EE/CprE/SE 491 WEEKLY REPORT 05

18 November 2019 - 22 November 2019

Group number: 12

Project title: Applying Blockchain to Energy Delivery Systems

Client: Grant Johnson

Advisor: Manimaran Govindarasu

Team Members:

Anthony Cosimo - *Test Engineer*

Jacob Dawson - *Project Manager*

Keegan Bloedel - *API Architect*

Katherine Ringgenberg - *UI Architect*

Steven Rein - *Blockchain Architect*

Dakota Moore - *Cybersecurity Manager*

- **Weekly Summary**
    - The objective of this week was to further continue to develop our project by completing issues to keep on schedule with our Gantt chart, as well as filming the news report video and putting it together.

- **Individual contributions**

Name	Individual Contributions (Quick list of contributions. This should be short.)	Hours this Week	Hours Cumulative
Anthony Cosimo	Worked on	8	40

	dockerizing the API. Worked on video editing for the News Report video.		
Jacob Dawson	Updated the API test suite for the registering users implementation. Reviewed merge requests. Worked on the Youtube new video.	10	60
Keegan Bloedel	Cleaned up the Logger to only display relevant information. Reviewed merge requests. Contributed to the youtube video	8	44
Katherine Ringgenberg	Continued to work on the React components made so far, initialized testing, worked on the youtube news video	8	42
Steven Rein	Completed the setup of blockchain network setup with 1 Org and 5 Nodes. Worked on and recorded the youtube news video.	8	43
Dakota Moore	Finished up working on the questions and answers for the YouTube interview and started to prototype different encryptions to possibly be used for any transfer of data outside the blockchain network	7	38

- **Plans for the Upcoming Week**

    - Anthony Cosimo will finish dockerizing the API, and move onto the next git issue.

    - Jacob Dawson will help out with CRUD connect with API endpoints, API login authentication, and review Merge Requests when needed.

    - Keegan Bloedel will work continue to assist with the API and getting it fully functional. He will also work on the design document along with reviewing merge requests when needed.

    - Katherine Ringgenberg will work on fixing local issues, connecting CRUD components of the UI to the API, and finalize the tests for the components made thus far.

    - Steven Rein will continue to work on the Blockchain network. Over Thanksgiving break, Steven plans to clean up the implementation of the network and attach the chaincode. He will also attempt to write tests around the integration between the chaincode and the blockchain network.

    - Dakota Moore has an EXTREMELY busy week ahead of him but will be working on developing our own blockchain network and smart contracts based on the example network we were able to deploy last week.

- **Summary of Weekly Advisor Meeting**

    - This weeks meeting was canceled due to both our client and faculty advisor being out of town. The team will be sending them weekly reports in lieu of the meeting.