

# EE 491 Weekly Report MAY15-17 Week 7 (10/12/14-10/19/14)

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**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

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**Project Site:** <https://lighthouse.github.io>

## Weekly Summary

We have two back-end commits provide most of the base functionality being reviewed by the team, as well as an initial front-end commit ready to go. We've started looking at the design document, and we've split up the sections so everyone has work to do. We're figuring out build process issues and settling into a routine.

## Meeting notes:

**10/13 Group Meeting with Dr. Mitra**

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

### Purpose and Goals:

Update Dr. Mitra with what we've been working on, and how we're progressing. Discuss plans for design document

### Achievements:

We came up with a deadline for getting the design document completed so that we will be able to review the draft in two weeks with Dr. Mitra. We will not meet next week because of this.

**10/16 Team Meeting**

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

### Purpose and Goals:

Discuss design document and what work needs to be done next.

### Achievements:

Split up design document sections, fleshed out the deployment rollback feature, and created a scheme for forwarding Docker requests through our API with minimal maintenance.

## Pending issues

1. Elegance of Docker routing has yet to be shown.
2. API documentation needs to be written
3. Need local testing environment and database setup

## Plans for next week

Describe who will do what....

1. Design document work (All, 2 hr)
2. Setup Postgres database and configuration scheme (Chris, 3-4 hr)
3. Create front-end Docker API wrapper (Nick, 2-3 hr)
4. Complete front-end UI mockups (Zach, 3 hr)
5. Complete backend API implementation and documentation (Caleb, 3-4 hr)

## Individual Contributions (this week)

Caleb:

- Team meeting (2 hr)
- Weekly meeting with Dr. Mitra (0.5 hr)
- Backend API redesign and implementation (4 hr)

Nick:

- Team meeting (2 hr)
- weekly meeting with Dr. Mitra (0.5 hr)
- Restructured front-end module structure and build process (3 hr)
- Implemented mock API response system for front-end (1 hr)

Rob:

- Setup admin level authentication for application (4 hrs)
- weekly meeting with Dr. Mitra (0.5 hr)
- Team meeting (2 hr),

Zach:

- Team meeting (2 hr),
- weekly meeting with Dr. Mitra (0.5 hr),
- UI Mockups (2 hr)

Chris:

- Team meeting (2 hr),
- weekly meeting with Dr. Mitra (0.5 hr)

## Total contributions for the project

Team Member	Hours this week	Total hours
Caleb Brose	6.5	45
Chris Fogerty	2.5	28.5
Nick Miller	6.5	38.0
Rob Sheehy	6.5	38.0
Zach Taylor	4.5	31