

Changes after Feedback

In response to the feedback received, I have implemented several enhancements to improve the quality and clarity of the assignment:

Lamport Clock Integration:

The Lamport clock algorithm has been successfully integrated into the system, fulfilling the project requirements. This integration ensures proper synchronization of events within distributed systems, maintaining their causal relationships.

Testing Implementation:

I have conducted extensive testing, covering various aspects:

- **Unit Tests:** Each individual component has been rigorously tested to ensure it functions correctly on its own.
- **Integration Tests:** Multiple components were tested in tandem to confirm their interaction and collective functionality.

Design and Documentation:

A design sketch has been created and uploaded, visually representing the architecture and workflow of the distributed system. This sketch provides a clearer understanding of the interactions among system components.

Additionally, the README file has been revised to include information on setting up the environment, detailing any dependencies and configuration steps.

Code Documentation:

I have added comprehensive comments throughout the code, particularly in critical sections, to clarify the reasoning behind the implementation. This will facilitate a better understanding of the code's functionality and purpose for future users.

Commands to run Code:

Provided necessary commands and instructions required to run the code in Readme file.