EE 491 Weekly Report **MAY15-17 Week 5** **(9/29/14-10/5/13)**

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:

9/29   Group Meeting with Dr. Mitra
Duration: *30 min*   **Members Present:** *All*

Purpose and Goals:
Our project plan is due 9/30, so go over what we have.

Achievements:
Dr. Mitra had some good feedback for us and, although we were not able to make all the changes he wanted by the time the project plan was due, we will keep what he said in mind for future project plan and design document releases.

10/2   Meeting with Workiva
Duration: *60 min*   **Members Present:** *All*

Purpose and Goals:
Discuss our project plan with Workiva, show what we have working now, and take feature requests for the first few iterations after the MVP.

Achievements:
Got a good list of feature requests compiled. Workiva is happy with what we're doing so far, and are impressed with how fast we came up with something to show, even if it is currently unusable.

10/3   Code Jam
Duration: *5 hr*   **Members Present:** *All*

Purpose and Goals:
Generate Trello tasks for MVP construction, further define and refine MVP feature list, define deploy process, define initial front-end/back-end API, if time

Achievements:
Generated plenty of Trello tasks to keep everyone busy for the next few weeks, set features for MVP, got most of an initial deploy done, and started working on an API description

Pending issues

1. Deploying and configuring new servers seems to be a hassle

2. Not everyone knows how to deploy, as there was no time to define a set process.
3. Detecting Docker on available cloud instances may not be efficient (needs more research)

Plans for next week

Describe who will do what…..
1. Research Google Compute Engine API (Chris, 2hr)
2. Finish initial API documentation (1 hr), hook front-end into GCE project, create initial instance/host info page (may use mock API responses if need be)
3. Complete basic backend server implementation on GCE (Caleb, 2hr)
4. Start full backend implementation design and coding (Caleb, 4hr)

Individual Contributions (this week)

Caleb:

 Attended weekly meeting with Dr. Mitra (0.5 hr)
 Attended meeting with Workiva (0.5 hr)
 Completed PoC server application written in Go (4 hr)
 Attended team CodeJam session (5 hr)

Nick:

 Workiva meeting (1 hr),
 Code jam (5 hr),
 weekly meeting (0.5 hr),
 API documentation (1 hr)

Rob:

 Workiva meeting (1 hr),
 Code jam (5 hr),
 weekly meeting (0.5 hr),
 Setting up Docker registry for testing with ssl/credentials (2 hr)

Zach:

 Workiva meeting (1 hr),
 Code jam (5 hr),
 weekly meeting (0.5 hr)

Chris:

 Workiva meeting (1 hr),
 Code jam (5 hr),
 weekly meeting (0.5 hr)

Total contributions for the project

Caleb Brose (10 hr/31 hr)
Chris Fogerty (6.5 hr/22.5 hr)
Nick Miller (7.5 hr/27 hr)
Rob Sheehy (8.5 hr/31.5 hr)
Zach Taylor (6.5 hr/19 hr)