

Trung “Jason” Nguyen - ttn190009

Tri Ngo - tdn190002

### **Work**

- Both coding using Live Share in VS Code to collaborate in real time
- Tri:
  - Report and Correctness Document
  - Doing the Server
  - Set up connection Server-Server
  - Handle Read request
    - Pick random server
    - Check if it's available, if not retry next server
    - If object not there, throw error
  - Partition logic
    - Allow permitted updates
  - Write test cases
- Jason:
  - Design Document
  - Doing Client
  - Hash Function
  - Set up connection Server-Client
  - Handle Write request
    - Check liveness
    - Update and forward request to other replicas
    - Concurrent write handled by Java ServerSocket TCP connection
  - Merge logic
    - Synchronization function
  - Check tests cases