Schedule	How much interview scheduled
Platform Admin	Application tracking	To help the seeker when their application is not full fill by sending mail
Platform Admin	Data analysis	That help the provider by providing how much sent
Platform Admin	Subscription	To helping premium members
Platform Admin	Generating reports	It shows statistical knowledge of application
Platform Admin	Help and query management	Helping provider and seeker by solving

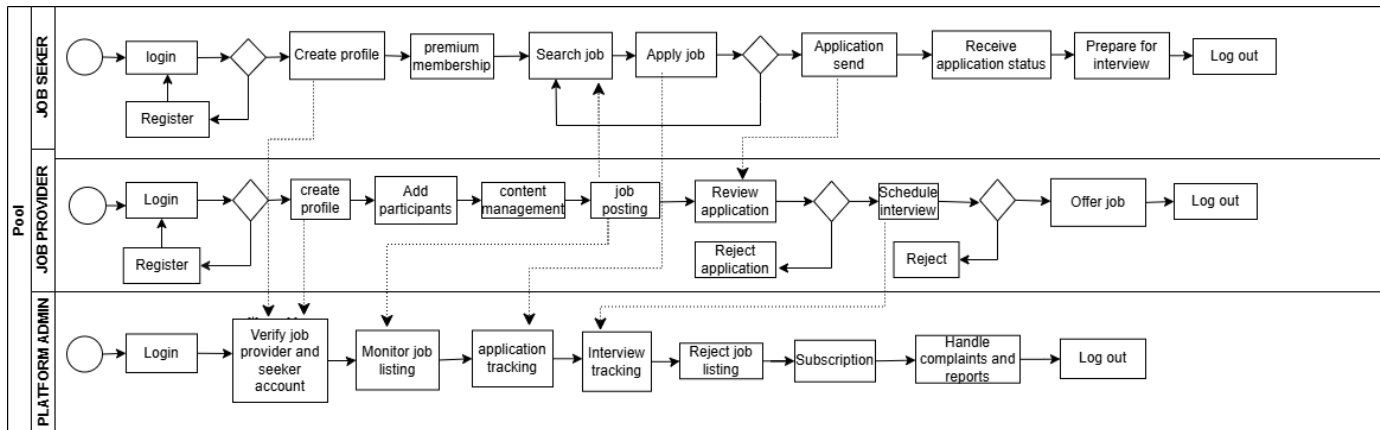
USE CASE DIAGRAM







BUSSINESS PROCESS DIAGRAM



3.Non- Functional Requirements

Non-functional requirements (NFRs) of a job portal system specify how the system should perform and behave, rather than what it should do. These requirements are related to the quality attributes of the system and are crucial for ensuring the system meets user expectations and can handle real-world constraints.

4.Technical Requirements

A job portal system requires a scalable and secure infrastructure, with cloud hosting services such as AWS or Azure, and a relational database like MySQL or PostgreSQL for efficient data management. The backend can be developed using frameworks such as Laravel (PHP), Django (Python), or Node.js, while the frontend should leverage HTML5, CSS3, and JavaScript with frameworks like React or Angular for dynamic user interfaces. The system must support mobile compatibility via responsive design or native apps using React Native or Flutter. It should be compatible with major browsers and devices, incorporate secure authentication (OAuth 2.0, JWT), and use SSL/TLS encryption for data protection. Additionally, caching systems (Redis), email services (SMTP), and load balancers (NGINX) are essential for performance and availability.

5. Conclusion

The job portal system enables job seekers and employers to interact through profile creation, job posting, and application processes. It includes functionalities such as job search, job The proposed job portal system is designed to be scalable, secure, and user-friendly. It requires careful attention to performance optimization, particularly in caching and load balancing, to handle high traffic volumes. Implementing continuous integration and regular security audits will ensure that the platform remains reliable and secure over time. It's recommended to prioritize mobile app development early, as the demand for mobile accessibility continues to rise. Additionally, integrating with third-party job listing APIs or social media platforms could enhance the system's reach and functionality. recommendations, application tracking, and notifications.