**Project Development Phase**

**Performance Test**

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| Date | 22 May 2023 |
| Team ID | NM2023TMID11307 |
| Project Name | Estimation and Prediction of Hospitalization and Medical Care Costs |

**Model Performance Testing:**

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| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Dashboard design | There are 4 graphs in the dash board design |
|  | Data Responsiveness | **Data Collection:** Ensure that relevant and comprehensive data is collected from various sources, such as hospital records, health insurance claims, patient demographics, and medical procedures. The data should cover a sufficiently long period to capture a representative sample of cases.  **Data Quality:** Ensure the data is accurate, reliable, and complete. Implement data validation and cleansing processes to identify and correct errors, inconsistencies, and missing values. Poor data quality can significantly impact the accuracy and responsiveness of the predictions.  **Real-Time Data Integration:** If the project aims to provide real-time estimations and predictions, establish mechanisms to integrate and process data in near real |
| 3. | Utilization of Data Filters | In the estimation and prediction of hospitalization and medical care costs, the utilization of data filters plays a crucial role in refining and analyzing the data to derive meaningful insights. Here's how data filters can be utilized in this data analytics project:  Cost Categories: Data filters can be used to categorize the different cost components involved in hospitalization and medical care. By applying filters based on cost categories such as physician fees, diagnostic tests, medications, and hospital charges, the data can be segmented and analyzed separately. This enables a more granular understanding of cost distribution and helps identify areas of high expenditure.  Time Periods: Data filters can be applied to specific time periods, allowing the analysis of cost trends over time. By selecting filters for different months, quarters, or years, patterns and fluctuations in hospitalization and medical care costs can be identified. This information can be valuable for predicting future cost trends and planning budget allocations. |
| 4. | Effective User Story |  |
| 5. | Descriptive Reports | There are 4 graphs in the dash board design |