

Project Design Phase
Proposed Solution Template

Date	28 june 2025
Team ID	LTVIP2025TMID47530
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 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)	Understanding housing market trends is challenging due to large and complex datasets. Stakeholders need a simple, interactive dashboard to analyze sale prices, property types, and location-based trends for better decision-making.
2.	Idea / Solution description	Develop an interactive Tableau dashboard that combines multiple visualizations (Bar, Pie, Stacked Bar, Line, and Bubble charts) to represent housing market insights. Include filters for city, price range, and property type to make analysis user-friendly.
3.	Novelty / Uniqueness	Unlike static reports, this solution provides real-time interactivity with multiple filters and consolidated visualizations in a single dashboard. It eliminates the need for multiple tools and manual analysis.
4.	Social Impact / Customer Satisfaction	Helps homebuyers, investors, and policymakers make informed decisions, saving time and reducing errors in understanding housing trends.
5.	Business Model (Revenue Model)	Can be offered as a premium analytics solution for real estate firms, subscription-based model for investors, or SaaS dashboard for housing market insights.
6.	Scalability of the Solution	The dashboard can handle larger datasets (up to 1M records) and integrate with live data sources in the future for real-time updates.