Project Development Phase

Model Performance Test

Date	28 June 2025
Team ID	LTVIP2025TMID47396
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	Data from Transformed_Housing_Data2.csv loaded successfully in Tableau. Dataset includes **Property Type**, **Locality**, **Price**, **Builder Name**, **Transaction Type**, **Area**, and other housing features.
2.	Data Preprocessing	Cleaned the CSV in Excel to remove null values, standardized locality names and builder names, handled missing prices. Added calculated fields for budget suitability and rankings.
3.	Utilization of Filters	Applied filters in dashboards to allow selection by **Locality**, **Transaction Type** (Buy/Rent), **Builder Name**, and **Property Type**. Filters support dynamic exploration of price, suitability, and popularity.
4.	Calculation fields Used	Created calculated fields for: - Budget Suitability (Low, Mid, High) - Suitability for Rent - Ranking by Average Price - Rank by Property Type Count

5.	Dashboard design	No of Visualizations / Graphs –
		- Property Type Count (Label Count)
		- Top Localities or Builders (Top Brands)
		- Price vs Builder (Price vs Brand)
		- Budget Suitability Charts:
		  - Low Budget (<₹50L)
		  - Mid Budget (₹50L–₹1Cr)
		  - High Budget (>₹1Cr)
		  - Rental Suitability
		- Builder vs Ranking
		- Property Type vs Ranking

6	Story Design	No of Visualizations / Graphs : **9** – All charts arranged in a Tableau **Storyboard** with clear **titles and captions** for user-friendly navigation. Story walks through property trends, pricing insights, and suitability.

Screenshots of Dashboard 1 with Filters: