Project Design Phase
Solution Architecture

Date	26-06-2025
Team ID	LTVIP2025TMID51031
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.

- Describe the structure, characteristics, behaviour, and other aspects of the software to project stakeholders.

- Define features, development phases, and solution requirements.

- Provide specifications according to which the solution is defined, managed, and delivered.

The solution architecture for this project describes how the housing dataset is processed and visualized using Tableau. The architecture includes data ingestion from Kaggle, local data cleaning, visualization with Tableau Public, and sharing through Tableau Public links and GitHub. This supports a scalable, reusable, and easy-to-maintain solution for visual analysis of housing market trends.

Example - Solution Architecture Diagram: Architecture and Data Flow of the Housing Market Tableau Visualization Project"