

Team sdddec20-19 Report 3 (09/15/20 - 09/28/20)

Summary

This two-week period was a bit of an unproductive week for our team. All of our team members had Midterm exams and other responsibilities. But we managed to do some research into connecting our pi to the ISU network and getting it set-up in classrooms. We also did some research into an API for our database, but still need to implement it. We are definitely a bit behind on our deliverables scheduled for this time based on our Gantt chart, but we have a plan to make major strides in development in the next two weeks to catch back up and get closer to where we expected to be.

Individual contributions

| Member | Contributions | Hours | Semester Cumulative | Annual Cumulative |
|-----------------|--|-------|---------------------|-------------------|
| Brandon Johnson | Attended 2 team meetings, team advisor meeting, and attempted testing ssh connection on campus network | 3 | 12 | 41 |
| Angela Shauer | Attended 2 team meetings, team advisor meeting, looked into creating API for database | 3 | 13 | 50 |
| Lance Demers | Attended 2 team meetings, team advisor meeting | 3 | 13 | 40 |
| Connor Sullivan | Attended 2 team meetings, team advisor meeting, attempted testing ssh connection on campus network | 3 | 12 | 40 |
| Nathan Oran | Attended 2 team meetings, team advisor meeting | 3 | 12.5 | 47 |

Pending Issues:

Raspberry Pi is not currently on the university wifi and cannot yet be remoted into.

Plans:

At this point, we plan on continuing to meet with Mohamed on a bi-weekly basis, and more frequently as a team during the week to make progress on our project. We have determined several specific time-slots this week to meet as a team to develop our API and finalize the Raspberry Pi configurations. From there, we will begin to develop our Seating Chart Mapping algorithm and create the GUI for professors to enter seating chart data and schedule attendance image capture.

Finish setting up the Pi backup.

Hand off the Pi to Angela (who has direct access to the university network)

Develop API.

We need to develop an API that will store new class, professor, classroom, and picture scheduling data.

Additionally, the API needs to be able to return an entire day's schedule of picture taking and classes for a single classroom.

Develop Camera Adapter.

We need to develop and implement an interface for a camera adapter that will allow the application to connect with and get images from the pi camera.