Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	20 June 2025
Team ID	LTVIP2025TMID38975
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	Data Import	Load housing dataset from Excel or CSV
FR-2	Filtering & Interaction	Filter by city, price range, property size
FR-3	Visualization Generation	Display bar charts, line graphs, heatmaps
FR-4	Comparison Feature	Allow comparison of multiple cities/areas
FR-5	Export/Download	Enable export of visuals to PDF or image
FR-6	Saved View	Allow saving filter settings for later reuse

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The dashboard should be intuitive and easy to use for non-technical users
NFR-2	**Security**	User data (if any) must be handled securely; access via Tableau Public
NFR-3	**Reliability**	The system should be available 99% of the time
NFR-4	**Performance**	Visualization should load within 3 seconds
NFR-5	**Availability**	Dashboard should be accessible 24/7 via the published tableau link
NFR-6	**Scalability**	Should handle increased data size