

sdmay18-19: DevOps for Javascript-based microservices

Week 5 Report

October 8 - October 17

Team MembersErica 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**

Finished the basic version of the CLI app, named Tyr. This included finishing up work on GitHub authentication (including two factor authentication) and integrations with TravisCI. Added Mocha as our test framework, Winston as our logging service, and Heroku as an option for users to deploy their project to. We began work on our server API, named Endor, and our front end web page, named Yggdrasil.

Pending Issues

Github TavisCI integration still has pending issues with syncing the user.

Plans for Upcoming Reporting Period

Improve CLI prompts so that the user is not required to be using third party services and add the use of a config object. Start building out the GUI. Work to improve testing including API calls and GitHub test bot. Some general code refactoring and clean-up.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Erica Clark	Updated README (.5 hr) Basic GitHub integration - creating gitignore, then creating a local and remote repo, pushing the projects to the remote repository (6 hr). Meeting with advisor (2.25 hr). Team Meeting (1 hr). Added Mocha to the default project, with a sample test file (2.5 hr). Looked at PRs (.75 hr). Refactored code to include winston for error logging and for method entry, also ensured proper commenting for each method (3 hr). Added a method to run npm install upon creation of the project (2.5 hr).	18	39
Jack Meyer	General code reviews for many of the issues and their commits and helping solve code review issues (3 hours). Rebranded	16	46

	<p>application from hammer-cli to tyr (1 hour). Fixed and perfected test cases (1hour). Worked on adding support for two factor authentication for github sign in (7 hours). Created basic server setup for yggdrasil and started the endor API (2 hour) Team design document meeting (1 hour). Meeting with client/adviser (1 hour).</p>		
Nathan De Graaf	<p>Initial work to set up Yggdrasil, our front end web page. This included setting up a new react project and some of the libraries and services needed. The current state of Yggdrasil is a simple branded home page, which is ready to be built out into the full solution (6 hr) -- shout out to Jack for guidance on Yggdrasil portion. Other work included a design doc meeting (1 hr), design doc meeting (1 hr), and adviser meetings (1 hr).</p>	9	35
Nischay Venkatram	<p>Cleaned up the code for the cli and broke everything down into utils. Added ability to add environment variables to TravisCI builds through the API. Prompt to add Dockerhub credentials. Looked at pull requests (3.5 hrs). Meeting with adviser/client (1.25 hrs). Team meeting (1 hr). Refactored codebase to create template files for all config files. Prompt to add heroku credentials. Added functionality for users to use Express in their project and deploy the application to Heroku using Docker. Added functionality to generate TravisCI config files dynamically based on user options. Added tests and made existing tests concise. Addressed comments on PR's (11 hrs). Worked on design document. (1.5 hrs).</p>	18.25	47.75
Nathan Karasch	<p>Finished integrating GitHub with TravisCI (7 hrs). Meetings (1.5 hr). Refactoring GitHub and Travis client and utils (1 hr). Created the prompt to ask the user about completing prerequisite steps, and saved the user's answers to an encrypted preferences file (2.5 hrs). Worked on the design document (0.5 hrs). Attended design doc planning meeting, and worked on finishing GitHub/Travis integration (1 hr). Updated README and CONTRIBUTING doc (0.5 hrs). Added my contributions to the design document, made</p>	17	47

	edits to other portions of the document, finalized wording and layout, and posted the Design Doc PDF on the team website (3 hrs).		