Software Requirements Specification

For

Online job portal

Jobify

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1 Introduction

1.1 Document Purpose

The purpose of this document is to clearly define the requirements of the Online Job Portal System. This SRS serves as a reference for developers, testers, instructors, and stakeholders to understand system functionality and constraints.

1.2 Product Scope

The Online Job Portal System aims to simplify the job search and recruitment process. It allows job seekers to upload resumes, apply for jobs, and track application status. Recruiters can post jobs, shortlist candidates, and send offer letters. Administrators manage users, job categories, and system activities.

1.3 Intended Audience and Document Overview

This document is intended for:

- Students and developers
- Company workers

1.4 Document Conventions

This Document was created based on the IEEE template for System Requirement Specification Documents.

1.5 References and Acknowledgments

- Website link
- IEEE Template for System Requirement Specification Documents: https://goo.gl/nsUFwy
- Course Lecture Notes
- AI tools

2 Overall Description

2.1 Product Overview

- The Online Job Portal System is a web-based application.
- It connects job seekers, recruiters, and administrators on a single platform.
- The system replaces manual job application and recruitment processes.
- It provides role-based access for Admin, Recruiter, and Job Seeker.
- The system stores and manages data using a centralized database.

2.2 Product Functionality

- User registration with role selection.
- User login with authentication.
- Admin management of users and recruiters.
- Admin management of job categories.
- Recruiter job posting and candidate management.
- Recruiter interview scheduling and offer letter sending.
- Job seeker resume upload.
- Job seeker job search and job application.
- Job seeker application status tracking.
- Job offers acceptance or rejection by job seekers.

2.3 Design and Implementation Constraints

- The system shall be web-based.
- The system shall use a relational database.
- Role-based access control must be implemented.
- Secure authentication is mandatory.
- The system must follow IEEE SRS standards.
- UML diagrams shall be used for system design.

2.4 Assumptions and Dependencies

- Users have access to the internet.
- Users have basic knowledge of web applications.
- Email or notification services are available.
- The database server is continuously available.
- System performance depends on network connectivity.

3 Specific Requirements

3.1   External Interface Requirements

3.1.1   User Interfaces

- Registration interface for Admin, Recruiter, and Job Seeker.
- Login interface with role selection.
- Admin dashboard for user and system management.
- Recruiter dashboard for job posting and candidate management.
- Job Seeker dashboard for job search and application tracking.
- Resume upload interface supporting PDF format.

3.1.2   Hardware Interfaces

- Server to host the application and database.
- Client devices such as desktop, laptop, or mobile.

3.1.3 Software Interfaces

- Database Management System for storing user and job data.
- Email or notification service for interviews and offer notifications.

3.2   Functional Requirements

R.1   User registration

R.1.1 Select role

   Input: Choose your role

   Output: Select user type (Recruiter / job seeker / admin)

R.1.2 Enter registration details

   Input: name, email, password, contact

   Output: successful or error

R.2 User login

R.2.1 Enter login details

   Input: username, password

   Output: Authentication request

R.2.2 Select role

   Input: choose your role (Recruiter / job seeker / admin)

   Output: redirect to home page according to role

R.2.3 Validation

   Input: match details with database

   Output: successful then go on home page or error message

R.3 Monitor System activity / manage user

R.3.1 Add user

   Input: enter new user details in database

   Output: successful or error message

R.3.2 Update user

   Input: match user according given detail and update in database

   Output: update successfully or not

R.3.3 Delete user

   Input: enter delete user data from database

   Output: delete successfully or not

R.4 view all job applications
Input: click on view applications
Output: give all the applications of job seekers and companies

R.5 Approve or block recruiters
Input: view company request

Output: approve or block

R.6 Manage job categories

R.6.1 Add categories
Input: category name
Output: add successful or not in database
R.6.2 Delete categories
Input: category name
Output: delete successful or not in database

R.7 post Job

R.7.1 Enter and publish
Input : enter Job title, job description, locality and salary then click to
post job
Output : published successfully and added into database

R.8 view Job applications

R.8.1 view candidate list
Input: Job selection
Output: list of applied candidates.
R.8.2 download Resume
Input : click on view Resume
Output: downloaded successfully
R.8.3 Action
Input: interest according accept /Rejecte
Output: give notification to the candidate

R.9 shortlist candidates

Input : click on list of candidates.

Output : gives list of candidates.

R.9.1 schedule interviews

Input : schedule interviews for interested candidates .
Output: give messages to candidates with date time and mode.

R.9.2 Send offer letter

Input: Salary & joining details.

Output: offer letter send to candidate

R.10 Upload Resume on profile

Input: upload file to pdf.
Output: upload successfully.

R.11: Search & apply jobs.

R.11.1 Search job

Input: search your appropriate job city
Output : give available jobs of city

R.11.2 Appy job

Input: send request in interested job.
Output: applied successfully.

