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

Date	23 June 2025
Team ID	LTVIP2025TMID50159
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	Dataset Upload	Upload Kaggle housing dataset into Tableau
FR-2	Data Cleaning	Remove null values, drop irrelevant fields, rename columns
FR-3	Visualization Creation	Create sales trend charts, renovation vs. price graphs
FR-4	Dashboard Building	Apply filters, slicers (age, location, renovation year)
FR-5	Storyboarding	Create a narrative with visual insights using dashboards
FR-6	Dashboard Viewing	Business users view dashboards on Tableau Public
FR-7	Export and Sharing	Save and upload final Tableau file to Google Drive

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboards are user-friendly, easily navigable, with clear labels & filters
NFR-2	**Security**	Tableau file access is restricted to team; secure storage on Google Drive
NFR-3	**Reliability**	Visuals consistently render across systems using Tableau Public
NFR-4	**Performance**	Dashboards optimized to load quickly; uses calculated fields efficiently
NFR-5	**Availability**	Dashboards available via Tableau Public; file backup on Drive
NFR-6	**Scalability**	Tableau project can handle more data or charts without major redesign