



School of Computer and Information Science
CSI3344 Distributed Systems

Seminar 7: CONSISTENCY

Review Questions

1. What is the purpose of data replication?
2. What are the two major processes on data?
3. Explain why a write operation must leave a value to the data item after its operation finishes.
4. Explain why a read operation is not required to leave a value to the data item it viewed.
5. What is actually a consistency model?
6. In the Necessary Condition of the strict consistency, which statement implies the need of a global physical clock for this model?
7. Describe the necessary conditions for sequential, causal, and FIFO consistency models, respectively.
8. In the second and third examples for causal consistency, what actually differentiates them from each other?