Project Design Phase
Proposed Solution Template

Date	09 Aug 2025
Team ID	PNT2025TMID14540
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)	Identifying the housing features—such as renovation age, total area, and house condition—that significantly influence sale prices is difficult due to unstructured, raw real estate data. Most users lack tools or skills to interpret this data effectively.
2.	Idea / Solution description	An interactive Tableau dashboard that analyzes housing data and visualizes trends based on key features like sale price, number of bedrooms, renovations, and floor area. Users can filter, compare, and explore insights in real-time.
3.	Novelty / Uniqueness	Unlike static listings or Excel reports, this solution offers interactive, visual exploration of housing market trends using Tableau. It combines spatial, temporal, and feature-based analysis for deeper insight.
4.	Social Impact / Customer Satisfaction	Helps homebuyers and investors make informed decisions. Enhances data transparency in the housing market, reduces agent dependency, and supports digital literacy in real estate analysis.
5.	Business Model (Revenue Model)	Can be monetized by offering it to real estate companies, property consultants, or data platforms as a SaaS tool or subscription-based dashboard service.
6.	Scalability of the Solution	Highly scalable to multiple cities or countries by plugging in local housing datasets or APIs. The model is reusable across various geographies and data sources.