

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

Date	13 February 2026
Team ID	LTVIP2026TMIDS79733
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 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 Collection	Import housing dataset (CSV/Excel)
FR-2	Data Cleaning	Handle missing values, remove duplicates
FR-3	Data Preparation	Create calculated fields, filters
FR-4	Feature Analysis	Compare price vs location, size, rooms
FR-5	Interactive Dashboards	Filters for location, price range
FR-6	Visualization Creation	Bar charts, line charts, maps
FR-7	Insight Generation	Identify key price influencing factors
FR-8	Dashboard Publishing	Share Tableau dashboard online
FR-9	User Interaction	View, filter, explore insights

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Dashboards should be easy to understand with clear charts and filters
NFR-2	<b>Security</b>	Housing dataset should be protected from unauthorized modifications
NFR-3	<b>Reliability</b>	Visualizations should consistently show correct data insights
NFR-4	<b>Performance</b>	Dashboard should load and respond quickly to user interactions
NFR-5	<b>Availability</b>	Tableau dashboard should be accessible whenever required
NFR-6	<b>Scalability</b>	Dashboard should support additional housing data in the future