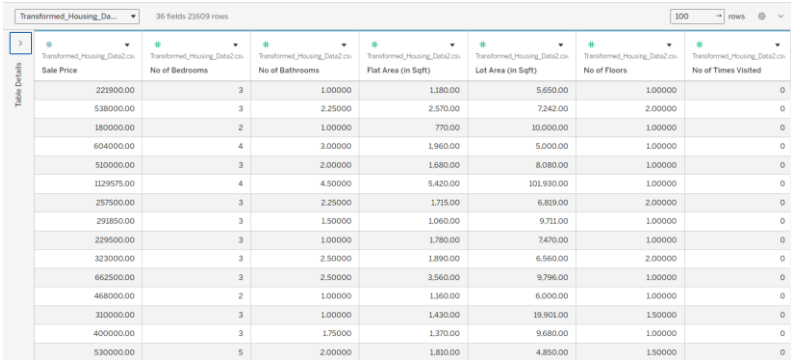


Project Development Phase Performance Test

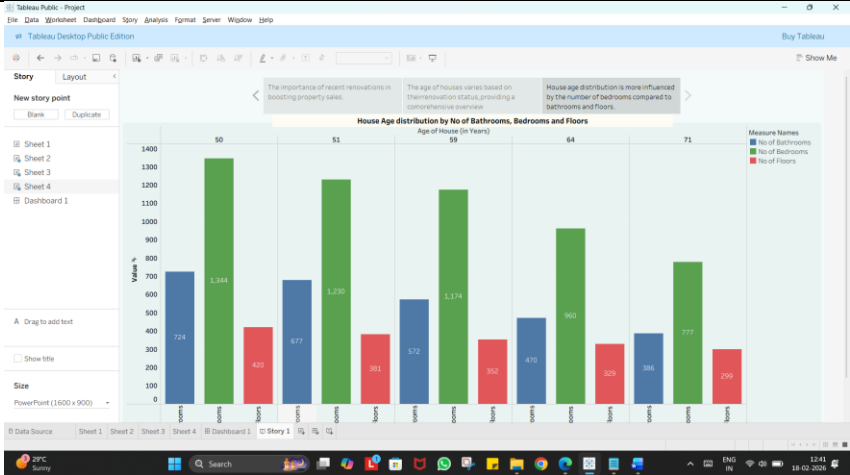
Date	10 February 2026
Team ID	LTVIP2026TMIDS28502
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	

Model Performance Testing:

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

S.No.	Parameter	Screenshot / Values
1	Data Rendered	<p>The dataset Transformed_Housing_Data2.csv was successfully loaded and rendered in Tableau Desktop. All records were displayed correctly without any errors. Tableau automatically classified the dataset into dimensions and measures, enabling accurate visualization and analysis.</p> <p>Transformed_Housing_Data2</p> 
2	Data Preprocessing	<p>Data preprocessing steps included verifying data types, cleaning dataset, and validating records. Numerical fields such as Sale Price and Basement Area were correctly identified as measures, while categorical fields such as Renovation Status, Bedrooms, Bathrooms, and Floors were identified as dimensions. No major missing or invalid data was found.</p>

