

# REQUIREMENT ANALYSIS

## HOUSING INSIGHTS-SOLUTION REQUIREMENTS

Date	18 June 2025
Team ID	LTVIP2025TMID20787
Project Name	Visualizing Housing Market Trends: An Analysis of Sales Prices and Features Using Tableau
Maximum Marks	4 marks

### Functional Requirements:

FR. No	Functional Requirement (Epic)	Sub Requirement (story/sub-task)
FR-1	Housing data collection	Import housing data from CSV collect renovation, room count, pricing data
FR-2	User interaction	Filter houses by price, age, or feature's view trends by location or renovation status
FR-3	Insights generation	Analyse price trends by renovation and features generate tableau dashboards
FR-4	Visualization & Reporting	Export reports in PDF/Excel share dashboards via email
FR-5	Authentication & Access control	Access control for analysts/admins login via secure platforms

### Non-Functional Requirements:

FR No	Non-Functional Requirements	Description
NFR-1	Usability	The system should offer an intuitive interface for analysts and marketing teams to interact with housing data.
NFR-2	Security	Sensitive data access must be protected via role-based access control and encrypted channels.

NFR-3	Reliability	The platform should consistently produce accurate insights and recover from minor faults automatically.
NFR-4	Performance	Dashboard and analysis should load in under 3 seconds for datasets up to 10,000 records.
NFR-5	Availability	The system should maintain 99.9% up time to support 24/7 access for global stakeholders.
NFR-6	Scalability	The solution should scale efficiency with additional users, datasets, or new data sources