## Requirement Gathering and Analysis Phase Solution

## Requirements (Functional & Non-functional)

**Project Name:** *Freelancer Finder***Date:** *28 June 2025* **Team ID:** LTVIP2025TMID58557

**Functional Requirements:**

*Following are the functional requirements of the proposed solution.*

| ***FR No.*** | ***Functional Requirement (Epic)*** | ***Sub Requirement (Story / Sub-Task)*** |
| --- | --- | --- |
| ***FR-1*** | *User Registration* | *Register via form, Register using Google OAuth* |
| ***FR-2*** | *User Authentication & Verification* | *JWT-based login/logout, Email confirmation using Nodemailer* |
| ***FR-3*** | *Freelancer Profiles* | *Create/Edit profile, Add skills, Add experience and languages* |
| ***FR-4*** | *Job Posting* | *Clients post jobs with budget, category, and description* |
| ***FR-5*** | *Search and Filter Freelancers* | *Filter by skills, location, availability* |
| ***FR-6*** | *Application Module* | *Freelancers apply to jobs, attach CV or portfolio* |
| ***FR-7*** | *Real-time Chat* | *Initiate chat, live messaging between freelancers and clients* |
| ***FR-8*** | *Admin Dashboard* | *Monitor all users, manage reported content, block users* |
| ***FR-9*** | *Notifications* | *Receive notifications on job status or chat replies* |
| ***FR-10*** | *Ratings and Reviews* | *Rate users post-completion of project* |
| ***FR-11*** | *Resume Upload/File Handling* | *Upload resume or portfolio files using Multer or AWS S3* |
| ***FR-12*** | *Email Alerts* | *Email notifications for job matches, new applicants* |

**Non-Functional Requirements:**

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| **NFR-1** | *Usability* | *Clean, responsive UI for freelancers, clients, and admin* |
| **NFR-2** | *Security* | *JWT, OAuth, HTTPS, encrypted data storage, compliance with data protection* |
| **NFR-3** | *Reliability* | *Uptime through cloud services, backups, and monitoring* |
| **NFR-4** | *Performance* | *Fast load times, optimized DB queries, caching for APIs* |
| **NFR-5** | *Availability* | *Cloud-based deployment with SLA-defined uptime and redundancy* |
| **NFR-6** | *Scalability* | *Microservice-ready architecture, horizontal scaling on cloud infrastructure* |