



PROJECT REPORT

JOB PORTAL

SOFTWARE ENGINEERING: SECTION 4-B

GROUP MEMBERS

Daniyal Wajid (48528)

Uzair Hassan (48525)

Submitted to: Mr. Muhammad Adnan

Date: 29th April-2024

Table of Contents:

1. Project Description
 - 1.1. Scope
 - 1.2. Major Features
2. Stakeholders List
3. Elicitation Plan & Results
 - 3.1. Description of Elicitation Plan
 - 3.2. Interviews
 - 3.3. Surveys
 - 3.4. Prototypes

1. Project Description:

1.1. Scope:

Job seekers and companies can easily and effectively interact with RIZQ, a cutting-edge online job platform. The Rizq Job Portal project's objective includes creating a thorough web platform with the goal of effectively matching job seekers and businesses. It has features including the ability to register users and create profiles, a powerful job search engine, an employer portal for managing applications and job postings, a safe backend database, and communication tools for easy user engagement. In order to guarantee usability for businesses and job seekers alike, the scope also includes the development of comprehensive documentation and support systems. Direct recruitment services, offline initiatives, and integrations that go beyond the specified parameters are not included in the scope. The initiative aims to prioritize data security, privacy, and regulatory compliance while offering a user-friendly platform for recruiting and job search.

1.2. Major Features:

Key Features:

- User registration: A simple online form that job seekers fill out to create an account.
- Job Search: Extensive search features make it possible for job searchers to locate relevant positions.
- Employer Portal: Employers can publish job openings and monitor the recruitment process on a dedicated employer portal.
- Database: Job Seeker Profiles and Resumes are stored in a secure backend database.
- Tools for Communication: Make it easier for companies and job seekers to communicate.
- Installation, configuration, and support instructions: This makes it simple for companies and job seekers to set up and use.
- User and Technical Support: Committed to addressing both technical and user-related problems.

Additional Features:

- Application Tracking: Job searchers can monitor the progress of their applications with Application Tracking.
- Resume management is simple for job seekers to upload and maintain.
- Management of Job Postings: Employers are able to effectively handle job postings and applications.
- Career Resources: Provide resources, advice, and articles to help job seekers advance their careers.
- Premium Features: Provide employers with premium features to improve their hiring procedures.

Benefits:

- Easy Job Search: Using their choices as a guide, job searches can quickly locate relevant positions.
- Effective Hiring: Companies can locate competent applicants quickly by streamlining their hiring procedures.
- Enhanced User Experience: The user experience is enhanced overall by features like resume management and application tracking.
- Valuable Insights: Provide companies with useful information so they may examine candidate feedback and hiring trends in order to make ongoing improvements.

2. Stakeholders List:

Stakeholder	Category	Role/Duty
Job Seekers	Primary	People who use Rizq to look for jobs, make profiles, and apply for jobs are those who are actively looking for work.
Employers	Primary	Employers and groups seeking to expand their workforce use Rizq to advertise positions, handle applications, and find applicants.
Recruitment Agencies	Secondary	Recruitment and hiring agencies that could use Rizq to find candidates for their clients.
Educational Institutes	Secondary	Universities, colleges, and technical schools that use Rizq to help their alumni and students find employment.
Investors	Supportive	People or groups with financial stakes in Rizq who are motivated to see it succeed and turn a profit.
Advertisers	Supportive	Businesses that use Rizq to market their goods or services in order to connect with employers and job seekers.
Employees	Internal	The internal group that develops, maintains, and runs Rizq; this group consists of programmers, customer service agents, marketers, and administrators.

3. Elicitation Plan & Results:

3.1. Description of Elicitation Plan:

Elicitation is the process of using different methods, such as surveys, interviews, and prototypes, to gain a thorough understanding of user needs and preferences. It involves collecting input from customers and end users and evaluating it to guide the creation and improvement of products and services. In the end, elicitation seeks to guarantee that user expectations and company goals are correlated.

The Elicitation Techniques we are using are:

- Interviews
- Surveys
- Prototyping

3.2. Interviews:

Direct conversations that are meant to comprehend viewpoints, beliefs, or experiences; frequently utilized in problem-solving or research. They are quite famous for gathering information from the Stakeholders.

