Performance & Final Submission phase
Application Performance Metrics

Date	24 Nov 2023
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Project Name	Food Tracking System

To effectively measure the performance of a Food Tracking System, consider the following key performance metrics:

1. Response Time: Measure the time it takes for the system to respond to user inputs or requests. This includes the time taken for data retrieval, processing, and displaying results.

2. Throughput: Evaluate the system's ability to handle a certain number of transactions or requests per unit of time. This metric helps determine the system's capacity.

3. Scalability: Assess how well the system can handle an increasing amount of data or user load. Monitor performance under varied workloads to ensure scalability.

4. Error Rate: Keep track of the number of errors occurring during system operations. This includes data entry errors, processing errors, and system failures.

5. Availability/Uptime: Measure the percentage of time the system is available for use. High availability is crucial for users relying on the system for real-time tracking**.**

6. Resource Utilization: Monitor CPU, memory, and storage usage to ensure efficient resource utilization. Identify potential bottlenecks and optimize resource allocation.

7. Data Accuracy: Verify the accuracy of the tracked food data. Inaccurate information can lead to incorrect insights and impact the system's reliability.

8. User Satisfaction: Gather feedback from users regarding the system's usability, ease of navigation, and overall satisfaction. User satisfaction is a critical indicator of system performance.

9. Latency: Evaluate the delay between a user action and the corresponding system response. Low latency is especially important in real-time tracking scenarios.

10. Security Metrics: Assess the system's adherence to security standards. Monitor for unauthorized access, data breaches, and other security incidents.

Regularly analyze and compare these metrics to established benchmarks to identify areas for improvement and ensure the Food Tracking System meets user expectations.