11/14/21 Meeting Minutes  
Topics to discuss

**Team Name -** Cold Fries

**Location met -** Discord

5/5 Attendance - 5 Present

**11/14/2021**

**7:14 PM - Meeting Started**

Went over what was talked about in class

Physical presence required for showcase, unless proven notice for medical, travel, or etc.

Figure out how to connect the raspberry pi to the internet, trying without connecting with a mouse/keyboard.

Will probably need to use a database for certain desired functions

If using a database, can use the database as an intermediary between the device and the web client

Will need to figure out how to connect the databases together. Try to get the code within 1-2 weeks.

Found a reference video to base our showcase presentation off of.

Create code to send information or power to individual pins.

Don’t touch black pins, power pins, or ground pins.

Need updates on what everyone has done. Found sample code to try and program the raspberry pi.

Kenny - Make sure to give all the raspberry pi stuff to them

Tasks to do:

Kenny - Deliver the Raspberry pi, set up the circuitry for it

Davin - look into getting a database linked to the web client, and keep learning about PHP to see how to use server side code to send and store data in a database, and control the wen client

Michael/Khai - Work with khai to get a working mockup code ready for testing then hand off back to kenny. Find a pin map for the raspberry pi 0WH. Code certain pins to turn on/off to indicate a working project. Find out how to connect to wifi without the use of typing in the password to the device

Kevin - finish up the electrical aspect, make stepper motor more or servo work/maybe both. Then refine and help where else needed.

**8:14 PM - Meeting Ended**

**Summary of Meeting (1 to 2 paragraphs)-**

We met to discuss much of what needs to be done. We are upping our workflow and getting all of us more involved in the process and assigning specific individual tasks for next week. We looked into more resources on the coding side that will be useful to implement in the raspberry pi. We discussed who would turn in the receipts for the reimbursement. Video production was mentioned and arranged for sometime next week to be accomplished. Some tasks that need priority attention would consist of the website that needs to be refined, code in order for the electrical portions to work, wifi connectivity without the use of manual insertion. Databases are starting to be implemented and need more work as well. Products that were ordered have arrived, allowing for further progression in the project

**Total Meeting Time - 1 hour**

**Individual Contributions (1-3 sentences)**

**Kenny -** Hand the raspberry pi to michael/khai to begin coding. Assign tasks for people so that the project can continue to progress. I need to get the raspberry pi back so that I can test the code by creating circuitry

**Khai -** Started the research for the wifi onto the raspberry pi without needing a password via app.

**Kevin -** Implemented code and wiring to get a set of IR sensors working that will show food storage level in the hopper. Also have a force resistant sensor working that can read if food is in the bowl or not. Working on getting stepper or servo motor working as this is the main crux of our working project at the moment. Plan to have this fixed next week sometime. Fell behind on original set time to have it completed.

**Michael** - Start researching actual coding applications on raspberry pi. Getting things prepared for meeting in-person to get physical work with wifi connection.

**Davin -** Researched more about server side code and how that can be used for the project in terms of managing the site and well as looking into using a database to manage and store any necessary data.

**Team accomplishments for the week (1 to 2 paragraphs)-**

Delegated tasks for the next week. Allocated tasks and given a clear goal for all the people to do next week. Refining the electrical aspect with the stepper motor so that we can . We took a look at some sample code and we will apply it to our physical device for next week. We are also setting up more meetings so that we can get more consistent updates with each other and motivation, since deadlines are getting closer and we need more urgency. Ordered more parts that may help with the creation of the project. Interviewed and asked engineer questions and got very valuable input from them.

**Issues - We continue to face connectivity issues without a manual insertion**