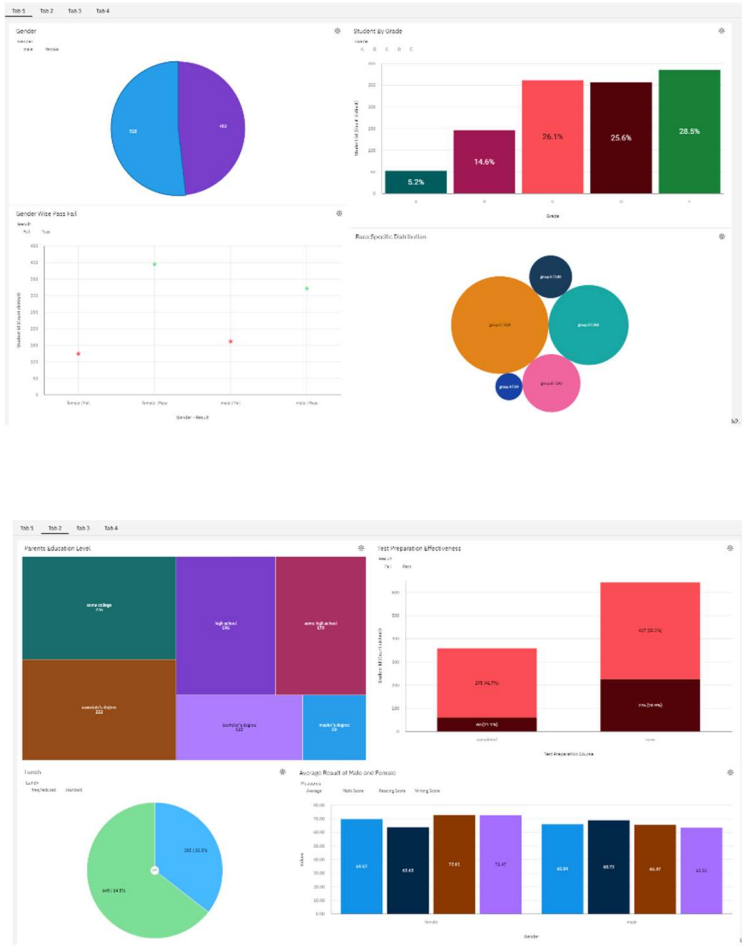


Project Development Phase Model Performance Test

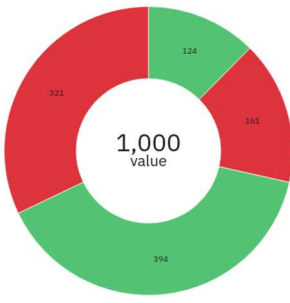
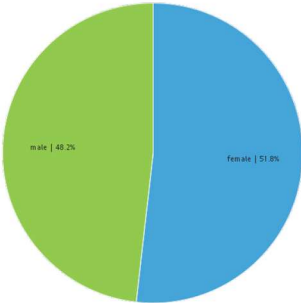
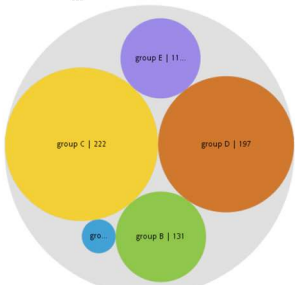
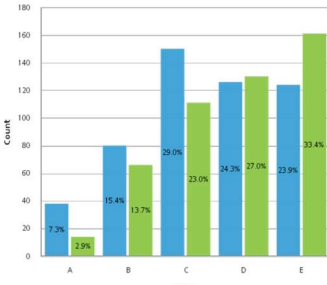
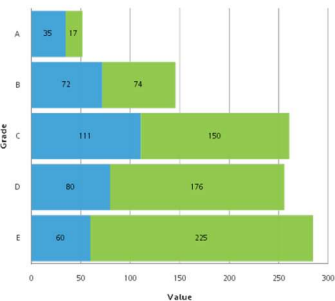

Date	21 Oct 2023
Team ID	NM2023TMID05094
Project Name	Unleashing the Potential of Our Youth: A Student Performance Analysis
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Screenshot / Values
1.	Dashboard design	<p>No of Visualizations / Graphs -</p>  <p>The screenshot displays a dashboard with multiple visualizations. The top section includes a 'Gender' pie chart, a 'Students by Grade' bar chart, and a 'Gender Wise Pass Fail' scatter plot. The bottom section features a 'Parents Education Level' treemap, a 'Test Preparation Effectiveness' bar chart, and an 'Average Result of Male and Female' bar chart. A 'Basic Specific Distribution' bubble chart is also visible in the middle right.</p>