3.2.1. Do you want a job posting system?

Yes, for employers to post job vacancies.

3.2.2. How long should a job listing remain active on the platform?

Typically, 30 days.

3.2.3. How many job postings should be displayed per page?

Around 10 to 20 listings per page.

3.2.4. What is your budget for developing and maintaining the platform?

Approximately 5 to 10 lakh rupees.

3.2.5. What kind of security measures do you want for user data?

Secure encryption and access controls.

3.2.6. Who should have access to candidate information?

Employers and authorized platform administrators.

3.2.7. Who has authority to edit and update job listings?

Employers and platform administrators.

3.2.8. Can job seekers save job listings for later viewing?

Yes, with a bookmark or save feature.

3.2.9. How long can a job seeker bookmark a job listing?

Indefinitely until removed by the user.

3.2.10. What if a job posting is filled or no longer available?

It will be marked as closed or removed from listings.

3.2.11. What categories of jobs are you looking to feature on the platform?

Various industries and job types based on user demand.

3.2.12. What are the preferred methods for job seekers to search for jobs?

Search by industry, location, salary, etc.

3.3. Surveys:

- 3.3.1** What is your age?
- 3.3.2** What is your gender identity?
- 3.3.3** What is your educational background?
- 3.3.4** What is your employment status?
- 3.3.5** What is your geographic location?
- 3.3.6** How frequently do you use job portals to search for employment opportunities?
- 3.3.7** Which job portals do you currently use, if any?
- 3.3.8** How satisfied are you with the usability and design of the job portals you use?
- 3.3.9** What features do you find most useful in a job portal?
- 3.3.10** How likely are you to recommend the job portals you use to others? What challenges do you encounter when using job portals for job search?
- 3.3.11** What additional features or improvements would you like to see in job portals?
- 3.3.12** How important are factors such as job relevance, location, salary, and company reputation when considering job listings?
- 3.3.13** What types of job listings are you most interested in (e.g., full-time, part-time, remote, freelance)?
- 3.3.14** Do you encounter any accessibility barriers when using job portals? If so, please specify.
- 3.3.15** How important is it for job portals to be inclusive of diverse backgrounds, identities, and abilities?
- 3.3.16** Are there any specific accommodations or features that would make job portals more accessible and inclusive for you?
- 3.3.17** Do you have any additional comments, suggestions, or feedback regarding job portals that you would like to share?
- 3.3.18** Is there anything else you would like to see addressed in future updates or developments of job portals?

Functional Requirements with Description:

