

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

Date	30 JUNE 2025
Team ID	LTVIP2025TMID48066
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	Form-based sign-up,Linkedin
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Upload	Upload housing datasets Manually or via API
FR-4	Data Cleaning and prep	Use Tableau prep
FR-5	Interactive Dashboard	Filtering by price,location,features.
FR-6	User profile Management	Preferences saved dashboards,dataset history

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Simple UI,mobile-friendly Dashboard
NFR-2	<b>Security</b>	Secure login,encrypted data.
NFR-3	<b>Reliability</b>	System recovers gracefully from failure
NFR-4	<b>Performance</b>	Dashboards load in <5 seconds for standard queries
NFR-5	<b>Availability</b>	System uptime at 99.9% with minimal planned maintenance
NFR-6	<b>Scalability</b>	capable for handling large housing datasets