15-400 Milestone 6
https://j-b-z.github.io/

Jeremy Zhang (jbz)

April 2019

1　Milestone progress

This milestone goal was to work on constructing the similarity matrix for the author-paper conflict graph and then derive empirical results as a result of performing the strategyproof partition. Since last milestone, I have met up with Shah's PhD students to develop a pipeline for computing the similarity matrix and assignment matrix.

　　We have split up the work into three parts: computing the similarity scores for author and paper pairs, detect a strategyproof partition within the conflict graph, and finally provide LP constraints to find the optimal assignments. I was assigned to solving the LP. Since then, I have familiarized myself with Numpy and its LP solvers and I will meet up with the PhD students later this week to put together our parts and perform the empirical analysis.

2　Changes

For the next milestone goal, I expect to have some empirical data regarding the effects of performing the partition to strategy-proof the review graph.

3　Resources

Resources are being provided by Nihar Shah and I will not require any additional resources.