

Project Design Phase

Problem Solution Fit

Date	20/02/2026
Team ID	LTVIP2026TMIDS41691
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

Problem Statement

Real estate companies often face challenges in understanding the key factors that influence housing sale prices and how these factors interact over time. Traditional methods lack the ability to provide dynamic visual insights into elements such as house age, renovation status, lot size, view quality, and feature combinations (e.g., number of bathrooms, bedrooms, and floors). This gap limits the ability of analysts and decision-makers to respond to market trends efficiently, resulting in suboptimal pricing strategies and reduced competitiveness in dynamic housing markets.

Purpose:

- ★ To provide an interactive Tableau dashboard for visualizing housing market trends.
- ★ To help real estate analysts and decision-makers explore how different features impact house prices.
- ★ To analyze key attributes such as renovation status, house age, lot size, view, grade, and number of rooms.
- ★ To support data-driven pricing strategies through clear and accessible visual insights.

- ★ To reduce dependency on static, manual reports and enable real-time decision-making. ★ To improve overall competitiveness by identifying actionable trends in housing data.

