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

Date	3 July 2025
Team ID	LTVIP2025TMID50773
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	Dashboard must show impact of renovation on sale price	Compare average sale price for renovated vs non-renovated houses Filter by years since renovation
FR-2	User should be able to filter by house attributes	Filters for number of bedrooms, bathrooms, floors -Dropdowns for zip code groups and age brackets
FR-3	Dashboard must show trends over time	Use histograms or line charts for years since renovation Allow view of house age distribution
FR-4	Provide geographic distribution using maps	Show house locations using Latitude/Longitude Use color/size to reflect pricing or renovations

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The dashboard should be easy to understand and use by both technical and non-technical users.
NFR-2	**Security**	Access to the dashboard and dataset should be restricted to authorized team members only.
NFR-3	**Reliability**	The dashboard must load and display accurate data without errors every time it's opened.
NFR-4	**Performance**	The dashboard should load within a few seconds, even with filters applied on large datasets.
NFR-5	**Availability**	The dashboard should be accessible at any time when shared or published on Tableau Public.
NFR-6	**Scalability**	The dashboard should be able to handle more data or new filters/charts without breaking or lag.