**Project Development Phase**

**Model Performance Test**

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| Date | june2025 |
| Team ID | LTVIP2025TMID48073 |
| Project Name | Visualizing Housing Market Trends An Analysis of Sale Prices and Features using Tableau |
| Maximum Marks |  |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

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| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered | -Total Sales by Years Since Renovation  - Distribution of House Age  - Age vs. Property Features |
|  | Data Preprocessing | - Data Cleaning: Handled missing values, removed anomalies, and validated year values (build, renovation).  **- Feature Engineering:**Calculated “Years Since Renovation” as: Years Since Renovation = Current Year - Renovated Year (if available)  -Derived “House Age” as: House Age = Current Year - Year Built  -Binning: Grouped price into bins for aggregation in the bar chart. |
| 3. | Utilization of Filters | ilters applied for:  - price(bin)  - new house age(bins)  - price(bin3) |
| 4. | Calculation fields Used | -price  -new house age |
| 5. | Dashboard design | - **Layout:** Divided into major segments (Sales over time, Age distribution, Attribute-wise age breakdown)  - **Color Coding:** Used consistent hues for categorical coherence  - **Annotations & Labels:** Displayed metric counts directly on bars and pies for clarity  - **Responsive Design:** Interactive filters likely embedded to allow data drill-downs |
| 6 | Story Design | - Establishes context with renovation-driven sales trends  - Explores structural trends in property ages  - Concludes with how key features influence or correlate with age |