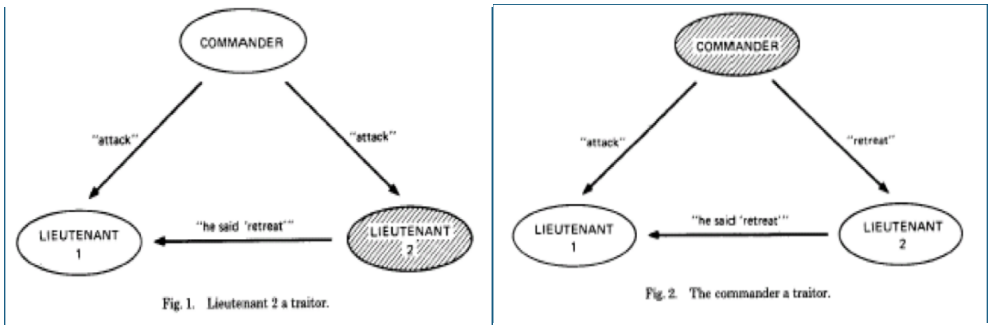
273 Research Paper

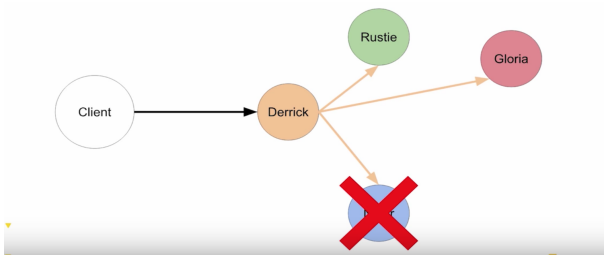
Research paper Presentation

1. **Shivani Parate**
    - Byzantine Generals Problem
    - Byzantine Fault tolerance
    - Introduction to PBFT

2. **Aditya Bhole**
    - 

    - Explanation of proof : 3f +1 minimum number of replicas to be present in the system
    - Safety and Liveness properties

3. **Rikitha Manjunath**
    - Algorithm description covering state machine replication and views
    - Working of algorithm
    - Details abt Client side



4. **Rajat Dineshchandra Chaurasia**
    - Normal case operation
    - 3 phase protocol : PrePrepare , Prepare, Commit

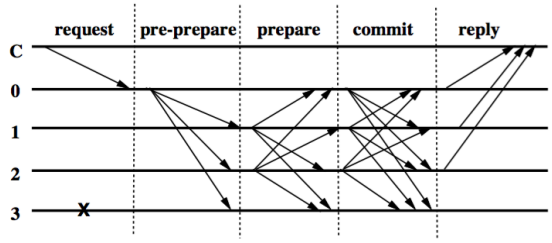


Figure 1: Normal Case Operation

5. **Shraddha Kabade**
    - Applications of PBFT
    - Demo of the working code
    - Github Link : https://github.com/bigpicturelabs/consensusPBFT

Executing the code:

- Start 4 servers (Apple, IBM, MS, Google)
- Command to start the server: ***go run main.go 'Apple'***
- Make post call using : ***curl –H "Content-Type: application/json" -X POST -d '{"clientID":"ssk5","operation":"GetMyName","timestamp":1540694624}'http://localhost:1111/req***

Working screenshot: