

**Project Development Phase**  
**Model Performance Test**

Date	28 June 2025
Team ID	LTVIP2025TMID48073
Project Name	visualizing housing market trends
Maximum Marks	

**Model Performance Testing:**

S.No.	Parameter	Screenshot / Values
1	<b>Data Rendered</b>	Dataset: Transformed_Housing_Data2.csv Total Records: <b>21,609</b> Key Fields: Sale Price, Flat Area, Waterfront View, Age of House, Years Since Renovation
2	<b>Data Preprocessing</b>	<ul style="list-style-type: none"><li>- Null values checked and handled</li><li>- Binning on Flat Area and Sale Price</li><li>- Derived Years Since Renovation</li><li>- Outlier removal for extreme sqft</li></ul>
3	<b>Utilization of Filters</b>	<ul style="list-style-type: none"><li>- Sale Price (bin)</li><li>- Years Since Renovation</li><li>- Count of Sale Price (slider)</li><li>- Interactive filtering across graphs</li></ul>
4	<b>Calculation Fields Used</b>	<ul style="list-style-type: none"><li>- Years Since Renovation = [Year Sold] - [Year Renovated]</li><li>- Average Sale Price</li><li>- Sale Price and Flat Area binning</li><li>- Sum and Count of Sale Price</li></ul>
5	<b>Dashboard Design</b>	<b>No. of Visualizations / Graphs: 6</b> 1. Sales Price vs Flat Area (Histogram) 2. Sales Price vs Waterfront View (Density Curve) 3. Distribution of House Age by Renovation Status (Pie) 4. Sales Price vs Age of House (Scatter) 5. Total Sales by Years Since Renovation (Histogram) 6. KPI Block (Count, Average Price, Total Area)
6	<b>Story Design</b>	<b>No. of Visualizations / Graphs: 6</b> (integrated within the dashboard for narrative flow)

