# Project Design Phase-II
## Solution Requirements (Functional & Non-functional)

| Date | 1 Feb 2026 |
|---|---|
| Team ID | LTVIP2026TMIDS24922 |
| Project Name | Toycraft Tales: Tableau's Vision into Toy Manufacturer Data |
| Marks | 2 Marks |

**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 | • Registration through Form<br>• Registration through Gmail |
| FR-2 | User Login | • Login with Email and Password |
| FR-3 | Profile Management | • create/update Client profile<br>• create/update freelancer Profile(including skills and portfolio) |
| FR-4 | Project Management(client) | • Post new project and view bids on project<br>• select freelancer for project<br>• review submitted work<br>• Provide feedback/Rating for freelancer. |
| FR-5 | Project management(Freelancer) | • Browser/Filter projects<br>• submit Bids on projects<br>• submit completed project work. |
| FR-6 | Communication&collaboration | • Integrated Chat System for Client-Freelancer Communication<br>• Real-time Updates and Notifications |
| FR-7 | Admin Panel | • Manage Users(clients and freelancers)<br>• Manage Projects/transactions |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| NFR No. | Non-Functional Requirement | Description |
| --- | --- | --- |
| NFR-1 | Usability | User-friendly UI with simple navigation and responsive design using Bootstrap and Material UI libraries. |
| NFR-2 | Security | Secure handling of user data, ensuring integrity and security of every transaction and user-contributed content. |
| NFR-3 | Reliability | Consistent functionality and stable performance under varying user loads and interactions. |
| NFR-4 | Performance | Fast response times for Browse projects, submitting bids, communicating, and loading dashboards, facilitated by Express.js and MongoDB. |
| NFR-5 | Availability | The platform should aim for high uptime to be the go-to platform for users seeking opportunities. |
| NFR-6 | Scalability | The client-server model with Express.js backend .MongoDB data storage offers a scalable solution for future growth. |