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

Date	11 Feb 2026
Team ID	LTVIP2026TMIDS38740
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 Upload	Upload housing dataset in CSV format
FR-2	Data Preprocessing	Clean null values, format columns, categorize variables
FR-3	Visualization	Create interactive dashboards using Tableau
FR-4	Filtering & Interactivity	Enable year-based, feature-based filters (bathrooms, bedrooms)
FR-5	Dashboard Sharing	Publish dashboards to Tableau Public, generate shareable links
FR-6	Report Generation	Export screenshots and summary insights as PDF

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboards must be easy to navigate and interpret for all stakeholders
NFR-2	Security	Secure Tableau links and anonymized dataset to protect user data
NFR-3	Reliability	Dashboards should load correctly without data loss or rendering issues
NFR-4	Performance	Dashboards should load in under 5 seconds for optimal user experience
NFR-5	Availability	Dashboards must be accessible online 24/7 on Tableau Public
NFR-6	Scalability	System should support future datasets with more years or property records