CIS 505: Project 3

Team: Distributed Sisterz

Schedule

Tasks to be assigned	Member
1. Transport Layer: Reliable Message Protocol (RMP)	Doron
2. Start a new chat (initialize all parts of data structure)	JJ
3. Joining an existing chat	Matt
4. Message sequencing/multicast	JJ
5. Leader election	Matt
6. Leave a chat (destroy all parts of data structure)	JJ

Timeline:

- **By 4/2:**
  - RMP interface complete and basic message sending (without Acks or error handling) [Task 1]
  - Client CLI [Task 2, Task 4, Task 6]
  - Joining a chat [Task 3]

- **Milestone 2 (4/11):** Implement everything assuming that the leader does not change
  - Delete non-leaders from a chat [Task 2, Task 3, Task 6]
  - Send/Receive messages among members [Task 4]
  - RMP: Implement Acks [Task 1]

- **By 4/16:**
  - RMP: Implement error handling
  - Leader election implemented [Task 5]
  - Integrate leader election into existing event loop [Task 5]

- **Milestone 3 (4/27):**
  - RMP: Fully tested