
EE / CprE / SE 492 - Bi-weekly Report 6

SDMay18-41

Free Market P2P Energy Trading and Analytics

Client: Sodima Solutions

Adviser: Goce Trajcevski

Team Members/Role:

Arun Sondhi: Embedded Engineer/Hardware-Software Interface Lead

Alec Dorenkamp: Software Engineer (back end)

Noah eigenfeld: Software Engineer (front end)

Brendon Geils: Software Engineer/Technical Lead

Jack Myers: Hardware Engineer/Project Manager

Joe Staudacher: Hardware/Power Engineer

Weekly Summary

We made good progress on integrating the hardware and software work together. Tied up many loose ends for technical work. Second revision of the PCB came in and we are integrating now. From the software side the trading platform is almost finished.

Accomplishments in past two weeks:

Arun:

- Progress on iOS app.

Alec:

- secure posting to the DB using public-private key encryption

Noah:

- Enabled user creation system on production server.

Brendon:

- Worked on the trading platform and technical support to others.

Jack:

- Revised PCBs and sent out new parts order & order for new PCBs

Joe:

- Revised PCBs and sent out new parts order & order for new PCBs.

Pending Issues

- Integrate new PCB board
- Deploy iOS app
- Create demo for the system

Individual Contributions

Team Member	Contribution Summary	Bi-Weekly Hours	Total Hours (Semester)
Arun Sondhi	Created new Okta app Merging over existing logic to new app Will be working on documentation and Android version next week	15	88
Alec Dorenkamp	I started and finished work on secure posting to the DB using public-private key encryption, and started work on enabling data download.	16	105
Noah Eigenfeld	Worked on test users.	10	76
Brendon Geils	Designed and began implementation of trading platform.	5	100
Jack Myers	Revised PCBs and sent out new parts order & order for new PCBs PCBs came on Thursday, we plan to solder and test them this weekend Should be done with all of the technical hardware work by Sunday or monday Will integrate the boards with the pi and its software early next week	15	124
Joe Staudacher	Helped integrate PCB board and revision	10	80

Plan for coming weeks

Hardware team:

- Integrate with new PCB board and test

Software Team:

- Tie up loose ends on web app, trading platform, and iOS app.

Arun:

- Ensure app is done and passed off.

Alec:

- Download button functional.

Noah:

- Graph for the data working on web app.

Brendon:

- Finish trading platform.

Jack:

- Integrate new PCB board and test.

Joe:

- Integrate new PCB board and test.