**Project Design Phase**

**Proposed Solution Template**

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| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID47510 |
| Project Name | Visualizing Housing Market Trends: An Analysis of Sale Prices and Features |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1 | Problem Statement (Problem to be solved) | Homebuyers, investors, and analysts struggle to make informed real estate decisions due to lack of intuitive, visual tools to explore and interpret housing data. |
| 2 | Idea / Solution Description | The solution is an interactive Tableau dashboard that analyzes housing market trends, visualizes sale prices, and highlights key features that influence pricing. Users can filter data, view trends, and draw insights from multiple graphs and maps. |
| 3 | Novelty / Uniqueness | The solution uniquely combines geographical visualization, calculated metrics (like price per sqft, renovation age), and storytelling dashboards for enhanced clarity. Unlike traditional spreadsheets or static reports, this is fully dynamic and user-driven. |
| 4 | Social Impact / Customer Satisfaction | Empowers homebuyers with data transparency, helps investors identify profitable trends, and supports real estate professionals in making quick, informed suggestions. Increases confidence and satisfaction by reducing decision-making ambiguity. |
| 5 | Business Model (Revenue Model) | The dashboard can be offered as a subscription-based SaaS tool for real estate firms or bundled with market reports. Freemium model for basic features, with premium analytics for paid users. |
| 6 | Scalability of the Solution | Highly scalable – additional datasets (e.g., rental trends, demographic overlays) can be integrated. Can be expanded to other regions or countries and embedded in web portals or mobile apps. |