Week 7 Report (10/14/14 - 10/20/14)

Name (Role)	Team Meeting (10/20)	Advisor Meeting (10/16)	Week Hours	Total Hours
Jake Bertram (Comm)	P	P	6	31.5
Dan Smith (Key Concepts)	P	P	3	24
Kyle Tietz (Lead)	P	P	5	26
Jacob Wallraff (Webmaster)	AE	P	3	23
Erich Kuerschner (Webmaster)	P	P	3	24
Bryan Passini (Comm)	P	P	6.5	30

Key: P - Present   AE - Absent, Excused   AU - Absent, Unexcused
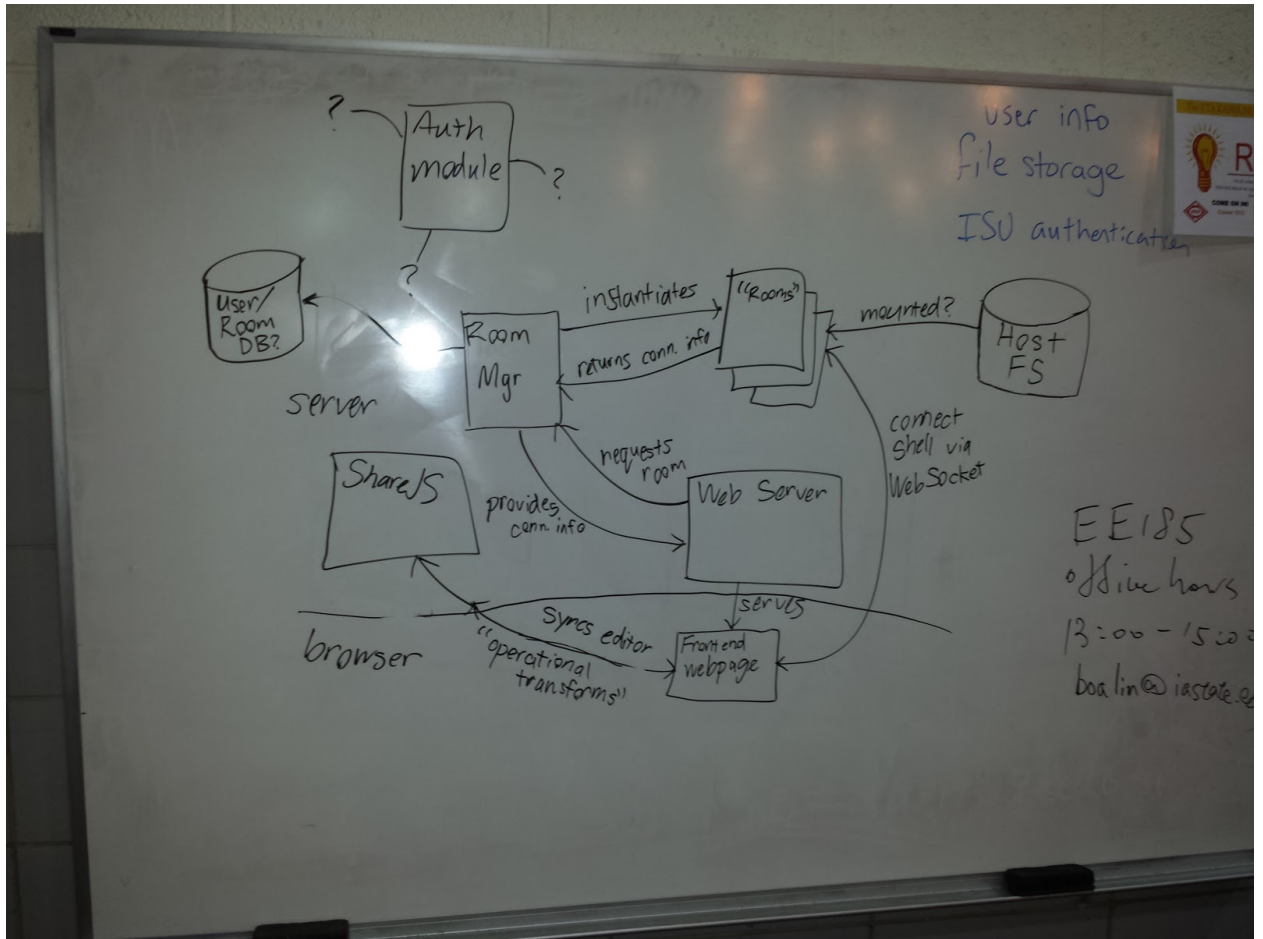
Advisor Meeting Notes (10/16)

- Discussed weekly accomplishments and goals for next week
- Brief meeting, just touched based with each other.

Team Meeting Minutes (10/20)

Discussion

- Drew a diagram on the whiteboard for a module overview:

- *Will be formalized into a computer-drawn diagram later*

- Created basic outline for the design document
- Discussed Jacob B's simple docker manager demo
- Will meet tomorrow to work on design document

Individual Accomplishments

Jacob Bertram

- Developed a "room manager" concept application that starts up docker images
  - Can start up multiple containers and run code on them when requested
- Drew a rough diagram for the Monday meeting as a starting point for the Design Document (might be attached to this document)

Dan Smith

- Mostly caught up on midterm deadlines (thankfully there's nothing pressing this week)
- Examined Docker and in-browser shell code
- Began designing shell connection management

Kyle Tietz

- Added ShareJS server example to GitLab
  - Formed master branch
  - Created installation instructions - should work for both Windows and Unix

Jacob Wallraff

- Followed up with CSG regarding improperly configured user accounts on VM
- Followed ShareJS server installation instructions from GitLab

Erich Kuerschner

- No work was accomplished this week due to midterms:(
- For next week: continue with goals from last week
  - Expand ShareJS demo and ace editor to support C syntax

Bryan Passini

- Built a prototype, using node.js and ShareJS, for saving source code to a file, opening source code from a file, and listing all files saved. Files are saved remotely on the server side, not locally.
  - Used browserchannel for client server communication
  - Used fs.js for dealing with remote files

Pending Issues

- We acquired a VM but cannot log into it with the information we were given
  - Jacob W is emailing CSG regarding this
- More research / development is needed to help with planning in the future.

- ○ Server-side technologies should be considered. NodeJS will be used at the very least for the docker management and ShareJS (if we choose to use ShareJS), but the entire web application's server-side doesn't need to follow this.
- Complete design document by Tuesday, 10/28/2014

Plans for Upcoming Week

- **Everyone**
  - ○ Work on Design Document
- Jake Bertram
  - ○ Work on Room Manager (formerly Docker Manager)
- Dan Smith
  - ○ Redesign shell code to be more generic and accept connection information
  - ○ Create a more formalized digital diagram for the system modules
- Jacob Wallraff
  - ○ Work with Erich on share site / demo
- Kyle Tietz
  - ○ Work on displaying information about users connected to the same editor
- Erich Kuerschner
  - ○ Enhance share/ace demo
- Bryan Passini
  - ○ Look into multiple file project in ShareJs