		<div><div>Transformed_Housing_Data2</div><div>Filters0 Add</div><div>Transformed_Housing_Data236 fields 21609 rows100 rows</div><div><div>NameTransformed_Housing_Data2.csvDescriptionNo description available.</div><div>Fields</div><table><thead><tr><th>Type</th><th>Field Name</th><th>Phys...</th><th>Rem...</th></tr></thead><tbody><tr><td>+</td><td>Sale Price</td><td>Transf...</td><td>Sale...</td></tr><tr><td>+</td><td>No of Bedrooms</td><td>Transf...</td><td>No of ...</td></tr><tr><td>+</td><td>No of Bathrooms</td><td>Transf...</td><td>No of ...</td></tr><tr><td>+</td><td>Flat Area (in Sqft)</td><td>Transf...</td><td>Flat Ar...</td></tr><tr><td>+</td><td>Lot Area (in Sqft)</td><td>Transf...</td><td>Lot Ar...</td></tr><tr><td>+</td><td>No of Floors</td><td>Transf...</td><td>No of ...</td></tr><tr><td>+</td><td>No of Times Visited</td><td>Transf...</td><td>No of ...</td></tr><tr><td>+</td><td>Overall Grade</td><td>Transf...</td><td>Overall...</td></tr><tr><td>+</td><td>Area of the House from Basement</td><td>Transf...</td><td>Area o...</td></tr><tr><td>+</td><td>Basement Area (in Sqft)</td><td>Transf...</td><td>Base...</td></tr><tr><td>+</td><td>Age of House (in Years)</td><td>Transf...</td><td>Age of...</td></tr></tbody></table><table><thead><tr><th>Transformed_Housing_Data2 on Sale Price</th><th>Transformed_Housing_Data2 on No of Bedrooms</th><th>Transformed_Housing_Data2 on No of Bathrooms</th><th>Transformed_Housing_Data2 on Flat Area (in Sqft)</th><th>Transformed_Housing_Data2 on Lot Area (in Sqft)</th></tr></thead><tbody><tr><td>221900.00</td><td>3</td><td>1.00000</td><td>1.180.00</td><td>5</td></tr><tr><td>538000.00</td><td>3</td><td>2.25000</td><td>2.570.00</td><td>7</td></tr><tr><td>180000.00</td><td>2</td><td>1.00000</td><td>770.00</td><td>10</td></tr><tr><td>604000.00</td><td>4</td><td>3.00000</td><td>1.960.00</td><td>5</td></tr><tr><td>510000.00</td><td>3</td><td>2.00000</td><td>1.680.00</td><td>8</td></tr><tr><td>1129575.00</td><td>4</td><td>4.50000</td><td>5.420.00</td><td>101</td></tr><tr><td>257500.00</td><td>3</td><td>2.25000</td><td>1.715.00</td><td>6</td></tr><tr><td>291850.00</td><td>3</td><td>1.50000</td><td>1.060.00</td><td>1</td></tr><tr><td>229500.00</td><td>3</td><td>1.00000</td><td>1.780.00</td><td>7</td></tr><tr><td>323000.00</td><td>3</td><td>2.50000</td><td>1.890.00</td><td>6</td></tr><tr><td>662500.00</td><td>3</td><td>2.50000</td><td>3.560.00</td><td>9</td></tr><tr><td>468000.00</td><td>2</td><td>1.00000</td><td>1.160.00</td><td>6</td></tr><tr><td>310000.00</td><td>3</td><td>1.00000</td><td>1.430.00</td><td>18</td></tr><tr><td>400000.00</td><td>3</td><td>1.75000</td><td>1.370.00</td><td>9</td></tr><tr><td>530000.00</td><td>5</td><td>2.00000</td><td>1.810.00</td><td>4</td></tr></tbody></table></div></div>	Type	Field Name	Phys...	Rem...	+	Sale Price	Transf...	Sale...	+	No of Bedrooms	Transf...	No of ...	+	No of Bathrooms	Transf...	No of ...	+	Flat Area (in Sqft)	Transf...	Flat Ar...	+	Lot Area (in Sqft)	Transf...	Lot Ar...	+	No of Floors	Transf...	No of ...	+	No of Times Visited	Transf...	No of ...	+	Overall Grade	Transf...	Overall...	+	Area of the House from Basement	Transf...	Area o...	+	Basement Area (in Sqft)	Transf...	Base...	+	Age of House (in Years)	Transf...	Age of...	Transformed_Housing_Data2 on Sale Price	Transformed_Housing_Data2 on No of Bedrooms	Transformed_Housing_Data2 on No of Bathrooms	Transformed_Housing_Data2 on Flat Area (in Sqft)	Transformed_Housing_Data2 on Lot Area (in Sqft)	221900.00	3	1.00000	1.180.00	5	538000.00	3	2.25000	2.570.00	7	180000.00	2	1.00000	770.00	10	604000.00	4	3.00000	1.960.00	5	510000.00	3	2.00000	1.680.00	8	1129575.00	4	4.50000	5.420.00	101	257500.00	3	2.25000	1.715.00	6	291850.00	3	1.50000	1.060.00	1	229500.00	3	1.00000	1.780.00	7	323000.00	3	2.50000	1.890.00	6	662500.00	3	2.50000	3.560.00	9	468000.00	2	1.00000	1.160.00	6	310000.00	3	1.00000	1.430.00	18	400000.00	3	1.75000	1.370.00	9	530000.00	5	2.00000	1.810.00	4
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3	Utilization of Filters	Interactive filters were applied to enhance dashboard usability and analysis. Filters such as Sale Price, House Age, and Renovation Status were used to allow users to dynamically explore housing data and view filtered visualizations. The filters responded efficiently without performance issues.																																																																																																																																
4	Calculation Fields Used	Tableau calculation features were used to generate aggregated metrics such as COUNT(Number of Records), AVG(Sale Price), and SUM(Basement Area). These calculated values were used in KPI indicators and charts to provide meaningful insights.																																																																																																																																
5	Dashboard Design	No of Visualizations / Graphs: 6																																																																																																																																
Visualizations included:		<div><div>Tableau Public - Project</div><div>FileDataWorksheetDashboardStoryAnalysisMapFormatServerWindowHelp</div><div>Tableau Desktop Public Edition</div><div>Buy Tableau</div><div>Show Me</div><div>DashboardLayout</div><div>Device PreviewDevice type: Default</div><div><div>Comprehensive House Data Analysis</div><div><div>Area of the House from Basement (in Sqft)</div><div>3,96,43,798</div></div><div><div>Count of Sale Price</div><div>21,609</div></div><div><div>Avg. Sale Price</div><div>\$1,11,618.56</div></div><div><div>Total Sales By Year Since Renovation</div><div></div></div><div><div>Distribution of House Age by Renovation Status</div><div></div></div><div><div>House Age distribution by No of Bathrooms, Bedrooms and Floors</div><div></div></div></div></div>																																																																																																																																
<div><div>• Total Houses (KPI)</div><div>• Average Sale Price (KPI)</div><div>• Total Basement Area (KPI)</div><div>• Sales by Years Since Renovation (Bar Chart)</div><div>• House Age Distribution by Renovation Status (Pie Chart)</div><div>• Feature Distribution by Bedrooms, Bathrooms, and Floors (Bar Chart)</div></div> <div>The dashboard was designed with proper layout, labels, and interactive elements.</div>																																																																																																																																		

