

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

Date	25 June 2025
Team ID	LTVIP2025TMID50251
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features 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	Data Import	Upload Excel/CSV file into Tableau
FR-2	Data Cleaning	Handle missing/null values, ensure consistency in feature labels
FR-3	Data Visualization	Create histogram, pie chart, grouped bar chart, and KPI summary cards
FR-4	Dashboard Interactivity	Add filters (age, renovation year, floors), tooltips, and highlight
FR-5	Insight Generation	Analyse trends based on renovation, house age, and house features
FR-6	Dashboard Design	Ensure consistent layout, legends, colour schemes, and label.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard should be simple, clear, and easy to navigate
NFR-2	Security	Ensure no sensitive or personal data is used
NFR-3	Reliability	Dashboard should not crash or throw errors
NFR-4	Performance	Dashboard should load quickly even with filters applied
NFR-5	Availability	Should be accessible anytime (e.g., via Tableau Public link)
NFR-6	Scalability	Should support additional datasets in the future without redesign