

Software Engineering Project

Project Name: WUZZUF

Team ID: 4

Assigned TA Name: Dr-Walaa Alkady

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Software Requirements Specification (SRS) Document

Team Id(4) – Project Name: Wuzzuf

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Introduction

Wuzzuf is a job seeking application that helps job seekers find their dream job and employers find the right candidates. With a user-friendly interface, Wuzzuf makes it easy for users to create a profile, search for job opportunities, and apply to their desired jobs. The platform also provides job seekers with access to industry insights and salary data. Employers can use Wuzzuf to post job listings, search for qualified candidates, and manage the hiring process. Wuzzuf's mission is to connect job seekers with the right opportunities and help employers find the best talent for their organizations.

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

1- 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, resume and major.
- **Input:** Username, password, email, birth date and gender.
- **Source:** User.
- **Pre-Condition:** Valid credentials .
- **Post-Condition:** Account created and added to the database.
- **Output:** Accessibility to the main page.

2- Job Posting:

- **Description:** Employer shall be able to post job openings with job descriptions, qualifications, and application requirements..
- **Input:** Job description, Job Requirements , Salary.
- **Source:** Employer.
- **Pre-Condition:** Employer must have an account.
- **Post-Condition:** post is added to the database.
- **Output:.** The post is published to the seekers.

3- Job Search:

- **Description:** Job seekers shall be able to search for job postings based on job titles, keywords, location, and other criteria.
- **Input:** (Job, intern) title, Category - optional -.
- **Source:** Seeker.
- **Pre-Condition:** Seeker must have an account.
- **Post-Condition:** Corresponding jobs/interns will be retrieved from the database.
- **Output:** A list of (jobs, interns) that meet the seeker's input.

4- Resume Search:

- **Description:** Employers shall be able to search for resumes of job seekers based on job titles, location, and years of experience.
- **Input:** title, location, years of experience.
- **Source:** Employer.
- **Pre-Condition:** Must have an account, valid input.
- **Post-Condition:** Corresponding resumes will be retrieved from the database.
- **Output:** Resumes after filtering/searching .

5- Application Submission:.

- **Description:** Job seekers shall be able to apply for jobs by submitting their resumes and other required documents through the website.
- **Input:** Name, Email, Years Of Experience, Skills, University/Collage/Major.
- **Source:** Seeker.
- **Pre-Condition:** Must have an account, valid input.
- **Post-Condition:** Application will be sent to the database.
- **Output:** Employer is able to see the resumes.

6- Job Alerts:

- **Description:** Job seekers shall be able to receive email alerts when new job postings that match their search criteria become available.
- **Input:** No input.
- **Source:** WUZZUF.
- **Pre-Condition:** User must have an account.
- **Post-Condition:** searching within the database for recently added jobs.
- **Output:** A notification will be sent to the user

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.

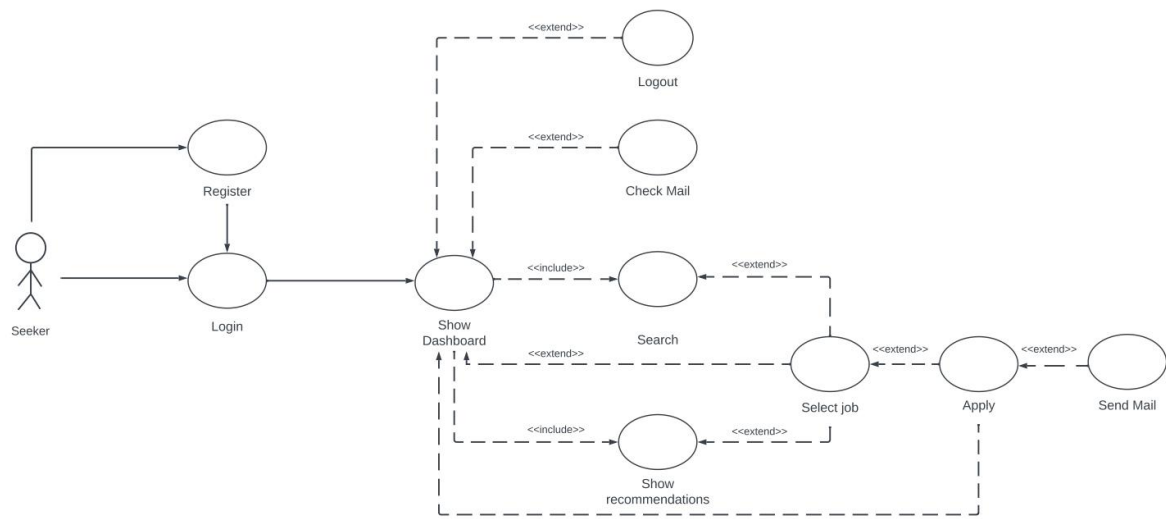
Usability: The website should be easy to use and navigate, with clear instructions and intuitive design.

Compatibility: The Application should be compatible with various Operating Systems.

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

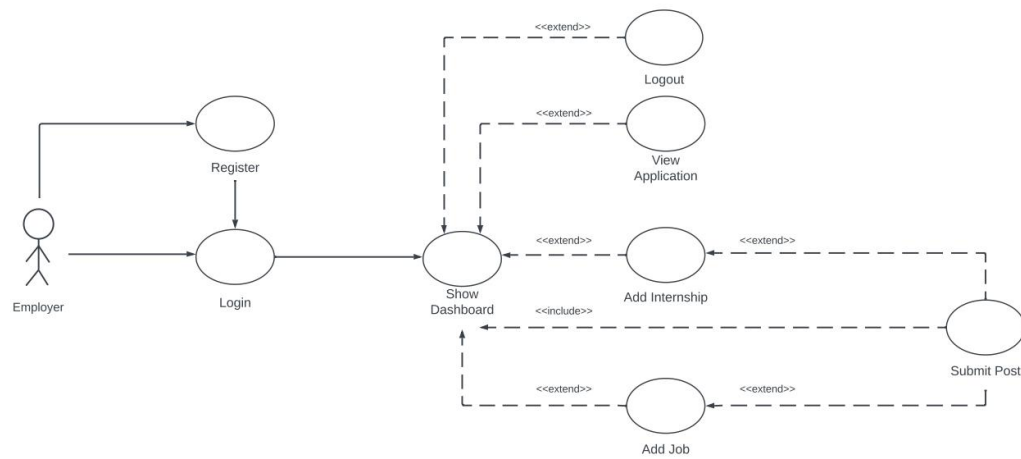
Interface: the website interface will consist of menus and forms which makes the application more efficient.

Use Case Diagram for the job seeker



<<include>>

Use Case Diagram for Employer



Sequence Diagram for the Log-in Process

