

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

Date	3 Feb 2026
Team ID	LTVIP2026TMIDS90501
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	<ul style="list-style-type: none"> • Registration through Form • Registration through Gmail
FR-2	User Login	<ul style="list-style-type: none"> • Login with Email and Password
FR-3	Profile Management	<ul style="list-style-type: none"> • create/update Client profile • create/update freelancer Profile(including skills and portfolio)
FR-4	Project Management(client)	<ul style="list-style-type: none"> • Post new project and view bids on project • select freelancer for project • review submitted work • Provide feedback/Rating for freelancer.
FR-5	Project management(Freelancer)	<ul style="list-style-type: none"> • Browser/Filter projects • submit Bids on projects • submit completed project work.
FR-6	Communication&collaboration	<ul style="list-style-type: none"> • Integrated Chat System for Client-Freelancer Communication • Real-time Updates and Notifications
FR-7	Admin Panel	<ul style="list-style-type: none"> • Manage Users(clients and freelancers) • 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 <u>Bootstrap</u> and <u>Material UI libraries</u> .
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.