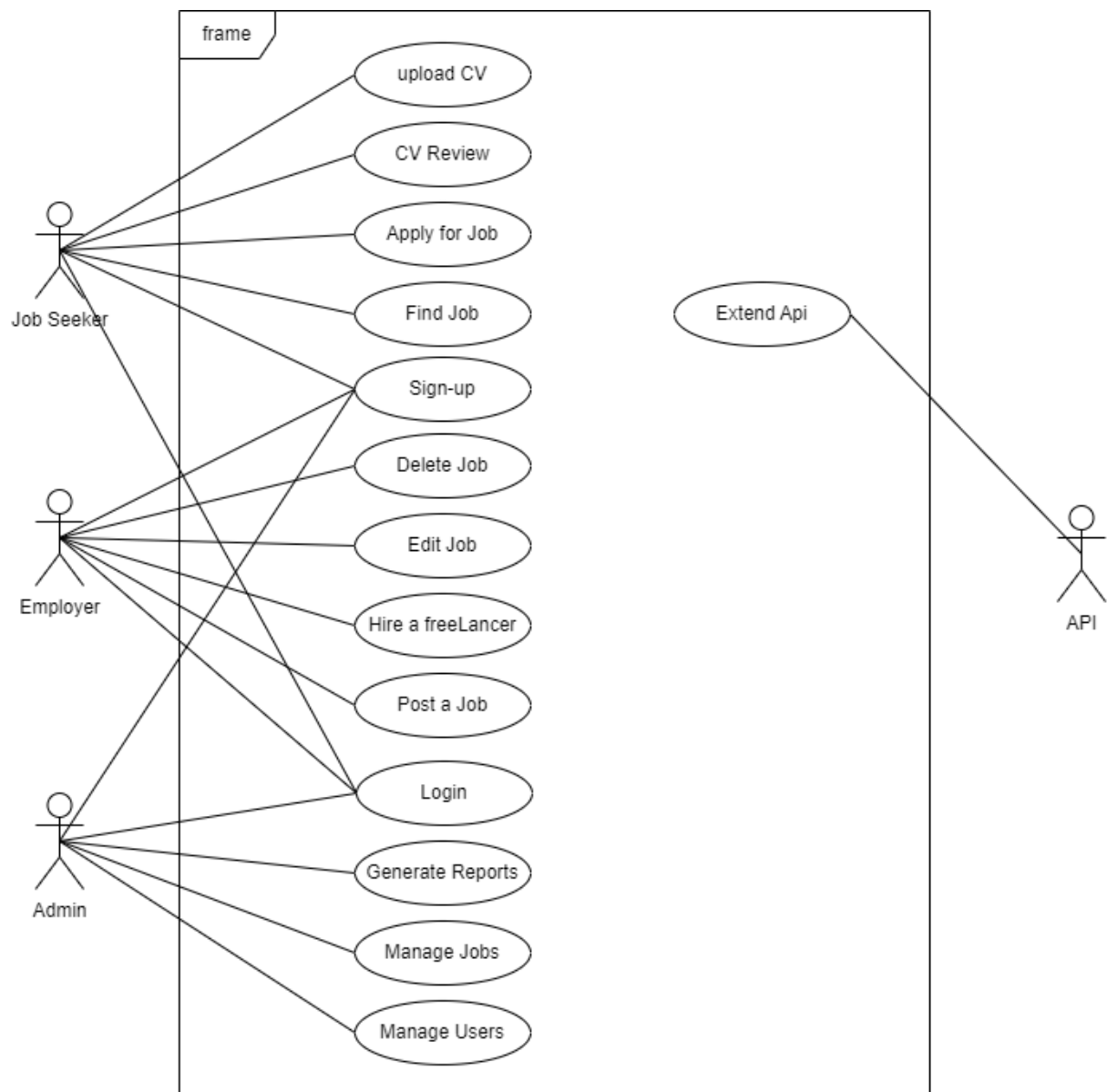
Functional Req. ID #	Function Name	Function Requirement Description
FR1	Login	Registration and authentication
FR2	Profile management	Registered users should have the ability to edit and update their profiles
FR3	Job Posting	Employers should be able to post jobs
FR4	Job Search	Users should be able to search for jobs based on different criteria's
FR5	Analytics	The platform provides analytics and reporting features for employers and administrators
FR6	Notifications	Users should receive notifications for new job postings, application status updates, messages, etc.
FR7	Communication	The platform should facilitate communication between job seekers and employers
FR8	Emp dashboard	Employers should have access to a dashboard
FR9	Job Alerts	Users should be able to set up job alerts based on their search criteria
FR10	Helpdesk	Section or helpdesk where users can find answers to frequently asked questions (FAQs)
FR11	API integration	Allowing third-party developers to build custom applications or integrate with existing HR systems.
FR12	Feedback	Users should be able to provide feedback and reviews

Non-Functional Requirements with Description:

