sdmay18-19: DevOps for Javascript-based microservices
Week 8 Report
October 31 - November 7

Team Members

Erica Clark — *Data Analytics Lead, Website/Content Management*
Jack Meyer — *Communications; Software Architecture*
Nathan De Graaf — *Asana expert; Weekly Status Report*
Nischay Venkatram — *UI Lead; Node.js SME*
Nathan Karasch — *Project Management; Technical Writing*

Summary of Progress this Report

Our team continued to work to put the finishing touches on the demo version of the CLI. This included a couple more bug fixes and final steps to complete the automation of the project set up process. The front end continues to be built out, and is now ready to be connected with the back end functionality and other credential APIs.

Pending Issues

N/A

Plans for Upcoming Reporting Period

Our CLI is almost at version 1. It just needs some final improvements to its output and initial project setup. From this point we will focus more on the web application, with the goal of having users being able to be connected with a project and successfully interact with our application through the front end.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Erica Clark	Meeting (1 hr). Code review (.5 hr) Finished up the issue on deleting GitHub tokens cleanly (2 hr). Reviewed standards/articles for Node.js API (1 hr). Explored Validation libraries and settled on express-validator (had to work with express, be well-supported, be popular) Experimented with implementing it (3 hr). Reviewed the purpose for authorization tokens, searched for good auth libraries, and how to incorporate them into the project (4 hr)	11.5	67.5
Jack Meyer	Code Reviews (2 hr). Meetings. (1 hr). I was out of town most of last week and my limited contributions were ok'd by the team and the adviser/client. Missed time working will be	3	69

	made up next week.		
Nathan De Graaf	Meeting (1 hr). Continued UI work (8 hr). Moving previous UI work to new redux enabled project. Building components for sign in and registration. Now that our front end has multiple pages, we needed a menu system. I implemented a simple version with all needed functionality; this will be improved with routing in the future.	9	58
Nischay Venkatram	Meeting (1 hr) Worked on finishing up the cli. Updated the heroku prompt and added error handling for all the heroku api interaction (3.5hrs). Spent time researching different boilerplates for react/redux applications. Setup a simple react/redux application, with webpack and routing (6 hrs). Code reviews/slack (2 hrs)	12.5	80.25
Nathan Karasch	Experimented and prototyped various ORM software for creating yggdrasil's SQL database (2.5 hrs). Reviewed code (1 hr). Implemented sequelize ORM for Endor (2.5 hrs). Refactored sequelize for better usability and created users table (1.5 hrs).	7.5	79