Project Design Phase
Proposed Solution Template

Date	
Team ID	LTVIP2025TMID59126
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1	Problem Statement	Understanding the housing market is challenging due to scattered and non-visual datasets. Real estate analysts and executives struggle to identify the factors affecting house prices and renovation trends, impacting pricing strategies and planning.
2	Idea / Solution Description	Our solution uses Tableau to transform raw housing sales data into insightful visual dashboards. The data is cleaned and filtered to highlight renovation age, number of rooms, and house features, enabling deeper analysis through charts like histograms and pie charts.
3	Novelty / Uniqueness	Unlike basic spreadsheets, this solution offers interactive, filter-driven visual exploration. It allows users to see correlations like price changes post-renovation, trends based on the number of bathrooms or floors, and patterns by house age.
4	Social Impact / Customer Satisfaction	The dashboard empowers real estate teams to make data-driven decisions, optimize pricing, and identify market trends. It brings clarity to complex data, supporting both business planning and strategic decision-making.
5	Business Model (Revenue Model)	This project can be extended as a decision-support tool for real estate firms. Value-added features like predictive pricing or renovation impact analysis can be monetized for clients and stakeholders.
6	Scalability of the Solution	The solution is scalable to other real estate markets by integrating regional housing datasets. It can be expanded to include new features, geographies, or predictive analytics over time.