
EE/CprE/SE 491 WEEKLY REPORT 04**11 November 2019 - 15 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 starting work on the news report video.

- **Individual contributions**

Name	Individual Contributions (Quick list of contributions. This should be short.)	Hours this Week	Hours Cumulative
Anthony Cosimo	Worked on	10	32

	dockerizing the API. Worked on sections for the lightning talk, and the design document review.		
Jacob Dawson	Paired with Keegan for registering admin user and enrolling regular user with the Blockchain from the API. Will update API test suite for this implementation and review Merge Requests.	12	50
Keegan Bloedel	Paired with Jacob to work on registering a new admin. Worked on the design doc. Worked on getting Winston logging tool into our project to make logging easier.	14	36
Katherine Ringgenberg	Broke down the one huge UI React component into many smaller ones (modular design), initialized testing	12	36
Steven Rein	Worked on refactoring a sample project to fit our design. 1 Org with 5 nodes.	14	35
Dakota Moore	Worked on creating the questions and answers for the upcoming youtube video assignment so that it's done before our break. I also started work on the	10	31

	<p>design review presentation as well as started researching if there's anything the team can do to make the project more secure.</p>		
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- **Plans for the Upcoming Week**

- Anthony Cosimo will finish dockerizing the API, and work on updating the design document based on the design document review.
- Jacob Dawson will update API test suite for user registration/enrollment and review Merge Requests when needed.
- Keegan Bloedel will work on cleaning up the winston logging and the message that is being returned. Help make progress in our design doc where it is needed. Help to make more progress in our API along with blockchain if help is needed.
- Katherine Ringgenberg will work on connecting CRUD components of the UI to the API and start testing those components.
- Steven Rein will continue to work on setting up a blockchain environment as our design document defines. Running into an issue were containers seem to stop right when they start running. Might be running out of memory, or just have a bug to fix.
- 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**

- Did not meet this week. Instead went to a seminar. At this seminar, they discussed energy delivery systems and blockchain, both of which are relevant to our project. Both our advisor and client attended this seminar.