6	Story Design	No of Visualizations / Graphs: 4																								
<p>Story included the following scenes:</p> <ul style="list-style-type: none">• Dataset Overview• Renovation Impact Analysis• House Age Distribution Analysis• Feature-Based Analysis <p>The story was structured logically to explain housing market insights step-by-step.</p>		 <p>The screenshot shows a Tableau Desktop Public Edition interface. The main view is a bar chart titled "House Age distribution by No of Bathrooms, Bedrooms and Floors". The chart is a grouped bar chart with three measures on the y-axis: "No of Bathrooms" (blue), "No of Bedrooms" (green), and "No of Floors" (red). The x-axis represents "Age of House (in Years)" with categories 50, 51, 59, 64, and 71. The y-axis is labeled "Value" and ranges from 0 to 1400. The chart shows that the number of bedrooms is generally the highest across all age groups, followed by bathrooms, and then floors. The number of floors is consistently the lowest across all age groups. The chart is part of a story, as indicated by the "Story" tab and the "New story point" button. The story includes several scenes, as indicated by the "Scene" tab and the "Scene 1" through "Scene 4" buttons. The story is titled "House Age distribution by No of Bathrooms, Bedrooms and Floors". The story is structured to explain housing market insights step-by-step.</p> <table><tr><th>Age of House (in Years)</th><th>No of Bathrooms</th><th>No of Bedrooms</th><th>No of Floors</th></tr><tr><td>50</td><td>724</td><td>1,344</td><td>401</td></tr><tr><td>51</td><td>677</td><td>1,236</td><td>381</td></tr><tr><td>59</td><td>572</td><td>1,174</td><td>352</td></tr><tr><td>64</td><td>495</td><td>962</td><td>325</td></tr><tr><td>71</td><td>386</td><td>777</td><td>295</td></tr></table>	Age of House (in Years)	No of Bathrooms	No of Bedrooms	No of Floors	50	724	1,344	401	51	677	1,236	381	59	572	1,174	352	64	495	962	325	71	386	777	295
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