R.12 Track Application status

R.12.1 Applied job

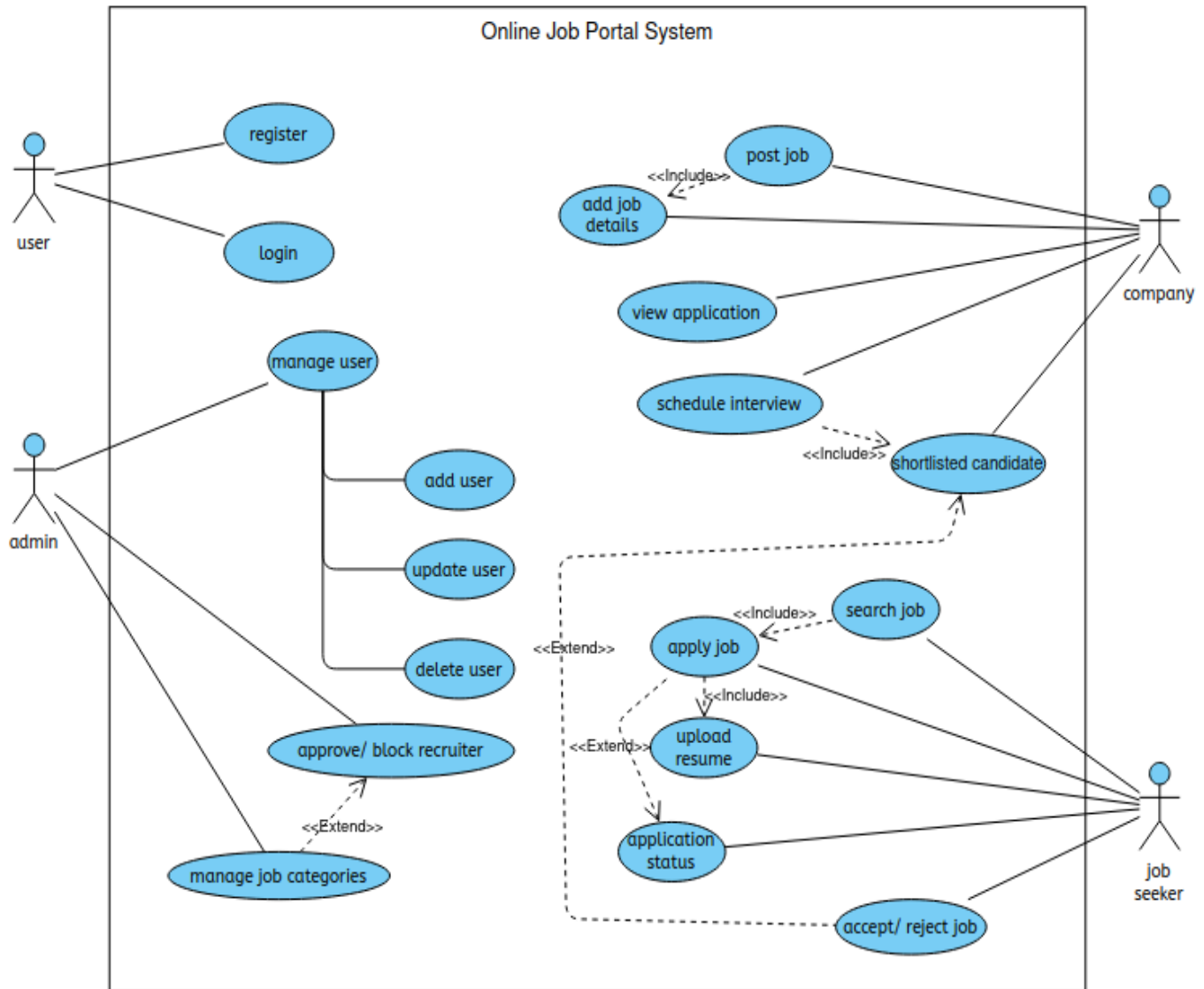Output: list of all applied fobs with their status.

R.13 Accept or Reject offer

R.13.1 Receive Notifications

Output: Receive Accept or Reject Notification

R.13.1.1 Accept or Reject job

Output : give response to the company.

3.3 Use Case Model

4 Other Non-functional Requirements

4.1   Performance Requirements

- System response time shall be within 3 seconds.
- The system shall support multiple users simultaneously.
- Job search results shall load efficiently.

4.2   Safety and Security Requirements

- User authentication shall be mandatory.
- Role-based access control shall be implemented.
- User data shall be stored securely.
- Unauthorized access shall be restricted.

4.3   Software Quality Attributes

4.3.1   Reliability

- The system shall be available 24×7.
- The system shall recover from minor failures.

4.3.2   Usability

- The user interface shall be simple and user-friendly.
- The system shall be easy to learn and operate.