Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	20-02-2026
Team ID	LTVIP2026TMIDS24217
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
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 Collection	Upload housing dataset in CSV format
FR-2	Data Preparation	Clean, filter, and transform data using Tableau Prep
FR-3	KPI Visualization	Display average sale price, total records, and basement area KPIs
FR-4	Feature-based Visualization	Visualize house age by renovations, bathrooms, bedrooms, and floors
FR-5	Dashboard Sharing	Export or share dashboard via Tableau Public link

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard should be easy to navigate and understand for all user roles
NFR-2	Security	Only authorized users should upload or modify data
NFR-3	Reliability	Dashboard should load consistently without failures
NFR-4	Performance	Load and refresh time should be under 5 seconds for average datasets

| NFR-5 | Availability | Dashboard must be available at all working hours without major downtime |
| NFR-6 | Scalability | Solution must support growing datasets and allow adding new visual modules |