

Project Development Phase Performance Test

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| Date | 20 May 2023 |
| Team ID | NM2023TMID15450 |
| Project Name | Identifying Perinatal Health Risks using Machine Learning Technique |

Performance Testing:

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

| S.No | Parameter | Values | Screenshot |
|------|-----------------|--|---|
| 1. | Form Validation | Login form, registration form and all other forms validation | sForm validation is a process of ensuring that the information entered into a form is accurate and complete. This is important for identifying perinatal health risks using machine learning techniques because it ensures that the data used to train the algorithm is accurate and reliable. |
| 2. | Project Flow | Redirections | Machine learning is a promising technology for identifying perinatal health risks. However, there are a number of challenges that need to be addressed before machine learning can be widely used for this purpose. These challenges include data availability, data quality, algorithm complexity, and algorithm bias. Despite these challenges, machine learning has the potential to improve the |

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| | | | identification and care of women who are at risk of perinatal health problems. |
| 3. | API Testing/Validation | Testing API | In API testing and validation, it is also important to monitor the performance of the model over time. This can be done by tracking the accuracy of the model's predictions and by identifying any patterns in the data that may be affecting the model's performance. By monitoring the performance of the model, it is possible to identify any problems early on and to take steps to improve the model's performance. |
| 4. | Database Schema Validation | Validating inputs as per schema | here are some of the key considerations for database schema validation of identifying perinatal health risks using machine learning technique Data quality, Data consistency, Data integrity, Data security, Data accessibility. |
| 5. | Application performance testing using online tool (GTmetrix) | | GTmetrix is used to test the performance of an application that identifies perinatal health risks using machine learning technique. This will help you to identify areas where the application can be improved and to ensure that the application is providing a good user experience. |

