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

Date	01-02-2026
Team ID	LTVIP2026TMIDS24955
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
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	Data Upload & Storage	Upload CSV File Store into MySQL Database
FR-4	Data Visualization	Create visualizations in Tableau Integrate with dashboard Age,year charts
FR-5	Dashboard Access	View interactive Tableau dashboard Use filters
FR-6	Web Integration	Embed Tableau dashboard into Flask-based UI
FR-7	Insights & Reports	View data stories Access summary reports on usage patterns

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Interface should be intuitive and user-friendly for both technical and non-technical users
NFR-2	**Security**	Secure login with OTP/Email, protected data access
NFR-3	**Reliability**	System should consistently provide correct visualization
NFR-4	**Performance**	Dashboards should load within 3–5 seconds even for la
NFR-5	**Availability**	The platform should be available 24/7 without major dashboard

NFR-6	Scalability	
		Should support addition of new datasets and visualization