

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

Date	28 June 2025
Team ID	LTVIP2025MID48455
Project Name	Visualising housing market trends: An analysis of sales 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 Upload	Upload CSV dataset with housing features and prices
FR-2	Data Preprocessing	Handle missing values, normalize features
FR-3	Data Analysis	Analyze patterns, feature correlations
FR-4	Visualization using Tableau	Create interactive dashboards (maps, trends, comparisons)
FR-5	Export Insights	Allow export of dashboards as PDF/Images

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Clean UI/UX with filters, legends, and interactive elements
NFR-2	Security	Access restriction to sensitive data and sharing controls
NFR-3	Reliability	Dashboards must remain accurate after data refresh or updates
NFR-4	Performance	Dashboards must load within 5 seconds
NFR-5	Availability	System accessible 99.9% of the time
NFR-6	Scalability	Should handle increasing dataset size across cities/regions