

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

Date	31 January 2025
Team ID	LTVIP2025TMID50177
Project Name	Visualizing Housing Market Trends:An Analysis Of Sales 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	Dashboard Access & Visualization	Access user-specific dashboard View KPIs, charts, and summaries Filter data by renovation year, price range, features
FR-4	Report Export & Sharing	Export dashboard views as PDF or image Share reports via email/download link
FR-5	User Access & Role Management	Assign roles (Admin, Analyst, Viewer) Set access permissions for features and data visibility Login/logout/session control
FR-6	Feedback Collection	Allow users to submit feedback on dashboard usability Include rating system (stars or thumbs up/down) Capture user suggestions for future features

Dashboard Access & Visualization

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 filter and legends
NFR-2	Security	Role-based access and secure database connection
NFR-3	Reliability	System handles unexpected data formats
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
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