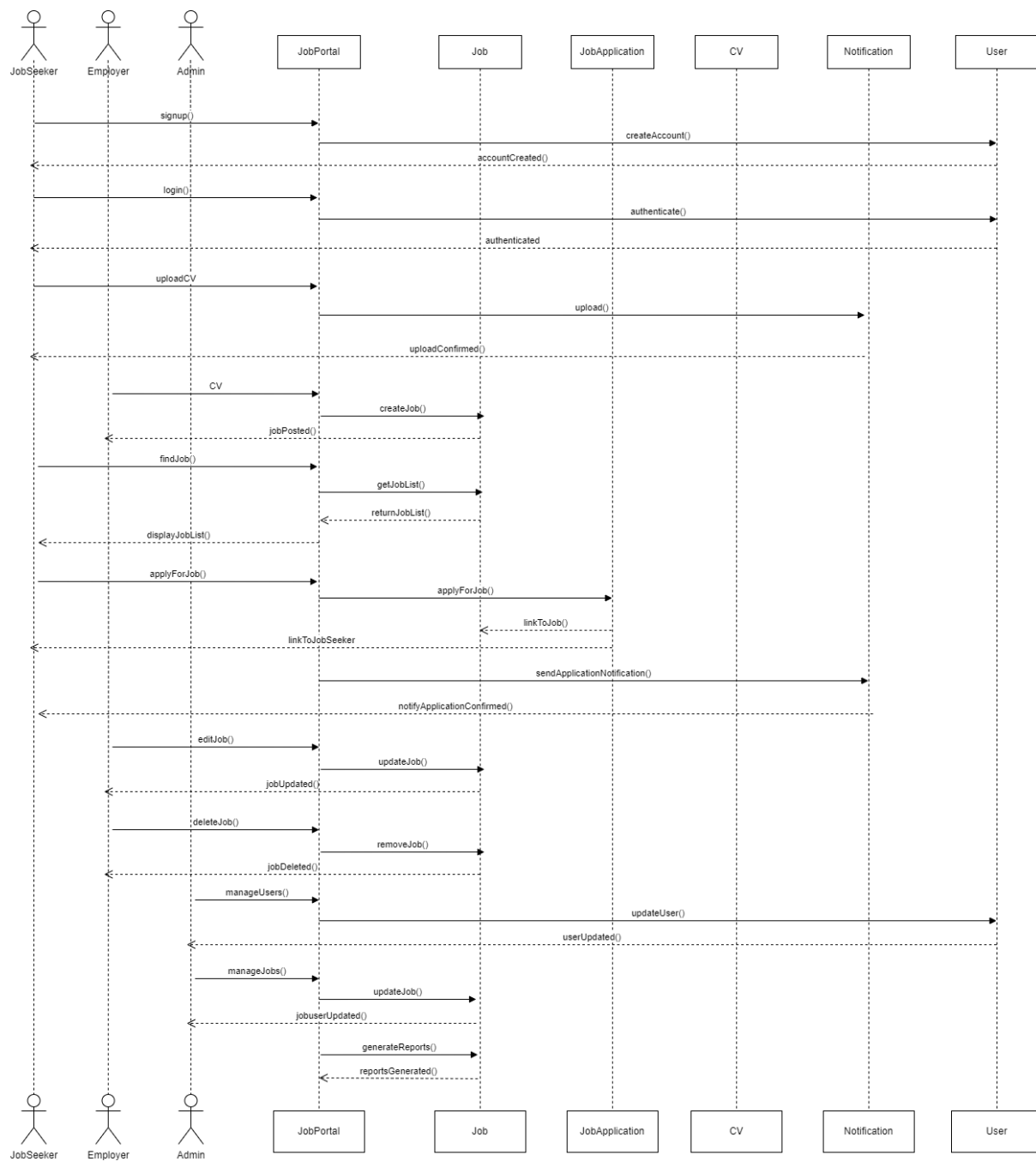
Functional Req. ID #	Function Name	Function Requirement Description
NFR1	Performance	Fast response times and ability to handle high concurrency.
NFR2	Scalability	Seamless accommodation of increasing user and job posting volumes.
NFR3	Security	Ensuring secure storage and transmission of sensitive data.
NFR4	Reliability	High availability and minimal downtime for uninterrupted service.
NFR5	Usability	Intuitive and user-friendly interface for diverse users.
NFR6	Accessibility	Compliance with accessibility standards for users with disabilities.
NFR7	Compatibility	Consistent experience across various devices and browsers.
NFR8	Regulatory Compliance	Adherence to local labor laws and regulations in job postings and hiring processes.
NFR9	Maintainability	Clear and modular code for ease of maintenance and updates.
NFR10	Robustness	Robust backup and recovery procedures for business continuity.

Diagrams:

UseCase Diagram:



Sequence Diagram:



Class Diagram:

