

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

Date	23 June2025
Team ID	LTVIP2025TMID49805
Project Name	Visualizing house market trends:an analysisnof scales prices and feactures using tableau
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	Data Upload & Processing	Upload housing dataset (CSV, Excel) - Data cleaning and preparation - Auto mapping of features
FR-4	Dashboard Visualizations	- Sales price analysis by year, location, house condition - Filters

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Interface must be simple, intuitive, and user-friendly to support non-technical users.
NFR-2	<b>Security</b>	All user data and uploaded files should be encrypted. Secure login and authentication must be enforced
NFR-3	<b>Reliability</b>	The dashboard must function consistently without crashes, even with large datasets.
NFR-4	<b>Performance</b>	Visualizations should load within 5 seconds for smooth interaction.
NFR-5	<b>Availability</b>	The solution should ensure 99.9% uptime and be accessible 24/7

NFR-6	<b>Scalability</b>	System should support increasing numbers of users and growing data volumes without performance issues.