**Project Development Phase**

**Model Performance Test**

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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 |  |

**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 | Data of 500+ houses including fields: Price, Bedrooms, Bathrooms, Square Footage, Age, Location, Lot Size |
|  | Data Preprocessing | Missing values handled, data types corrected, converted categorical fields (e.g. location, condition), created “Price Range” buckets |
| 3. | Utilization of Filters | Filters used: Location, Bedrooms, Bathrooms, Price Range, Year Built. Allows user to drill down by area and house features |
| 4. | Calculation fields Used | 4 calculated fields:  • Price per Square Foot  • Age of House = 2025 - Year Built  • Bedroom-Bathroom Ratio  • Price Range Bucket |
| 5. | Dashboard design | Bar chart: Avg. Price by Location  • Scatter Plot: Price vs. Square Footage  • Heat Map: Price by Bedrooms/Bathrooms  • Line Chart: Avg Price by Year Built  • Tree Map: House Count by Condition  • KPI Cards for Max/Min/Avg Price |
| 6 | Story Design | **No. of Visualizations / Graphs: 4**  • Intro & Overview of Dataset  • Regional Pricing Trends  • Factors Affecting Price  • Summary Insights & Recommendations |