

sdmay18-41: Energy blockchain implementation for free market P2P energy trading

Week 3 Report

September 16 - September 22

Team MembersJoseph Staudacher — *Power sensing & hardware fabrication*Alec Dorenkamp — *Blockchain/smart contract development*Noah Eigenfeld — *Blockchain/smart contract developer*Brendon Geils — *Blockchain/API development*Jackson Myers — *Hardware design*Arun Sondhi — *Hardware/software interface***Summary of Progress this Report**

- Developed Project Plan
- Updated the team website with team information and progress reports
- Created a preliminary timeline for the project
- Discussed blockchain implementation strategy using Ethereum or Hyperledger

Pending Issues

- Submit Project Plan
- Complete client/student contract forms
- Determine whether we will build our blockchain implementation through Ethereum or Hyperledger

Plans for Upcoming Reporting Period

- Continuing research into blockchain options
- Flesh out technical tasks for our Gantt chart/timeline
- Create visual for functional and non-functional tasks

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Joseph Staudacher	Worked on the project plan, and researched required hardware resources	4	12
Alec Dorenkamp	Worked on the project plan, specifically the challenges section, as well as researching blockchain and other project specifics	4	12
Noah Eigenfeld	Researched blockchain implementation strategies and worked on the project plan	4	12
Brendon Geils	Worked on the project plan, researched existing blockchain design options	4	12
Jackson Myers	Worked on the project plan, created initial	4	12

	Gantt chart, and researched required hardware specs		
Arun Sondhi	Updated the website to include weekly reports, intro and team info, and worked on the project plan	4	12