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

Date	06 February 2026
Team ID	LTVIP2026TMIDS90490
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 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	Import housing dataset (CSV/Excel)
FR-2	Data Cleaning	Handle missing values, remove duplicates
FR-3	Data Preparation	Create calculated fields, filters
FR-4	Feature Analysis	Compare price vs location, size, rooms
FR-5	Interactive Dashboards	Filters for location, price range
FR-6	Visualization Creation	Bar charts, line charts, pie charts
FR-7	Insight Generation	Identify key price influencing factors
FR-8	Dashboard Publishing	Share Tableau dashboard online
FR-9	User Interaction	View, filter, explore insights

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboards should be easy to understand with clear charts and filters
NFR-2	Security	Housing dataset should be protected from unauthorized modifications
NFR-3	Reliability	Visualizations should consistently show correct data insights
NFR-4	Performance	Dashboard should load and respond quickly to user interactions
NFR-5	Availability	Tableau dashboard should be accessible whenever required
NFR-6	Scalability	Dashboard should support additional housing data in the future