

Project Schedule

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1 Week 0 (10/7~10/11)

First Meeting

Summarized my first thoughts.

2 Week 1 (10/14~10/18)

Research on related works

List up related works and find undiscovered areas to establish the purpose of our project.

3 Week 2 (10/21~10/25)

Build a model

Define a model of transaction systems. The model would include definitions of transactions, nodes, networks, etc.

4 Week 3 (10/28~11/1)

Give algorithms

Give algorithms upon the model for payment transaction systems. The algorithms would show how transactions are recorded into the systems, how the systems are able to prevent double-spending problems, etc.

5 Week 4~7 (11/4~11/29)

Implement transaction systems

Implement transaction systems based on the model and the algorithms.

Implementation schedule

1. Design transaction systems & Select a language
2. Implement network model (Be able to make transactions, broadcast them and add them to transaction ledger)
3. Implement verification algorithm (Be able to abort incorrect transactions)
4. Adapt to changing topology (Be able to allow to exchange the set of nodes)

6 Week 8 (12/2~12/6)

Analyze with benchmarks

7 Week 9~10 (12/9~12/20)

Write a report and make a presentation on findings