CSCI 3308 – Final Submission - Part 9
Due 04/28/15

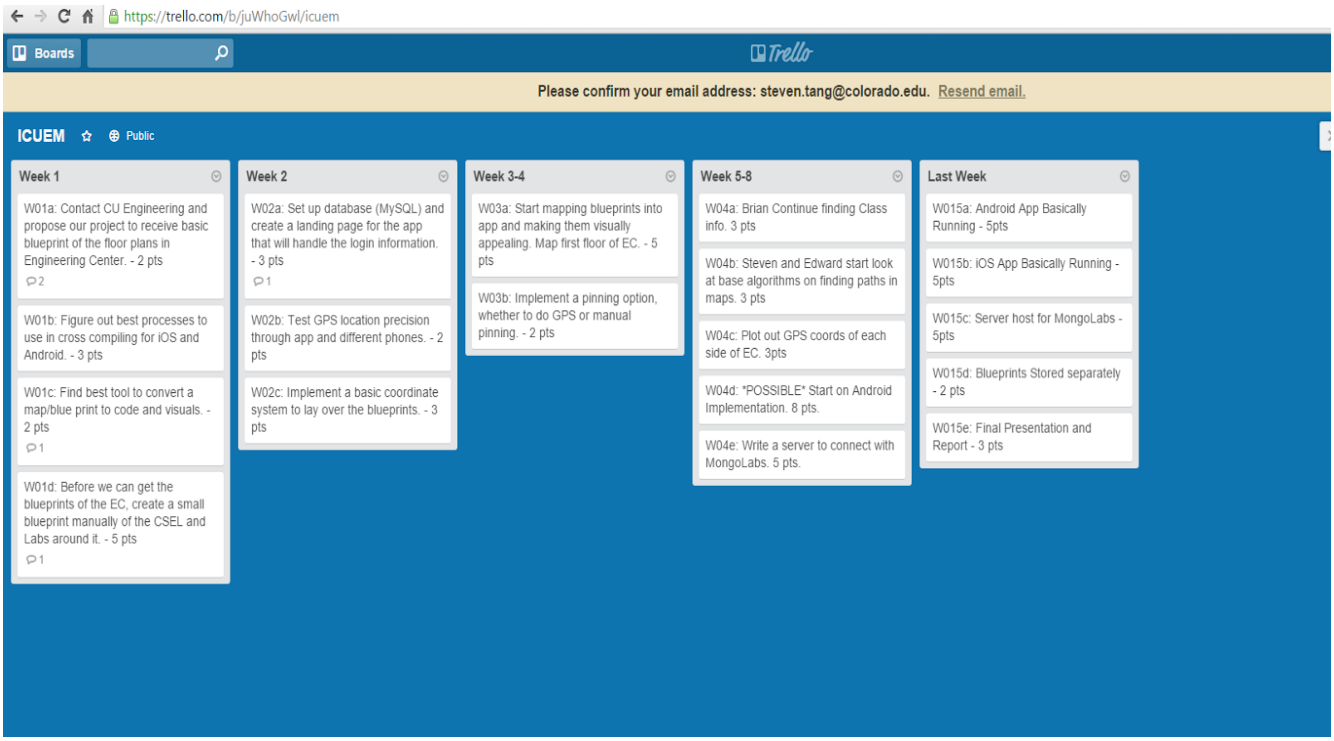
Title: ICUEM

Who: Steven Tang, Edward Zhu, Andrew Arnopoulos, Brian Gaydon

Methodologies Used: Agile to start but migrated to Iterfall through semester, and Peer Code Reviews on each other's implementations.

