

## Project Design Phase

### Proposed Solution Template

Date	
Team ID	
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)	Raw housing market data is difficult to explore and analyse, making it hard for users to gain meaningful insights on sale prices, property features, and market trends.
2	Idea / Solution Description	A Tableau-based interactive dashboard that visually presents housing sale price data using scatter plots, bar charts, maps, heat maps, and forecast tools for trend analysis.
3	Novelty / Uniqueness	Combines neighborhood price mapping, feature-price correlation analysis, and price trend forecasting in a single platform; allows dynamic filtering by price range, bedrooms, quality, and neighborhood.
4	Social Impact / Customer Satisfaction	Supports home buyers, real estate agents, and urban planners by making housing price data accessible and engaging, enabling informed property decisions.
5	Business Model (Revenue Model)	Freemium model: basic dashboard for public; advanced analytics for real estate firms or banks; potential partnerships with property listing platforms or mortgage providers.
6	Scalability of the Solution	Scalable to include live MLS data feeds, additional cities, or machine learning price prediction models; applicable to any structured property dataset globally.