Week 9 Status Report

SE 491: Team sddec19-24
DevOps Framework for IOT
Client / Faculty Advisor: Lotfi Ben Othmane

Team Members:

Yussef Saleh	*Team Leader*
Matt Bechtel	*Chief Designer / Engineer*
Brett Wilhelm	*Assistant Programmer / Engineer*
Chakib Ahlouche	*Assistant Programmer / Engineer*

Git repositories for extensions mentioned below:
https://git.ece.iastate.edu/sddec19-24/iot-deployment-manager/
https://git.ece.iastate.edu/sddec19-24/iot-deployment-service/

o Weekly Summary

This week we spent much of our time working on the final Project Plan. The first project plan that we submitted, earlier in the semester, was missing a lot of items due to the fact that we did not have the full requirements when we wrote it. Because of this, writing the final project plan took a large amount of time, but really helped us all get a view of the project as a whole.
With the project plan being finished we really gave ourselves a scope for what needs to be done by the end of next semester which was certainly a good learning experience.

Beyond the creation of the final Project Plan, we also spent time discussing the details of our presentation next week, trying to plan out the path we will take when discussing our project details to faculty. More work will be done on the presentation this weekend.

o Past Week Accomplishments

- Finished the project plan
- Discussed scope of presentation
- Polished existing components so they are ready to be demoed

o Pending Issues

- Create and practice our final presentation
- Finishing setting up components for filmed demo

o Individual Contributions

Name	Individual Contributions	Weekly Hours	Total Hours
Yussef	> Worked on the project plan. > Met with Nischay(old code developer) to make sure everything will go smooth during integration. > revised existing code. > researched about ways to do the integration next semester.	8	40
Matt	Spent about 7 hours working on the project plan, as the design for the components is mine (meaning I have the most technical knowledge about the IoT Deployment Service and Manager, thus was best suited to write the plan). In writing the report, I discovered more details about the implementation of the new services than I expected. With that being said, I had to spend time refactoring the design a bit to encompass these details (one, for example, was the fact that we need to send data about the instance back to hammer-io, thus we must have communications with koma from the instance). After the design was finalized, the diagrams were created, and the overall scope of the project was defined in the project plan, we spent time discussing our thoughts about the final presentation and how we would go about it. We have decided to do a presentation involving a filmed demo. The filmed demo was chosen because of the nature of live demos, they always go ary. Since we only have 20-25 minutes, this seemed like the safer option.	8	58
Brett	Spent a few hours working on the project plan. Installed Raspbian onto the Raspberry Pi for future demo use. Attended a meeting with a previous developer of the project, although it will need to be supplemented with another meeting to ensure that our knowledge on integration is where it should be.	5	35
Chakib	Worked on the code of the iot deployment service, researched into how http requests can be done, prepared for the demo and presentation of our project, research various parts used as frameworks from the existing hammer-io. Also did parts of the design documents revision.	8	45

- **Plans for Next Week**
  - Polish existing components
  - Prepare and give presentation
- **Summary of Advisory Meeting**
  - Again a scheduling conflict occurred and we were not able to meet.