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

Date	23 July 2025
Team ID	PNT2025TMID10117
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 intervales. 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	**Usability**	Focuses on how easy and intuitive the system is for users.
NFR-2	**Security**	Protects system data and operations from unauthorized access and misuse.
NFR-3	**Reliability**	Ensures the system performs correctly and consistently.
NFR-4	**Performance**	Refers to the speed and responsiveness of the system.
NFR-5	**Availability**	Focuses on ensuring the system is accessible and operational.
NFR-6	**Scalability**	Defines how the system adapts to increased workload or growth.