**Project Design Phase**

**Problem – Solution Fit Template**

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID58256 |
| Project Name | Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau |
| Maximum Marks | 2 Marks |

**Problem–Solution Fit**

**The Problem:**

Real estate analysts and decision-makers at ABC Company are overwhelmed by large, unstructured housing datasets. They struggle to identify how renovations and house features like bathrooms, bedrooms, and floors influence sale prices. Manual analysis through spreadsheets is slow, inefficient, and leads to delayed or unclear insights.

**The Solution:**

A Tableau-based interactive dashboard that visually presents key metrics such as average sale prices, renovation impact, and feature-wise house age distribution. Built using Tableau Prep for clean and accurate data, the dashboard simplifies complex data into easy-to-understand visuals and supports fast, data-driven decision-making.

**Why It Fits:**

The solution solves the exact pain point: turning raw data into actionable insights. It matches users' workflows, saves time, improves accuracy, and empowers ABC Company to make confident real estate investment decisions.

**Purpose:**

* To simplify complex housing data and make it accessible to non-technical users.
* To reduce time spent on manual analysis and increase efficiency.
* To help users quickly spot patterns and make strategic, data-driven decisions.
* To replace static reports with dynamic, shareable visualizations.
* To ensure ABC Company can track, interpret, and respond to housing market trends in real time.

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