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

Date	26-06-2025
Team ID	LTVIP2025TMID51031
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	Load Housing Dataset	Upload CSV file, Connect to Tableau, Preview and inspect data
FR-2	Create Visualizations	Bar Chart: Sales vs Years Since Renovation, Pie Chart: Age by Status, Grouped Bar: Age vs Bedrooms, Bathrooms, Floors
FR-3	Design Dashboard	Add charts to dashboard, Use filters (bedrooms, renovation)Format layout for clarity
FR-4	Build Tableau Story	Create multiple scenes, Summarize findings per scene, Make it interactive
FR-5	Publish and Share	Generate public Tableau links, Export screenshots, Embed in final report

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interface should be intuitive, suitable for analysts and non-tech users
NFR-2	Security	Dataset shared only through secure Tableau Public links
NFR-3	Reliability	Charts and dashboards must not break or crash while navigating
NFR-4	Performance	Visuals should load smoothly even with full dataset (~21,000 rows)
NFR-5	Availability	Accessible any time via public Tableau link
NFR-6	Scalability	Framework should support future updates or new datasets