

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date:	3rd July 2025
Team ID:	LTVIP2025TMID48488
Project Name:	Housing Visualization Analysis Trend
Maximum Marks:	4 Marks

✅ Functional Requirements:

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	Housing Data Visualization	Filter by City, Year, and Price Range Interactive Charts (Bar, Line, Heatmap)
FR-4	Export Features	Download Trends as PDF or Excel Report
FR-5	Admin Upload	Upload Housing Dataset in CSV/Excel format
FR-6	Predictive Trend Analysis	View ML-based price predictions

🔒 Non-functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interface should be simple

		and easy to navigate
NFR-2	Security	Data privacy, secure login, and authentication measures
NFR-3	Reliability	System should work correctly 24/7 without critical failures
NFR-4	Performance	Must support real-time filtering and fast loading of dashboards
NFR-5	Availability	Tableau Public or hosting must ensure uptime and access
NFR-6	Scalability	Should support increasing datasets and more concurrent users