

EE 491 Weekly Report MAY15-17 Week 1 (9/15/14-9/21/13)

Advisors: Dr. Mitra **Client:** Workiva

Members (roles): Caleb Brose (Team Lead), Chris Fogerty (Communication Lead), Nick Miller (Webmaster), Zach Taylor and Rob Sheehy (Key Concept Holders)

Project Title: System for Managing Execution Containers in a Cloud Environment

Weekly Summary

We have a very rough project plan put together, and we know where we want to go from here. The current plan is to release something to Workiva within 5 weeks, to get them using our product. Once that happens, we can iterate on their feedback. (That something is better defined in the project plan.)

Meeting notes:

9/22 Group Meeting with Dr. Mitra

Duration: 30 min **Members Present:** All

Purpose and Goals:

Describe our current situation, and discuss what we found out from our meeting with Workiva. Our project plan is due next week, so ask for any advice on that.

Achievements:

Dr. Mitra is caught up with our communications with Workiva. He is aware of what we will be building, if in a vague sense where Docker is concerned. He also gave us tips for the project plan, and said he would look over it before submission.

9/23 Group Meeting

Duration: 60 min **Members Present:** All

Purpose and Goals:

Discuss our research into Kubernetes and Panamax. Rob built some interface with the Docker API, disseminate the information on “how” to the rest of the team.

Achievements:

Presented research on Kubernetes and Panamax, discussed what each does and what we should be doing differently. Saw a demo of Rob’s small webapp that communicates with Docker, and learned how that works.

9/25 Group Meeting

Duration: 120 min **Members Present:** Rob, Nick, Caleb, Chris

Purpose and Goals:

Discuss a plan for the project plan document.

Achievements:

Created a block diagram that describes our minimal viable product, the “something” we want to get to Workiva in 5 weeks. Defined requirements and set up a small “code jam” to get started. Split up the parts of the project plan and set a due date so Chris could compile it all into one document.

Pending issues

1. Back-end code not in repo, blocking work on front-end code (will be solved by Fri.)

2. Need to discuss MVP and project plan with Workiva.
3. Project Plan 1 needs some work

Plans for next week

Describe who will do what.....

1. Discuss MVP/Project plan with Workiva (All, 1hr)
2. Code jam (All, -hr)
3. Touch-up project plan 1

Individual Contributions (this week)

Caleb: Meeting with Dr. Mitra (.5 hr), Team meetings (3 hr), Project Plan 1 work (1hr), Go-Docker and App Engine work (6 hr), Panamax research (2hr), Setup Workiva meeting (.5hr)

Nick: Team meetings (3hr), Meeting with Dr. Mitra (.5 hr), Convert Rob's proof-of-concept to Angular.js (3hr), Architectural diagrams (2hr)

Rob: Porting work from Python to Go (2hr), Set up GAE instance for testing (2hr), interfaced with Docker via TLS (2hr), team meetings (3hr), meeting with Dr. Mitra (.5 hr), Project plan 1 work (1hr)

Zach: Team meeting (1hr), Project plan 1 work (2hr), Kubernetes research (2hr)

Chris: Team meetings (3hr), meeting with Dr. Mitra (.5hr), Automated task-tracking system (2hr), Project Plan work (2hr)

Total contributions for the project

Caleb Brose (13hr/21hr)

Chris Fogerty (7.5/16hr)

Nick Miller (8.5hr/19.5hr)

Rob Sheehy (10.5/23hr)

Zach Taylor (5/12.5hr)