

Job Management System Documentation

1. System Overview

The Job Management System is designed to connect job seekers and recruiters. It allows job seekers to search and apply for jobs, while recruiters can post job openings, manage applications, and communicate with candidates. The system incorporates both functional and non-functional requirements to ensure usability, security, and scalability.

2. Functional Requirements

The functional requirements define the essential features and capabilities of the Job Management System:

- User Management: Registration, login, profile updates, and role assignment (job seeker/recruiter).
- Job Posting and Management: Recruiters can post, edit, and manage job listings.
- Application Management: Allows candidates to apply, track application statuses.
- Admin Management: Provides admins with control over user and content management.
- Notifications: System alerts for new job posts, application updates.
- Resume and Document Management: Manages resumes and related documents for job applications.

3. Non-Functional Requirements

Non-functional requirements ensure system reliability and user experience:

- Usability: User-friendly interface with intuitive navigation.
- Scalability: Handles an increasing number of users and job listings.
- Security: Protects user data, secure authentication, and role-based access.
- Reliability: Ensures high availability and responsiveness.
- Compliance: Adheres to data privacy regulations.
- Responsive Design: Optimized for various devices (desktop, mobile).

4. Database Structure

The system includes essential tables to store user data, job information, and applications:

- Users Table: Stores user credentials and roles.
- Recruiter_Profile Table: Stores recruiter details (e.g., company info).
- Job_Postings Table: Job details, including title, description, and requirements.

- Applicant_Profile Table: Stores job seeker profiles, resumes.
- Applications Table: Tracks job applications and status.
- Admin Table: Manages admin accounts and permissions.
- Notifications Table: Stores user notifications and alerts.
- Document Management Table: Manages uploaded resumes and documents.

5. Forms and Interfaces

- User Forms: Registration, Login, Profile Update
- Job Management Forms: Job Posting, Editing, Deletion
- Application Forms: Application Submission, Status Update
- Admin Forms: User Management, Content Monitoring
- Notification Forms: Settings, Notification Display
- Document Management Forms: Resume Upload, Document Management

6. Additional Information from Provided Document

The provided document specifies detailed functional and non-functional requirements for a Job Management System. It includes specific requirements for user and job management, application handling, notifications, and document management, as well as usability, scalability, and security as non-functional requirements. Additionally, it lists core tables essential to the database structure for managing users, profiles, job postings, applications, and notifications.

Database Tables:

- Users Table
- Applicant_Profile or Candidate Table
- Recruiter_Profile or Employer Table
- Job_Postings Table
- Applications Table
- Notifications Table

Forms are designed to capture input for user registration, job applications, and admin management, aligning with the system's requirements and functionality.