Project Development Phase Model Performance Test

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| Date | 10 November 2022 |
| Team ID | NM2023TMID08418 |
| Project Name | Analytics Tool For Placements |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Screenshot / Values** |
| 1. | Dashboard design | The dashboard for an analytics tool for placements should include:   1. Student Placement Metrics: A summary of key statistics, such as placement rates, average salaries, and industry trends. 2. Job Postings and Applications: Real-time data on job postings and student applications, highlighting active opportunities. 3. Candidate Profiles: A search feature to access detailed student profiles, with filters for skills, location, and job preferences. |
| 2. | Data Responsiveness | Data responsiveness in an analytics tool for placements is critical. It involves ensuring that data retrieval and updates are swift, real-time, or near real-time, enabling users to access the most current information. This responsiveness enhances the tool's effectiveness, providing students, recruiters, and educational institutions with timely insights, job updates, and application progress, ultimately improving decision-making and the overall user experience.  Top of Form |
| 3. | Amount Data to Rendered (DB2 Metrics) | In an analytics tool for placements, the amount of data to be rendered, particularly in a DB2 database, should be efficiently managed. Key metrics to consider include:   1. **Data Volume**: Analyze the total data size, which includes student profiles, job listings, and placement history, to ensure the database can handle the required volume without performance degradation. 2. **Query Optimization**: Implement indexing and query optimization techniques to expedite data retrieval and rendering, enabling fast and efficient access to the necessary information. 3. **Scalability:** Plan for the tool's growth and ensure the DB2 database can scale seamlessly to accommodate increasing data demands while maintaining responsiveness. 4. **Data Archiving**: Consider data archiving strategies to manage historical placement records, balancing the need for historical analysis with the performance requirements of the system. |
| 4. | Utilization of Data Filters | Data filters in an analytics tool for placements play a pivotal role in enabling users to refine and focus on specific information. They enhance the tool's usability by:   1. Allowing users to narrow down job searches, student profiles, or historical data, making it easier to find relevant insights. 2. Facilitating dynamic data exploration, enabling users to view trends, patterns, and comparisons by adjusting filter criteria. 3. Enhancing decision-making by providing a customized view of the data, ensuring users can access the information most pertinent to their needs, improving overall user satisfaction and efficiency. |
| 5. | Effective User Story | As a university career services manager, I want to use the analytics tool to identify trends in student placement data, so I can better allocate resources and provide targeted support for students, ultimately improving our placement success rates and student satisfaction." |
| 6. | Descriptive Reports | Descriptive reports in an analytics tool for placements should provide comprehensive insights, including:   1. Student Placement Summary: An overview of student placement statistics, including placement rates, average salaries, and top hiring companies. 2. Job Trends: Analysis of job postings by industry, location, and job type, showcasing demand and market trends. 3. Candidate Profiles: Detailed profiles of students, showcasing their skills, qualifications, and application history. 4. Application Status: A summary of each student's application progress, from submission to interview and offer stages. 5. Recruiter Engagement: Insights into recruiter behavior, including job posting activity, response rates, and offer acceptance rates. |