

**Summary of progress since 11/28 meeting:** We met to organize all of the features we want to have for our final product. We added two main features - cost splitting and email invitations. For cost splitting, we wrote an algorithm that takes as input how much each person has spent and outputs payments that need to be made to make each person's expenditures equal. Now when a person claims an item, they can enter the cost of that item. When the host marks the party as closed, the cost splitting algorithm is run. Additionally, a person can indicate how much of an item (i.e. quantity) they will provide. For email invitations we use a call to the nodemailer API to send an email to all emails on the invited list when a party is created. From that email the person can login or sign up for Potluck. We also added some styling to the login page, changed over all occurrences of username to email, and revised our design document.

**Achieved Milestones:**

- Cost splitting functionality
- Revised design doc
- Begin CSS
- Begin debugging
- Begin security measures
- Begin email notifications

**Missed milestones:**

- Finish cost splitting
- Finish email notifications

**Difficulties encountered**

- Ran into lots of bugs when changing over username to email that caused that process to take longer than expected
- Must decide how we want to use email to notify guests of a party, like if we should create an email queue and a cron
- Issues with closing out parties and not having them disappear if costs need to be settled
- Debugging passport.js

**Changes to problem analysis or design**

- Email notification triggered by host