

Project Design Phase

Solution Architecture

Date	29 June 2025
Team ID	LTVIP2025TMID59588
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

Solution Architecture:

The solution begins with users uploading real estate data in CSV format, which is cleaned and transformed using Python. The processed data is optionally stored in a MySQL database managed through MySQL Workbench. Tableau Public connects to this structured data to create dynamic dashboards for visual analysis. A Flask web application, styled with HTML and CSS, hosts these dashboards on the web. End users access the platform via a browser to explore trends, filter data, and gain actionable insights.

Solution Architecture Diagram:

