

Software Requirements Specifications.

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Prepared especially for:

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Changelog:

Date	Author	Changes
15.11.2025	Yousef Adel	<ul style="list-style-type: none">• Made the SRS
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1. Introduction

1.1 Purpose

The purpose of this Software Requirements Specification document is to define and outline the full details for this Freelance Web application project.

The document ensures clear communication among stakeholders, developers, testers and end users.

1.2 Target Audience

This document is intended for:

- Testers
- Stakeholders
- Software Developers

And anyone with connection/relation to this project.

1.3 Scope

This project is a freelance platform that aims to connect clients and freelancers without any hassle. It provides:

- Job posting and proposal submission
- User management by Admins
- "The Wall", A page for browsing approved posts

The system is a web-based application, accessible through modern browsers.

2. General Description

2.1 User needs

Admin needs:

- Control over registered users in the system
- Ability to approve or reject posts
- Maintaining a clean "Wall" page by rejecting and removing inappropriate posts

User needs:

- Ability to create job posts
- Managing proposals for their listed job posts
- Ability to view and update personal information and settings

Freelancer needs:

- Ability to browse available job posts
- Ability to apply to job posts by sending proposals
- Ability to search and filter posts
- Ability to save posts for later viewing

2.2 Dependencies

- Users must have access to modern browsers with JavaScript enabled
- Users must have a stable internet connection

3. Requirements and Features

3.1 Functional Requirements

3.1.1 User Requirements

Admin-specific requirements:

- Shall be able to login
- Shall be able to update any user's information
- Shall be able to add or remove users
- Shall be able to accept, reject and update posts created by clients

Client-specific requirements:

- Shall be able to login
- Shall be able to view their profile information including:
 - First and Last name
 - Email
 - Username
 - Profile Image
 - Title
 - Bio
 - Interests
 - Account Creation Date
- Shall be able to change their own password from the settings menu
- Shall be able to create job posts and specify:
 - Job type (fixed or hourly)
 - Budget / hourly rate
 - Thumbnail (*optional*)
 - Description
- Shall be able to view all their posts and their respected statuses (accepted, rejected, pending)

- Shall be able to view all proposals for each job post created by them
- Shall be able to accept or reject freelancers' proposals
- Upon acceptance of a proposal, the job post shall be automatically removed from "The Wall"

Freelancer-specific requirements:

- Shall be able to view "The Wall" without logging in
- Shall be able to search for jobs using filters such as:
 - Title
 - Date
 - Tags
 - Client name
- Shall be able to save posts for later viewing
- Shall be able to apply to a job by sending a proposal to the client
- Shall be able to view job posts through client profiles

3.1.2 System Requirements

"The Wall":

- The system shall have a page for job posts similar to social media feed
- Only approved job posts shall appear on "The Wall"

Job posting management:

- Upon creating a job posting it shall be added to the list to be reviewed by an Admin.
- Approved posts shall appear on "The Wall"
- The system shall notify the client when their post is approved

Proposal management:

- The system shall notify the client when a new proposal is submitted
- The system shall notify the freelancer if their proposal is accepted

Messaging system:

- The system shall have a chat system to allow freelancers and clients to discuss their projects and requirements

3.2 Non-Functional Requirements

3.2.1 Security

- Passwords shall be hashed before being stored in the database
- Role based access control system shall be implemented
- Only authorized users shall be able to access protected pages

3.2.2 Usability

- The interface shall be simple, consistent, and easy to navigate for all roles.
- All profile and form pages shall provide clear labels, input validation and clear feedback
- The system shall prevent invalid inputs and show meaningful error messages

3.2.3 Maintainability

- The system shall follow a modular architecture to allow easy updates
- Code should be documented for future development

3.2.4 Compatibility

- The system shall work on all modern browsers (Chrome, Firefox, Edge)
- The interface shall be responsive for desktops, tablets and mobile devices