**Project Design Phase**

**Proposed Solution Template**

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID51009 |
| 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.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | |  | | --- | | The housing market contains large volumes of  data on property prices, features, and trends,  but these are difficult to interpret without  visualization. There is a need for an interactive,  data-driven solution to help users, analysts,  and businesses understand housing trends  effectively. |  |  | | --- | |  | |
|  | Idea / Solution description | |  | | --- | | This project proposes building an interactive  visualization solution using Tableau to  analyze key housing features such as sale price,  number of bedrooms, bathrooms, and house  age. The solution will include dashboards and  storyboards to present insights clearly and  support informed decision-making. |  |  | | --- | |  | |
|  | Novelty / Uniqueness | |  | | --- | | The project uniquely combines housing data  analysis with dynamic Tableau dashboards,  offering multi-dimensional insights through  filters, calculated fields, and interactive  visualizations—enabling users to explore  data from multiple angles. |  |  | | --- | |  | |
|  | Social Impact / Customer Satisfaction | |  | | --- | | Helps buyers, sellers, and real estate  professionals make better decisions based on  data insights. Encourages transparency in the  housing market and supports urban planning  and policy-making through visual analytics. |  |  | | --- | |  | |
|  | Business Model (Revenue Model) | |  | | --- | | The project can be extended into a SaaS  product where real estate agencies subscribe  for customized market dashboards. It can also  generate revenue through consultancy,  data services, or Tableau dashboard design  services. |  |  | | --- | |  | |
|  | Scalability of the Solution | The solution can be scaled by adding more datasets (e.g., geographic data, crime rates, schools), integrating real-time feeds, or deploying to Tableau Server/Public for broader access and user interactivity. |