

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

Date	25 June 2025
Team ID	LTVIP2025TMID51671
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	<b>Usability</b>	Dashboard should be simple, clear, and easy to navigate
NFR-2	<b>Security</b>	Ensure no sensitive or personal data is used
NFR-3	<b>Reliability</b>	Dashboard should not crash or throw errors
NFR-4	<b>Performance</b>	Dashboard should load quickly even with filters applied
NFR-5	<b>Availability</b>	Should be accessible anytime (e.g., via Tableau Public link)
NFR-6	<b>Scalability</b>	Should support additional datasets in the future without redesign