

## Project Design Phase

### Proposed Solution

Date	26 June 2025
Team ID	LTVIP2025TMID48466
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

#### Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Real estate stakeholders lack a dynamic, visual system to analyze housing sale prices based on important features like renovations, house age, view, and condition. This leads to suboptimal pricing and strategic inefficiency.
2.	Idea / Solution description	The solution is an interactive Tableau dashboard that transforms raw housing data into actionable insights. It supports filtering, trend analysis, and comparison across various attributes like bathrooms, floors, and grades.
3.	Novelty / Uniqueness	Instead of relying on static Excel reports, this project provides a multi-scenario, user-friendly Tableau dashboard with interactive features that allow deep, visual exploration of pricing factors.
4.	Social Impact / Customer Satisfaction	Enhances transparency in real estate pricing. Enables better-informed decisions by analysts and customers, potentially leading to fairer pricing and increased trust in property evaluations.
5.	Business Model (Revenue Model)	Can be adapted into a subscription-based analytics tool for real estate firms or offered as a data visualization service for developers, agents, and consultancies.
6.	Scalability of the Solution	The dashboard can be extended to incorporate real-time market feeds, integrated APIs (e.g. Zillow, Google Maps), and deployed on Tableau Cloud for broader enterprise access.