

Grant Coleman:

I spent roughly 50 hours over the past semester working on our project. I spent about 10-15 working on learning swift, to start. Another 5 went into planning and design meetings where we worked out and then reworked our plans. It took about 20 total hours to build out the app and get it working with all of the technologies we had to integrate it with. All remaining time was spent testing the device, calibrating our metrics for the pour, and organizing the deliverables for all group members to make sure we hit our targets.

Isaac Measures:

I spent 45-50 hours on this project. 5-10 were spent researching different methods to conduct the pour. When I settled on a design I liked, it took another 20 to model all of the parts I needed and purchase all of the motors and boards necessary to get that first working pour. After that it took another 15 to refine and redesign that model to make sure that the device worked consistently and well. The remaining time was spent testing and working to integrate all the parts of the project together.

Bret Leupen:

I spent right about 50-55 hours this semester working on our project. I spent about 10 hours over the first few weeks getting the communication set up between the Tap Pi and the Broker with the router over ssh. I then spent about 10 hours getting the phone connected and communication working over topics with MQTT between the phone and the Pi's. I then worked about 10-15 hours designing and implementing the finite state machine and firmware to control the motor. The rest of my time was spent with the team testing the pours and tweaking the project so our parts would integrate properly.