

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

Date	31 January 2025
Team ID	LTVIP2026TMIDS75520
Project Name	Visualization 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	User Access	Access housing market dashboard through web application
FR-2	Data Visualization	Display KPI overview (Total Houses, Avg Sale Price, Basement Area)
FR-3	Renovation Impact Analysis	Compare sale prices of renovated vs non-renovated houses
FR-4	House Age & Feature Analysis	Visualize house age distribution and compare bedrooms, bathrooms, floors
FR-5	Interactive Dashboard	Enable filters, tooltips, and hover interactions
FR-6	Story Presentation	Provide story view explaining insights step-by-step

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard should be easy to understand and user-friendly
NFR-2	Security	Data access should be restricted to authorized users
NFR-3	Reliability	Dashboard should load correctly without errors
NFR-4	Performance	Visualizations should load quickly without delay
NFR-5	Availability	Dashboard should be accessible whenever required
NFR-6	Scalability	System should support additional datasets and future enhancements