

REQUIREMENT ANALYSIS

Project Overview

The primary objective of the Ability Assessment System and Job Portal is to revolutionize the job market by providing a comprehensive platform that addresses the challenges faced by both job seekers and employers. This platform aims to streamline job matching, skills assessment, and application processes, catering to various user roles including administrators, recruiters, employees, and job seekers. Leveraging Angular for the frontend and Python Django for the backend, chosen for their robustness, scalability, and extensive developer support, the project lays a solid foundation for building a complex web application. While the project's scope and functionality differ between the mini-project and main-project implementations, the main project includes advanced features such as multimedia-rich content and enhanced job postings, further enhancing user engagement and effectiveness.

1. To what extend the system is proposed for?

The system emphasizes scalability to handle a rising user base, job advertisements, and assessments. It is specialized in technical evaluations within particular industries. Although it is mostly web-based, mobile applications could be added in the future. It is also feasible to enhance functionality and enhance user experience by interaction with APIs.

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

1. **Job Seekers:** Through the site, people who are actively looking for work can peruse and apply to suitable job posts. In order to further advance their professional and personal development, people can also choose to participate in skill evaluations.
2. **Companies and Recruiters:** A sizeable fraction of the user base is made up of hiring companies and recruiters. Posting job vacancies, screening and grading resumes, and interacting with possible candidates via the platform's communication tools are some of their primary operations.
3. **Administrators:** In the midst of supervising the platform's management, system administrators are essential. They are in charge of managing user accounts, guaranteeing the platform's integrity, and keeping an eye on system operations including user verifications and routine monitoring to preserve the platform's functioning and security.
4. **Employers:** To manage assessment details, examine job vacancies, and evaluate job seeker performance, employers, also known as assessors, use the system. This entails reviewing candidate applications, adding evaluation criteria, and determining which applicants are qualified for what positions.

5. **Public:** A portion of the platform, such as job advertisements that are posted publicly or educational materials, may be available to the broader public.

3. List the modules included in your system.

- License Verification Module
- Real-Time Monitoring and Reporting Module
- Skill Enhancement Recommendations Module
- AI Integration Module
- Notification Management 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.