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

Date	29 June 2025
Team ID	LTVIP2025TMID49726
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Import	Import raw data from CSV files Load datasets into Tableau
FR-4	Data Visualization	Create dashboards showing house sales trends Visualize renovation impact on sales Plot house age distribution based on features like bathrooms
FR-5	Dashboard Interactivity	Add filters for time range and property type Enable drill-down into specific data categories

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboards should have an intuitive interface with clear legends and tooltips.
NFR-2	**Security**	Ensure data security during upload and sharing, including user authentication.
NFR-3	**Reliability**	Dashboards should load consistently under various conditions.
NFR-4	**Performance**	Queries and visualizations should render in under 3 seconds for optimal user experience.
NFR-5	**Availability**	The platform should be accessible 24/7 with minimal downtime.
NFR-6	**Scalability**	Support increasing datasets without degrading performance, allowing scalability for larger markets.