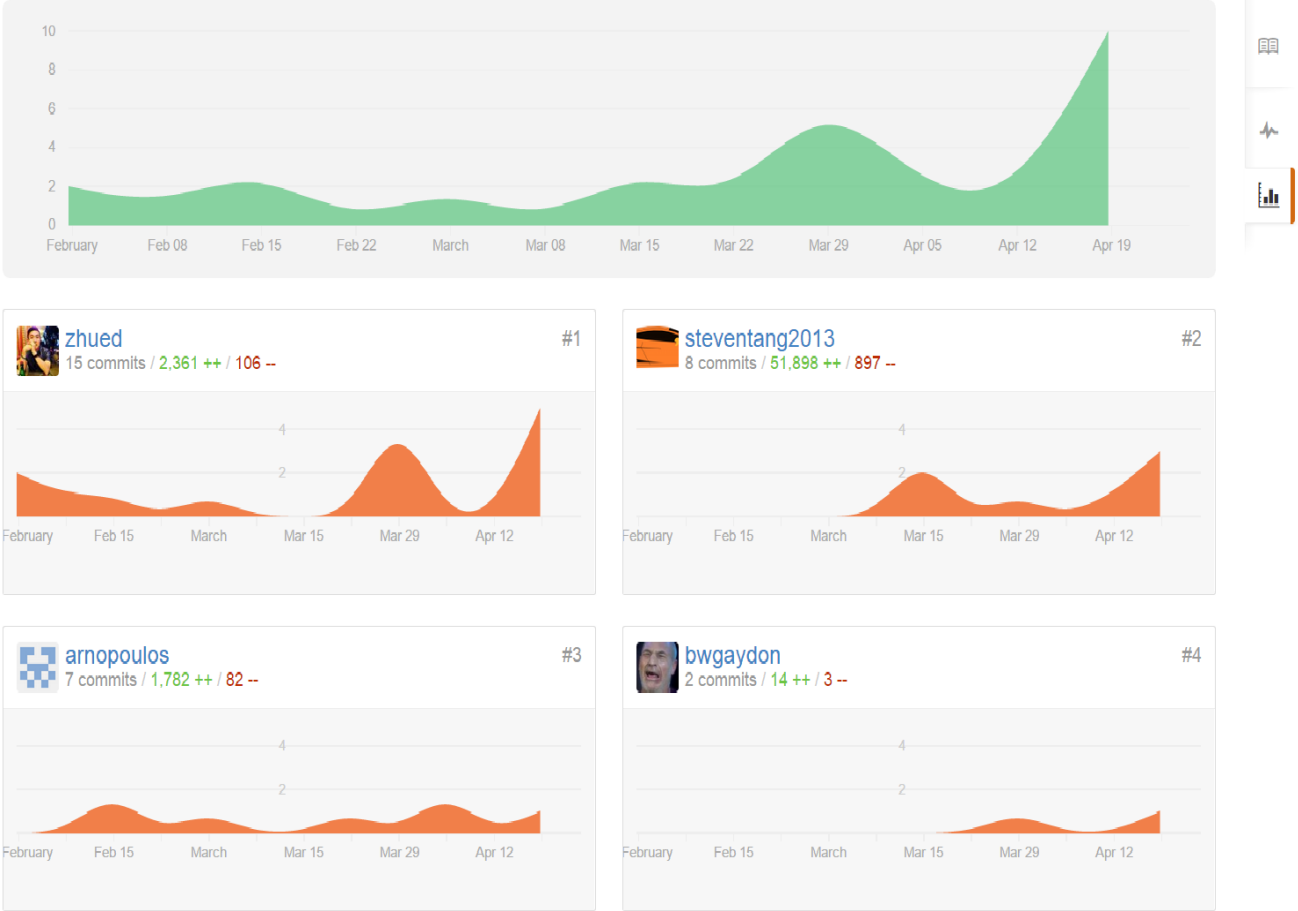
Project Tracker: Trello - https://trello.com/b/juWhoGwl/icuem (We didn't find this too useful throughout the semester)

Project Plan Screenshot:



VCS Repository: https://github.com/zhued/ICUEM

VCS Contribution Screenshot: https://github.com/zhued/ICUEM/graphs/contributors



Deployment: iOS App (Main Focus) & JavaScript local server for MongoDB connection & Android (Side Feature, not fully functional)

- MongoDB deployed on https://mongolab.com/ which is a remote MongoDB service.
    - Webview is password protected, but to connect to a read-only version of the remote DB, run this in the terminal:
    - `mongo ds039950.mongolab.com:39950/icuem -u readonly -p readonly`
    - Make sure the basic mongo drivers are installed on your machine.
- Javascript/Node local API server to push/pull with MongoLabs DB.
    - Download or Clone our repo at https://github.com/zhued/ICUEM

- Make sure to create a file called '.env' with a MongoLab API key and the MongoLab database connection. In this format:
  -


- Run: 'npm install' to install all necessary node modules
- Then run: 'npm start' to start up the local server
- Checkout our README for more information on what you can do with the local node API server: https://github.com/zhued/ICUEM/blob/master/README.md

- iOS app
  - Ideally deployment is on the App Store, but we can only compile locally for now.
  - Download XCode from Mac App store.
  - Clone or Download these Project files here: https://github.com/zhued/ICUEM/tree/master/iOS/ICUEM
  - On XCode:
    - Control-Click on empty space
    - Choose Add Files to "<Workspace_Name>"
    - Select the .xcodeproj file and click Add.
  - Then start up an emulator and the node DB connection server and watch the app work!
- If there are any questions or if you require us to demo our project functionalities, feel free to contact us and we are glad to show our project running.

Differences between project proposal and completed project:

- Didn’t implement GPS coordinate system or integrate Google Maps - instead, used static image files to show destination room
- App only covers ECCS and ECCR wings instead of whole Engineering Center
- Didn’t implement shortest path algorithm to find shortest path to room
- Focused on iOS app and neglected Android at the end of semester in the interest of time
- Did not fully implement a user schedules to the database or LogIn Page