Project: Alternative Vote

APCS Final Project Week 3 Status Report .

Date: May 12, 2017

To: Mr. Fulk

From: Andrew Lin, Vinay Senthil, Jeffrey Tao

**Subject:** Status Report Week 3

**Accomplishments:** This week, we now have a working connection between our voting GUI and database. Vinay has worked out how to add and delete “tables” of ballots, and Andrew has made a simple voter GUI to submit votes (where votes are basically rankings of candidates). When we run a setup class, we can make a table that is stored in the database and submit votes to that table. The table stays until we manually delete it. Jeffrey has finished the alternative vote algorithm and we can now determine (text-based) the winner of an election.

**Problems/Risks**: We have had trouble syncing with Github, often leading to delays in code writing. Also, occasionally we need to retrieve information from certain classes that cannot be done without redesigning large sections of code (which is largely what we spent this week doing).

**Next Steps:** We will soon be working on retrieving ballots from the database and calculating the winner step-by-step on a new GUI screen, complete with statistics. If this goes smoothly, we may also look into some other alternative voting systems that are similar but not quite the same as eliminate-lowest top priority.