

CIS 505 Project 3 Milestone1

Schedule

1. Protocol Design – by April 3

Design the message types and formats, data structures, and protocol details.

2. Basic Group Chat – by April 12

Implement the basic functionality of a group chat, including starting a new chat, joining a chat, sending message to leader, and assigning sequence numbers and multicasting by leader.

3. Error Detection & Leader Election – by April 17

Detect network errors, such as crash of the leader, and implement a leader election method.

5. Extra Credit – by April 23

Initially plan to achieve a basic form of encryption-decryption, and enhanced criteria of election. If everything goes well and there is still enough time, we are interested in Message Priority and Decentralized Total Ordering part.