

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

Date	3 February 2026
Team ID	LTVIP2026TMIDS80267
Project Name	Visualizing Housing Market Trends
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	Upload Datasets	The system shall accept file formats such as .csv, .xlsx, and .json. The users shall be notified if the file format is invalid.
FR-2	Display Trends	The system shall provide line and area charts to show price trends. The system shall display tooltips with exact values on hover.
FR-3	Time Filtering	Users shall be able to select customer time intervals. The system shall provide quick filters like "Last 6 Months", "This Year"
FR-4	User Account Features	The system shall allow user registration and login. Logged-in users shall be able to save dashboards.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Focuses on how easy and intuitive the system is for users.
NFR-2	<b>Security</b>	Protects system data and operations from unauthorized access and misuse.
NFR-3	<b>Reliability</b>	Ensures the system performs correctly and consistently.
NFR-4	<b>Performance</b>	Refers to the speed and responsiveness of the system.
NFR-5	<b>Availability</b>	Focuses on ensuring the system is accessible and operational.

NFR-6	<b>Scalability</b>	Defines how the system adapts to increased workload or growth.
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