

## Project Development Phase Model Performance Test

Date	10 February 2025
Team ID	PNT2025TMID09489
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.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	<input checked="" type="checkbox"/> CSV file with 1,460 records (e.g., Ames Housing dataset) loaded in Tableau.
2.	Data Preprocessing	<input checked="" type="checkbox"/> Null values removed <input checked="" type="checkbox"/> Feature selection done (e.g., 'SalePrice', 'GrLivArea', 'YearBuilt', 'OverallQual') <input checked="" type="checkbox"/> Some features grouped or binned (e.g., Year into Decades)
3.	Utilization of Filters	<input checked="" type="checkbox"/> Filters applied on: <ul style="list-style-type: none"> <li>– YearBuilt</li> <li>– Neighborhood</li> <li>– Sale Condition</li> <li>– Price Range (using parameter slider)</li> </ul>
4.	Calculation fields Used	<input checked="" type="checkbox"/> Example Calculated Fields: <ul style="list-style-type: none"> <li>– Price per SqFt = [SalePrice] / [GrLivArea]</li> <li>– Age of House = 2025 - [YearBuilt]</li> <li>– High Value Home = IF [SalePrice] &gt; 300000 THEN 'Yes' ELSE 'No'</li> </ul>
5.	Dashboard design	No of Visualizations / Graphs – <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Line chart (Avg Sale Price over Years)</li> <li><input checked="" type="checkbox"/> Bar chart (Top Neighborhoods by Avg Price)</li> <li><input checked="" type="checkbox"/> Scatter Plot (GrLivArea vs SalePrice)</li> <li><input checked="" type="checkbox"/> Map (Distribution of homes by price range)</li> </ul>
6	Story Design	No of Visualizations / Graphs – <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Slide 1: “Market Overview” (Line + Bar)</li> <li><input checked="" type="checkbox"/> Slide 2: “Price vs Features” (Scatter)</li> </ul>

		<input checked="" type="checkbox"/> Slide 3: "Location Analysis" (Map)
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