Project Design Phase
Solution Architecture

Date	19 June 2025
Team ID	LTVIP2025TMID48912
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau.
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture for this project outlines how data is collected, processed, and visualized to provide insights into housing market trends using Tableau. It identifies the best technologies to support the transformation of raw housing data (CSV/Excel) into meaningful visual dashboards. The architecture also defines preprocessing steps, feature engineering logic, and dashboard publication mechanisms.

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, 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.

Example - Solution Architecture Diagram:

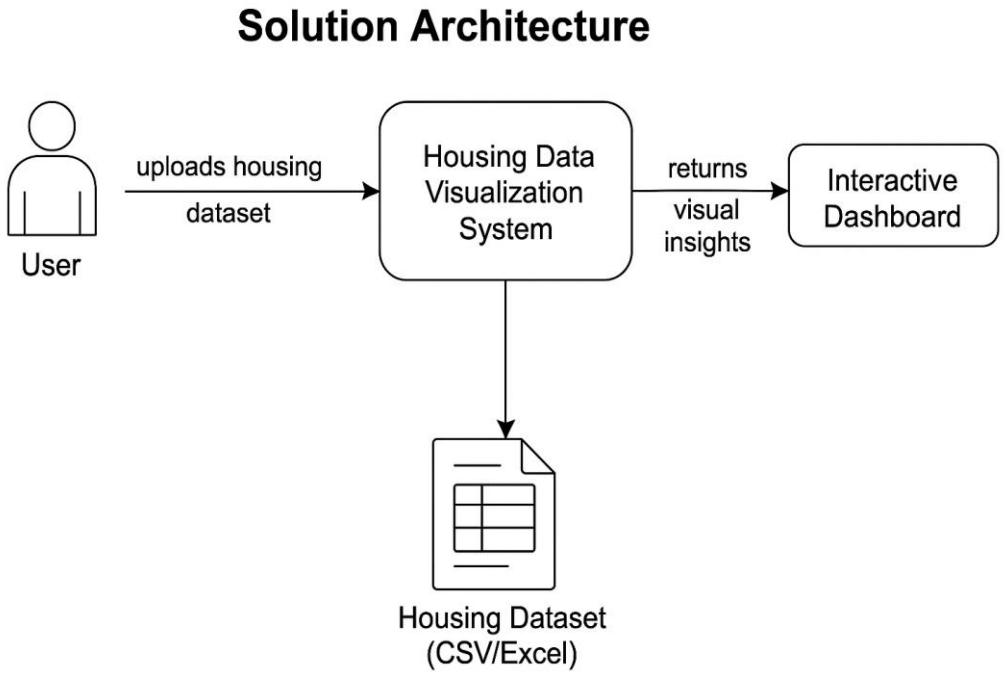

Figure 1: Architecture and data flow of the voice patient diary sample application.