		<div><div><div><div><div>Tab 1Tab 2Tab 3Tab 4</div><div><div>Top Students</div><table><tr><th>rank</th><th>id</th><th>name</th><th>score</th></tr><tr><td>1</td><td>1001</td><td>John Doe</td><td>98.5</td></tr><tr><td>2</td><td>1002</td><td>Jane Smith</td><td>97.8</td></tr><tr><td>3</td><td>1003</td><td>Mike Johnson</td><td>96.2</td></tr><tr><td>4</td><td>1004</td><td>Sarah Brown</td><td>95.1</td></tr><tr><td>5</td><td>1005</td><td>David Wilson</td><td>94.3</td></tr><tr><td>6</td><td>1006</td><td>Emily Davis</td><td>93.7</td></tr><tr><td>7</td><td>1007</td><td>Chris Miller</td><td>92.9</td></tr><tr><td>8</td><td>1008</td><td>Alexander Lee</td><td>91.5</td></tr><tr><td>9</td><td>1009</td><td>Olivia White</td><td>90.8</td></tr><tr><td>10</td><td>1010</td><td>Benjamin Black</td><td>89.4</td></tr></table></div><div><div>Parent Education</div><table><tr><th>parent_id</th><th>education</th><th>score</th></tr><tr><td>1</td><td>High School</td><td>75</td></tr><tr><td>2</td><td>College</td><td>85</td></tr><tr><td>3</td><td>Master's</td><td>90</td></tr><tr><td>4</td><td>PhD</td><td>95</td></tr><tr><td>5</td><td>Postgraduate</td><td>100</td></tr></table></div><div><div>Impact of Parent Education</div><table><tr><th>parent_id</th><th>education</th><th>score</th></tr><tr><td>1</td><td>High School</td><td>75</td></tr><tr><td>2</td><td>College</td><td>85</td></tr><tr><td>3</td><td>Master's</td><td>90</td></tr><tr><td>4</td><td>PhD</td><td>95</td></tr><tr><td>5</td><td>Postgraduate</td><td>100</td></tr></table></div></div></div><div><div>Tab 1Tab 2Tab 3Tab 4</div><div><div>Student Result based on Lunch Choice</div><table><tr><th>lunch</th><th>result</th><th>count</th></tr><tr><td>free/reduced</td><td>Fail</td><td>155</td></tr><tr><td>free/reduced</td><td>Pass</td><td>200</td></tr><tr><td>standard</td><td>Fail</td><td>130</td></tr><tr><td>standard</td><td>Pass</td><td>515</td></tr></table></div></div></div></div>	rank	id	name	score	1	1001	John Doe	98.5	2	1002	Jane Smith	97.8	3	1003	Mike Johnson	96.2	4	1004	Sarah Brown	95.1	5	1005	David Wilson	94.3	6	1006	Emily Davis	93.7	7	1007	Chris Miller	92.9	8	1008	Alexander Lee	91.5	9	1009	Olivia White	90.8	10	1010	Benjamin Black	89.4	parent_id	education	score	1	High School	75	2	College	85	3	Master's	90	4	PhD	95	5	Postgraduate	100	parent_id	education	score	1	High School	75	2	College	85	3	Master's	90	4	PhD	95	5	Postgraduate	100	lunch	result	count	free/reduced	Fail	155	free/reduced	Pass	200	standard	Fail	130	standard	Pass	515
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2.	Data Responsiveness	The data is responsive, meaning that it can be updated and displayed in real time.																																																																																															
3.	Amount Data to Rendered (DB2 Metrics)	The amount of data rendered is measured using DB2 metrics, and it is confirmed that the data is rendered from DB2 using IBM Cloud.																																																																																															
4.	Utilization of Data Filters	Data filters were used in the data, which means that users can filter the data to view specific subsets of interest.																																																																																															

5.	Effective User Story	The effective user story is "No of Scenes Added - 10", which means that users can track the number of scenes that have been added to the project.
6.	Descriptive Reports	<div>No of Visualizations / Graphs</div> <div><div><div><div>Gender Distribution</div><div>Gender - Result</div></div><div><div>female male</div><div>female Fail male Fail female Pass male Pass</div></div></div><div></div></div> <div><div><div>Students By Grades</div><div>Race Wise Result</div></div><div><div>Gender</div><div>Race Ethnicity</div></div><div><div>female male</div><div>group A group B group C group D group E</div></div><div><div>Value</div><div>49 222</div></div><div></div><div>Visualization rendering is not supported for this output type.</div></div> <div><div><div>Impact of Parents Education</div><div>Effect of Test Preparation</div></div><div><div>Text Preparation Course</div><div>completed none</div></div><div></div></div>

