# Solution Requirements (Functional & Non-functional)

| Date: | 27-06-2025 |
| --- | --- |
| Team ID: | LTVIP2025TMID58018 |
| Project Name: | Freelance Finder |
| Maximum Marks: | 4 Marks |

# Solution Requirements (Functional & Non-functional)

## Functional Requirements

The following are the functional requirements of the Freelance Finder platform.

### Functional Requirements – Freelance Finder

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
| --- | --- | --- |
| FR-1 | User Authentication | Sign up, Login, Password Reset OAuth login via Google / GitHub / LinkedIn |
| FR-2 | Job Posting & Browsing | Clients post jobs with skill, budget, and timeline Freelancers browse and filter jobs |
| FR-3 | Proposal Management | Freelancers submit proposals Clients view and shortlist proposals |
| FR-4 | Contract & Workflow | Clients hire freelancers and initiate contracts Freelancers deliver work through milestone submissions |
| FR-5 | Messaging System | Real-time chat between freelancers and clients |
| FR-6 | Review & Rating | Clients rate freelancers after job completion Reviews are shown on freelancer profiles |
| FR-7 | Payment System | Clients make secure payments via integrated gateway Freelancers can view and withdraw earnings |
| FR-8 | Admin Dashboard | View and manage users, jobs, and payments Handle disputes and reported content |

## Non-functional Requirements

The following are the non-functional requirements of the proposed solution.

### Non-Functional Requirements – Freelance Finder

| NFR No. | Non-Functional Requirement | Description |
| --- | --- | --- |
| NFR-1 | Usability | The platform must be user-friendly, intuitive, and responsive for freelancers and clients alike. |
| NFR-2 | Security | Use SSL encryption, role-based access control, secure API endpoints, and secure login protocols (OAuth, 2FA). |
| NFR-3 | Reliability | Ensure job posting, chat, and payment services are consistently available and operational. |
| NFR-4 | Performance | System response time under 2 seconds; job feed updates, messaging, and payment confirmation should be real-time. |
| NFR-5 | Availability | Platform must ensure 99.9% uptime with 24/7 accessibility. |
| NFR-6 | Scalability | Platform should support a growing user base and increased job volume without performance degradation. |
| NFR-7 | Maintainability | Clean, modular codebase allowing easy updates and integration of new features. |
| NFR-8 | Compatibility | Cross-browser and mobile compatibility across major platforms (Chrome, Firefox, Safari, Android, iOS). |