

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

Date	29 June 2025
Team ID	LTVIP2025TMID48638
Project Name	Visualizing housing market trends: an analysis of sale
Maximum Marks	4 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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login & Access Control	Secure login with password OAuth-based login Role-based access control (Admin, User)
FR-4	Dashboard & User Interface	Personalized dashboard view Real-time updates on user activities
FR-5	Project & Task Management	Create new project spaces Define tasks and subtasks
FR-6	File Storage & Version Control	Upload and download documents Organize files in folders with search/filter

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The platform should have an intuitive and user-friendly interface accessible to all user types.
NFR-2	<b>Security</b>	All user data must be encrypted, secure login protocols used, and the platform must comply with data protection regulations.
NFR-3	<b>Reliability</b>	The system should provide consistent performance with minimal errors or downtime.
NFR-4	<b>Performance</b>	The platform should load within 3 seconds under normal usage and support simultaneous users efficiently.
NFR-5	<b>Availability</b>	The system should be accessible 24/7 with at least 99.9% uptime.
NFR-6	<b>Scalability</b>	The solution must support scaling to accommodate growing user base and increased data volume.

