

Project Design Phase
Proposed Solution Template

Date	23 june 2025
Team ID	LTVIP2025TMID49805
Project Name	Visualizing Housing Market Trends An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2Marks

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)	The real estate market is complex, with sale prices influenced by multiple variables such as location, property features, and economic factors. Buyers, sellers, and investors lack clear, visual insights to make informed decisions. There is a need for an intuitive tool to analyze and understand housing market trends.
2.	Idea / Solution description	The project proposes an interactive Tableau dashboard that analyzes housing data, visualizing trends in sale prices based on key features like size, location, number of rooms, and age of the property. The dashboard provides dynamic filters and charts to help users make data-driven decisions.
3.	Novelty / Uniqueness	Unlike static reports, our solution offers real-time, interactive visualizations tailored to user needs. The use of Tableau enables deep drill-down capabilities and insightful trend analysis that is easy to interpret even for non-technical users.
4.	Social Impact / Customer Satisfaction	The tool empowers homebuyers, sellers, and real estate professionals with data transparency, leading to smarter choices and better market fairness. It increases customer confidence and satisfaction by simplifying complex data into visual stories.
5.	Business Model (Revenue Model)	The tool empowers homebuyers, sellers, and real estate professionals with data transparency, leading to smarter choices and better market fairness. It increases customer confidence and satisfaction by simplifying complex data into visual stories.
6.	Scalability of the Solution	The solution is highly scalable. It can be expanded to include data from different regions, integrate predictive analytics using machine learning, and be embedded into real estate platforms or mobile apps for broader accessibility.