

Section	Details
<b>1. Introduction</b>	<p><b>Purpose:</b> This document specifies the software requirements for <b>Sho8la</b>, a hyper-local freelance marketplace. It defines the functionalities, constraints, and interactions required to connect Egyptian student developers with local business clients.</p> <p><b>Scope:</b> The software covers the complete workflow of a freelance project: user registration, identity verification, job posting, proposal submission, real-time communication, and secure payment processing via a local escrow system.</p> <p><b>Overview:</b> The system acts as a trusted intermediary platform. It provides a web interface for Clients to find affordable talent and for Freelancers (Students) to find work and receive payments safely.</p>
<b>2. General Description</b>	<p><b>Functions:</b></p> <ul style="list-style-type: none"> <li>• <b>Account Management:</b> User registration, login, and role selection (Client vs. Freelancer).</li> <li>• <b>Verification System:</b> Manual review of University IDs to verify student status.</li> <li>• <b>Job Marketplace:</b> Facilities for posting jobs, browsing listings, and filtering by category/budget.</li> <li>• <b>Bidding System:</b> Submission and review of project proposals.</li> <li>• <b>Escrow Payments:</b> Secure deposit collection and fund release upon work approval.</li> <li>• <b>Communication:</b> Integrated real-time chat for project collaboration.</li> </ul> <p><b>User Community:</b></p>

	<ul style="list-style-type: none"> <li>• <b>Clients:</b> Local SME owners or individuals requiring technical services.</li> <li>• <b>Freelancers:</b> Computer Science students seeking practical work experience.</li> <li>• <b>Administrators:</b> Platform moderators managing verifications and payouts.</li> </ul>
<b>3. Functional Requirements</b>	<p><b>FR1 (Authentication):</b> The system shall allow users to create accounts and log in securely. It must distinguish between Client, Freelancer, and Admin roles.</p> <p><b>FR2 (Identity Verification):</b> The system shall allow Freelancers to upload ID documents. Admins must be able to view these documents and approve/reject the verification status.</p> <p><b>FR3 (Job Management):</b> The system shall allow Clients to post detailed job descriptions with budgets. Freelancers must be able to browse these jobs and filter them by criteria.</p> <p><b>FR4 (Proposals):</b> The system shall allow Freelancers to submit bids (price/timeline) for specific jobs. Clients must be able to review these bids and "Accept" a candidate.</p> <p><b>FR5 (Financial Transactions):</b> The system shall interface with an external payment gateway to process deposits. Funds must be held in an internal "Escrow" state until the Client approves the work.</p> <p><b>FR6 (Messaging):</b> The system shall provide a text-based chat interface between the Client and Freelancer once a proposal is active. It must filter prohibited contact information.</p>

	<b>FR7 (Withdrawals):</b> The system shall allow Freelancers to request payout of their earnings to local wallets. Admins must be able to approve these requests.
<b>4. User Interface Requirements</b>	<p><b>Software Interfaces:</b></p> <ul style="list-style-type: none"> <li>The system must interface with an external <b>Payment Gateway Service</b> (e.g., Paymob) for processing transactions.</li> <li>The system must interface with a <b>File Storage Service</b> for saving user-uploaded images/IDs.</li> </ul> <p><b>Examples:</b></p> <ul style="list-style-type: none"> <li><b>Dashboard:</b> A central hub showing active jobs, wallet balance, and notifications.</li> <li><b>Job Board:</b> A searchable list view of available projects.</li> <li><b>Chat Window:</b> A messaging interface for real-time conversation.</li> </ul>
<b>5. Performance Requirements</b>	<p><b>Response Time:</b></p> <ul style="list-style-type: none"> <li>General page loads and interactions should complete within acceptable web standards (e.g., &lt; 2 seconds).</li> <li>Real-time chat messages should be delivered with minimal latency.</li> </ul> <p><b>Throughput:</b> The system shall support multiple concurrent users (Clients posting jobs and Freelancers bidding) simultaneously without service interruption.</p> <p><b>Scalability:</b> The system architecture must be designed to handle a growing database of users and job history over time.</p>
<b>6. Non-Functional Attributes</b>	<b>Usability:</b> The interface must be intuitive for non-technical Clients to post jobs easily. It should support local language/cultural context (e.g., Arabic/Franco text).

	<p><b>Reliability:</b> The system must ensure data consistency, particularly for financial records (Escrow states) and user reputation.</p> <p><b>Security:</b></p> <ul style="list-style-type: none"> <li>• All sensitive user data (passwords, IDs) must be stored securely.</li> <li>• Payment processing must adhere to security standards, ensuring no sensitive financial data is stored directly on the platform servers.</li> </ul>
<b>7. Schedule and Budget</b>	<p><b>Timeline:</b> The project development is divided into phases: Frontend Design, Backend Implementation, Database Integration, and Final Testing.</p> <p><b>Deployment:</b> The application will be deployed and hosted on <b>Render</b>.</p> <p><b>Cost Estimate:</b> The total monetary cost for the project development and initial deployment is <b>0 (Zero Cost)</b>, utilizing free tiers of hosting and development tools.</p>
<b>8. Appendices</b>	<p><b>Glossary:</b></p> <ul style="list-style-type: none"> <li>• <b>Escrow:</b> A financial arrangement where the system holds funds on behalf of two parties until a transaction is completed.</li> <li>• <b>Client:</b> The party posting the job and paying for the service.</li> <li>• <b>Freelancer:</b> The student party performing the work.</li> <li>• <b>SME:</b> Small and Medium-sized Enterprises.</li> </ul>