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

Date	17/06/25
Team ID	LTVIP2025TMID48268
Project Name	Visualizing housing market trends: an analysis of sale prices and features
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 Import	Import data from CSV Live database integration (MySQL)
FR-2	Data Cleaning & Transformation	Clean missing values Add calculated fields like Year, Lockdown
FR-3	Data Visualization	Create Tableau worksheets Build multiple dashboards
FR-4	User Interaction	Filter by region, year View comparative bar charts Analyze pre/post lockdown trends
FR-5	User Access	Role-based view (Analyst, Policy Maker, Developer) Download/export insights
FR-6	Feedback Loop	Stakeholders review and request changes Implement revision cycle

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive Tableau dashboard with clear filters and legends
NFR-2	Security	Role-based access and secure database connection
NFR-3	Reliability	System handles unexpected data formats and ensures accuracy
NFR-4	Performance	Fast load times and responsiveness of visualizations
NFR-5	Availability	Dashboard is accessible across devices with minimal downtime
NFR-6	Scalability	Supports increasing data volume and new features