EE/CprE/SE 491 WEEKLY REPORT 01

02 September 2019 – 27 September 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 - *Report Manager*

Keegan Bloedel - *Meeting Facilitator*

Katherine Ringgenberg - *Meeting Scribe*

Steven Rein - *Software Architect*

Dakota Moore - *Cybersecurity Manager*

- **Weekly Summary**
  - The overall objective of the week was to gather requirements and brainstorm on requirements for the project with the client, Grant Johnson. Some tasks that were completed are establishing a consistent communication network for the team, establishing an agreed-upon project tracking system, assigning roles to team members, completing a team charter, and gathered a fair amount of functional and non-functional requirements from Grant Johnson.

- **Individual contributions**

Name	Individual Contributions	Hours this Week	Hours Cumulative

	(Quick list of contributions. This should be short.)		
Anthony Cosimo	Worked on Lightning talk, and design document. Read through articles/tutorials of Hyperleder Fabric.	6	6
Jacob Dawson	Worked on lightning talk, design document, and worked through Hyperledger Fabric and Convector tutorials	9	9
Keegan Bloedel	Lightning talk, design document, worked through HyperLedger videos	6	**6**
Katherine Ringgenberg	Lightning talk, design document, working on trying to get tools running locally	6	6
Steven Rein	Worked on lightning talk, design document, and researched technologies we could use.	6	6
Dakota Moore	Worked on and narrated lightning talk on requirements and design document rough draft	6	6

- **Plans for the Upcoming Week**

- ○ Anthony Cosimo will work on continuing to learn about Hyperledger Fabric, and block chain. Continue to work on Design Document, and upcoming Lightning talk.
- ○ Jacob Dawson will work on finishing the rest of the design document to complete the first rough draft, experiment with a blockchain network interacting with an API (all local), and continue to validate and confirm submitted documents.
- ○ Keegan Bloedel will work on helping to finish the design document. Finish downloading and implementing HyperLedger Fabric and set it up locally. Research more of the steps to work off of going forward.
- ○ Katherine Ringgenberg will work on further research on composer/convector, getting through tutorials locally (local setup), and further improving design document.
- ○ Steven Rein will work on finishing the design document and completing the rough draft, researching technologies to use where the decision is open to the team.
- ○ Dakota Moore will work on finishing the design document and will research more into the security side of the project and what technologies and applications will be needed.
- **Summary of Weekly Advisor Meeting (If applicable/optional)**
  - ○ Meet with the client to review progress on the design document and discuss correctness of our implied requirements and understanding.