Software Requirements Specification (SRS) Document

Team Id(4) – Project Name: Wuzzuf

TA: Walaa Alkady

* Bahaa El-Din Mohamed SWE section 1
* Mahmoud Sayed AI section 2
* Youssif Emad Wahdan AI section 1
* Mohamed Elfatih Osman SWE section 2
* Youssef Faisal Nassef AI section 2
* Youssif Amr AI section 2
* Ahmed Mostafa Aboalesaad AI section 1

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**Introduction**

The purpose of this document is to outline the software requirements for a professional networking website similar to LinkedIn. This document will provide an overview of the functionalities and features of the website, as well as the technical requirements necessary for its development.

**Context Diagram**

**User Requirements**

**User Registration and Profile Creation**

The website should allow users to create an account and complete their profile, including information such as their work history, education, skills, and preferred job categories. Users should also have the option to upload their resume.

**Job Search and Filtering**

The website should provide users with an easy-to-use search functionality that allows them to search for jobs by keyword, location, and job category. Users should also be able to apply various filters, such as salary range, job type (full-time, part-time, remote), and experience level.

**Job Alerts and Notifications**

The website should provide users with the option to set up job alerts based on their preferred job categories and location. Users should also receive notifications when a new job is posted that matches their job preferences.

**Job Application and Tracking**

Users should be able to easily apply for jobs directly through the website, and the website should provide a tracking system that allows users to track the status of their job applications.

**Company Research and Insights**

The website should provide users with information about companies that are hiring, such as company descriptions, reviews, and ratings. Users should also be able to view insights about the job market, such as trending job categories and industries.

**User Feedback and Ratings**

The website should allow users to provide feedback and ratings on job postings and companies. This feedback can be used to improve the job search experience for all users.

**Functional Requirements**

**User Registration**:

* **Description**: Users shall be able to create an account on the job searching website, which includes their personal information, such as name, email, and resume.
* **Input**: Username, password, email, birth date and gender.
* **Source**: User
* **Pre-Condition:** Valid credentials
* **Post-Condition:** Account created
* **Output:** Accessibility to main page

**Job Posting**:

* **Description**: Employer shall be able to post job openings with job descriptions, qualifications, and application requirements.
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
* **Output:**.

**Job Search**:

* **Description**: Job seekers shall be able to search for job postings based on job titles, keywords, location, and other criteria.
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
* **Output:**.

**Resume Search**:

* **Description**: Employers shall be able to search for resumes of job seekers based on job titles, keywords, location, and other criteria.
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
* **Output:**.

**Application Submission**:.

* **Description**: Job seekers shall be able to apply for jobs by submitting their resumes and other required documents through the website.
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
* **Output:**.

**Communication**:

* **Description**: Employers and job seekers shall be able to communicate with each other through the website's messaging system.
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
* **Output:**.

**Job Alerts**:

* **Description**: Job seekers shall be able to receive email alerts when new job postings that match their search criteria become available.
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
* **Output:**.

**Requirements:**

* **Description**:
* **Input**:
* **Source**:
* **Pre-Condition:**
* **Post-Condition:**
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**Nonfunctional Requirements**

**Security**: The website should ensure the security of user data and prevent unauthorized access to sensitive information.

**Performance**: The website should be fast and responsive to user actions, even during high traffic periods.

**Usability**: The website should be easy to use and navigate, with clear instructions and intuitive design.

**Compatibility**: The website should be compatible with various browsers and devices, including mobile phones and tablets.

**Reliability**: The website should be available and functional at all times, with minimal downtime for maintenance or updates.

**Scalability**: The website should be able to handle increasing amounts of traffic and user data as the user base grows.

**Accessibility**: The website should be accessible to users with disabilities, including those who use screen readers or other assistive technologies.