EE 491 Weekly Report MAY15-17 Week 8 (10/20/14-10/26/14)

Advisor(s): 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

Project Site: https://lighthouse.github.io

Weekly Summary

Created a rough draft of the design document, as that is due this week. This caused us to rethink some of what we were doing, including project file structure and some of the basic communication through provided APIs. We also created a significant amount of documentation, especially regarding the Lighthouse API.

Meeting notes:

10/23   Team Meeting

Duration: *120 min*   **Members Present:** *All*

Purpose and Goals:
Discuss design document draft, create use cases, finish open PRs for backend, and discuss the design of the History API.

Achievements:
We discussed the design document draft and how our design had evolved since last Thursday. Realized the block diagram needed updating. Gave hard deadline for document pieces to be complete. Merged in open PRs, better defined History API.

Pending issues

1. Elegance of Docker routing has yet to be shown.
2. Need local testing environment and database setup
3. Design document meeting with Dr. Mitra brought up some aspects of the design and configuration we have not considered fully yet - hoping to cover our bases during the next team meeting

Plans for next week

Describe who will do what…..

1. Setup Postgres database and configuration scheme (Chris, 1-2 hr)
2. Code behavior for History API (Chris 3-4 hr)
3. Create front-end Docker API wrapper (Nick, 4 hr)
4. Update design block diagram (Nick, 1 hr)
5. Migrate Angular templates (Zach, 6 hr)
6. Complete backend API implementation and documentation (Caleb, 3-4 hr)

Individual Contributions (this week)

Caleb:

    Team Meeting (2 hr)
    Design Document - Interfaces and definitions (3 hr)
    API testing (3 hr)

Nick:

        Team meeting (2 hr)
        Design document work (3 hr)

Rob:

        Team meeting (2 hr)
        Design document work (3 hr)
        Provider interface proof-of-concept (3 hr)

Zach:

        Team meeting (2 hr)
        Design Document (2 hr)
        Angular templating (4 hr)

Chris:

        Team meeting (2 hr),
        Design Document work (6 hr)
        Research Postgres/Container linking (2 hr)

Total contributions for the project

Team Member	Hours this week	Total hours
Caleb Brose	8	53
Chris Fogerty	10	38.5
Nick Miller	5	43.0
Rob Sheehy	8	46.0
Zach Taylor	8	39