

1.INTRODUCTION

1.1 Purpose

This document serves as a guideline for the Career Planning System and the project development process. Online defines functional and non-functional requirements.

1.2 Scope

The system will be able to make it easier for job seekers to find jobs between employers and job seekers and for employers to find employees, job seekers will be able to see the requirements of companies that can apply to all job posting companies and analyse whether they are suitable for themselves according to these requirements, employers will be able to see the CVs and the information they have obtained in the application of job seekers in the companies, they will be able to easily analyse whether they are suitable for the job.

1.3 Case(Scenario)

We are planning to develop a career job advertisement platform to make it easier for people who want to make a career. This system aims to be a platform that will help university students, job seekers and companies to find internships, jobs, part-time and full-time jobs, and companies to gain new talents. All career planning people and companies that will provide job opportunities can use this platform efficiently.

Users will be able to easily access the job advertisement or internship advertisement they want by logging into the system with secure login information. Users will first prepare their CVs, experiences and information on the system. According to this information, the system will present job or internship adverts suitable for young talents in real time.

Employing companies will be able to log in to the system with their secure login information and share the job advertisement they want on the page. Under each job advertisement, the skills required by the company can be specified, making it easier for users to find the right job for them.

The system will include a message forwarding section for communication between the company and the job seeker, and when there is a conversation about the job, it will take place through this platform, and communication between the company and the user can be established without the need for a separate platform.

To ensure accessibility, the platform will be optimised for desktop and mobile browsers and will be compatible with different devices. A MySQL relational database will be used to store the data.

The development team plans to create the database and documentation for the system within 2 weeks. This process will include requirements analysis, UI/UX design, database design, back-end development, testing and deployment phases. Load balancing mechanism will be used and the platform will be prevented from crashing in case of traffic such as excessive applications to a job

advertisement or too many users accessing the platform at the same time. Data security will be ensured by making regular backups of the system and secure session management will be applied for secure login. Those who are not authorised will definitely not be able to access.

This system aims to make it easier for users to take steps for their careers. While taking these steps, it also aims to take these steps safely.

1.4 Target Audience

- Software development team
- Test engineers
- Product Manager
- Stakeholders (job seekers, companies)

2. General Overview

The system will be available both as a web application and as a mobile application. It will offer a user-friendly interface that facilitates interaction between employers and job seekers. Job seekers will be able to log in to the system and filter job adverts according to the cities they want, the sectors they want to work in and apply to these job adverts. Employers will be able to create a job advertisement by specifying the requirements for the job to be entered into the system and will be able to access and evaluate the applications to this advertisement.

3. User Roles and Permissions

User Type	PERMISSION
Job Seeker	Search for job adverts, filter job adverts, create a CV, apply.
Company	Create a job advertisement, review applicants' CVs, evaluate applicants.

4. Functional Requirements

No	FUNCTIONAL REQUIREMENTS
FR-01	Users must be able to log in with their email and password.
FR-02	Users must be able to a new account.
FR-03	Users should be able to easily upload their CV and acquired skills on the system.
FR-04	Employer users should be able to easily see the applications of the applicants.
FR-05	Employers should be able to see the CVs and information uploaded by the applicants.
FR-06	Employer and job seeker users should be able to communicate through the system as a message.
FR-07	Job seekers should be able to filter companies according to themselves.
FR-08	Job seekers should be able to filter companies according to themselves.
FR-09	Job seekers should have access to the company's address information.

5.Non-Functional Requirements

NO	NON-FUNCTIONAL REQUIREMENTS
NFR-01	The system must support at least 20,000 active users per day.
NFR-02	The application should be sent within maximum 5 seconds after clicking the application button.
NFR-03	The platform should be compatible with both mobile and desktop browsers.
NFR-04	The system should have regular backup and data security checks.
NFR-05	The user interface must comply with WCAG 2.1 accessibility standards.
NFR-06	Users should be able to contact system administrators via e-mail in case of errors or malfunctions on the system.

6.Constraints

No	CONSTRAINTS
C-01	Applications must be submitted between the dates specified by the employers.
C-02	Each job seeker must add a CV before applying.
C-03	Each employer can create a maximum of 10 adverts.
C-04	An advert must be removed or updated after 30 days.

7.Data management

Veritabanı:

- MySQL

Anahtar Tablolar:

- **COMPANY**(company_id,user_name,password,company_name,industry,tax_number,address,email,phone)
- **JOB_SEEKER**(job_seeker_id,user_name,password,first_name,last_name,gender,address,email,phone,cv)
- **JOB_POSTING**(job_posting_id,title,description,country,city)
- **POST**(post_id,company_id,job_posting_id,date,is_active)
- **APPLIES**(applies_id,job_seeker_id,job_posting_id,application_Date,status,motivation_letter)
- **MESSAGE**(message_id,sender_id,receiver_id,content,datetime)

8.Risks

- **Security of user data:** Each user will have their own account and encryption and secure session management will be implemented for each session.
- **Risk of data loss:** Continuous backup mechanisms will be implemented.
- **System failure due to high user traffic:** Load balancing will be used to prevent user traffic as a result of a high number of user logins at the same time.
- **Fake adverts and fraud:** Employers must verify identity (e-mail, telephone, company registration).
- **Low quality adverts:** Providing users with a 'report advert' button so that they can respond quickly.

9.Deliverables and Timeline

Deliverables	Timeline
Requirements Analysis	2 Weeks
UI/UX Design	2 Weeks
Database Design	2 Weeks
Testing Process	2 Weeks
Deployment & Maintanance	Ongoing