

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

Date	26 JUNE 2025
Team ID	LTVIP2025TMID51830
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 Ingestion	Load transformed housing data from Excel/CSV into Tableau
FR-2	Data Filtering & Selection	Apply filters for house age, renovation status, bedrooms, price ranges
FR-3	Visualization Generation	Generate bar charts, pie charts, maps, and histograms based on user filters
FR-4	Interactive Dashboard	Enable dynamic user interactions like drill-downs, tooltips, and storyboards

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Tableau dashboard should be intuitive, easy to navigate, and user-friendly.
NFR-2	Security	Data access restricted to authorized team members and stakeholders.
NFR-3	Reliability	The dashboard should function correctly under all intended data scenarios.
NFR-4	Performance	The visualizations should load within 2–3 seconds even for large datasets.
NFR-5	Availability	The dashboard should be accessible during demo and review sessions.

NFR-6	Scalability	The system should handle additional datasets or extended features in the future.
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