

Instructions

For the main questions, be ready to:

- Describe the architecture of your solution and its operations.
- Define all its components and their interactions.
- Motivate your design decisions.
- Make diagrams whenever necessary.
- State clearly your choices and assumptions

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Question 1.

You are responsible for a messaging system. It is your responsibility that a message sent by a user is eventually delivered to all users currently present in the messaging room. Assume a *total* or *atomic* ordering of the messages, i.e., all users should see the same set of messages in the same order. Discuss a *fault-tolerant* centralized or decentralized architecture.

Question 2.

Does the FLP impossibility result state that it is impossible to *achieve* consensus? If so, why? If not, what behaviour can happen in practice and why?

Nice read: <https://www.the-paper-trail.org/post/2009-02-03-consensus-protocols-paxos/>