

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

Date	25 June 2025
Team ID	LTVIP2025TMID47396
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 Handling	Upload Housing Dataset (.csv) Clean & preprocess data
FR-2	Data Visualization	Bar chart: Avg Price by Location Scatter plot: Area vs Price Histogram: Price Distribution Pie chart: Transaction Type
FR-3	User Interaction	Add filters for location, furnishing type, and bedrooms Export visualizations as images
FR-4	Dashboard Deployment	Host dashboard on Tableau Public or Server Provide public or restricted access

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard is simple, interactive, and intuitive for non-technical users
NFR-2	Security	Access to dashboards can be permission-based (e.g., private links, passwords)
NFR-3	Reliability	Dashboard works consistently without failure when data is refreshed
NFR-4	Performance	Visualizations load quickly with optimized data sources
NFR-5	Availability	Dashboard is accessible 24/7 via Tableau Public or internal server
NFR-6	Scalability	Can handle larger datasets and additional charts in future