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

Date	22 June 2025
Team ID	LTVIP2025TMID47753
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features
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	- Login with Email/Password - Login via Gmail - Login via LinkedIn
FR-4	Profile Management	- View Profile - Edit Profile Information - Upload Profile Picture - Change Password

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user interface should be intuitive, easy to navigate, and responsive across all devices.
NFR-2	Security	All data should be encrypted in transit and at rest. Multi-factor authentication (MFA) should be supported.
NFR-3	Reliability	The system should be highly reliable with a failure rate of less than 0.1%. Daily backups should be maintained.
NFR-4	Performance	The system should load within 3 seconds under normal network conditions.
NFR-5	Availability	The system should maintain 99.9% uptime on a monthly basis.
NFR-6	Scalability	The application should be able to scale horizontally to handle increasing numbers of users without performance degradation.