Milestone 4 15-400, Spring 2018

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Major Changes

No major changes.

What You Have Accomplished So Far

- Have a variety of findings for the n = 2 (2 people) case. With the exception of one result, I don't think any of them are tight but they are also nontrivial.
- I do have an asymptotically tight upper and lower bound for the setting with flexible disruptions, the fairness goal is EF1, and n = 2.
- Looking into lower bounds for the other settings.

Meeting Your Milestone

I've met the milestone. My original milestones were pretty conservative so I'll just continue on with what I've been doing.

Surprises

None

Looking Ahead

The two areas where there seem to be a lot of interesting questions are for when the number of people is more than 2 and also for showing lower bounds for number of disruptions needed. Lower bounds is particularly difficult because allowing for disruptions gives lots of flexibility for the allocation algorithm so its unclear what the adversary should be doing.

Milestone Revisions

No need for milestone revisions. The original March 21st milestone roughly describes what I'll be working on anyway.

Resources Needed

No resources needed.