CS 4459: PROJECT

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1   Project Ideas

- You can build upon assignment 2 by adding an election algorithm based on RAFT for a primary-backup system. The winner of the election becomes the primary. The client and the backups are notified of the new primary.

- Develop software that does data placement using consistent hashing. You could replicate data.

- Implement MapReduce (this might be of interest to CS 4417 students)

- Develop an interesting distributed application e.g., A multi-player real-time game; Multi person chat system

- Build a video streaming service based on content distribution network (CDN) technology

- DNS

- etc

2   Deliverables

- The **report** is a description of the problem that you focussed on, what you have built to solve the problem, why you built your system the way you did (design), challenges.

- Your group must provide a video that should be no more than 10 minutes long. The video should present the features of your software, the design, challenges you faced and the testing you did.

3   Submission

- Your video with your presentation must be on uploaded to YouTube. The link should be submitted as part of the OWL submission.

- The report should be submitted as a pdf to OWL.