

REQUIREMENT ANALYSIS

Project Overview

The primary objective of the **Ability Assessment system and Job Portal** suggests to revolutionize the job market by creating a comprehensive platform that addresses the challenge faced by job seekers and employers. This platform aims to facilitate efficient job matching, skills assessment, and job application processes. It is designed to serve various user roles, including administrators, recruiters, employees, and job seekers.

The project leverages **Angular** for the frontend and **Python Django** for the backend, which are chosen for their robustness, scalability, and widespread developer support. These technologies provide a solid foundation for building a complex web application.

The project differs in scope and functionality between the mini-project and main-project implementation with main project implementation involving advanced job postings, multimedia rich content etc.

1. To what extent the system is proposed for?

The system is limited to technical assessment and industry. It is built with scalability in mind capable of accommodating growing number of users, job listing and assessments. The primary focus is on web-based application although it has a potential to extended to mobile application. Additionally, the project can be integrated with APIs to enhance functionality.

2. Specify the viewers/public which is to be involved in the system.

1. **Job Seekers:** This includes individuals actively seeking job opportunities, who will use the portal to search for and apply to relevant job postings. They can also participate in skill assessments for personal growth.
2. **Recruiters and Companies:** Recruiters and hiring companies form a significant part of the user base. They post job openings, view, and evaluate job applicants and interact with potential candidates.
3. **Administrators:** System administrators play a critical role in managing user accounts, ensuring platform integrity, and overseeing system activities including user verifications and basic monitoring.
4. **Employers:** Employers or assessors may use the system to add assessment details, view job openings and assess job seeker performance.
5. **General Public:** Some areas might be accessible to the general public like publicly available job listings or informational content.

3. List the modules included in your system.

- User Authentication and Management Module.
- Job Posting and Management Module.
- Job Search and Application Module.
- Skills Assessment and Testing Module.
- Real-Time Monitoring and Reporting Module.

4. Identify the users in your project.

- Job Seekers.
- Recruiters / Recruiting Companies.
- Employees.
- Administrators / Admin Organization.

5. Who owns the system?

Since this is an academic project, the sole ownership of the project goes to the individual who develops it. The student is responsible for managing, developing, and designing the project.

6. System is related to which firm / industry / organization.

The project is not explicitly tied to a specific firm, industry, or organization. These systems are typically designed to be versatile and adaptable, serving a wide range of industries, companies, and job seekers.