

# Meeting Minutes

Team Name: Sheep Wormers

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Date: 1/15/2024

Time: 12 pm EST

Duration: 40 minutes

Location: Zoom

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## Attendees

- Ryan
- Leiya
- Brendan
- AK
- Sidney
- Ben
- Jacob

## Action Items

 – list of tasks and team member assigned to do the work

- Figure out a method for team communication (Zulip vs. Slack)
- Set a regular weekly meeting time, location
- Plan interview questions for our scientist
- Prepare for Project Assignment 3 (scientist pre-interview notes) & first team-scientist meeting

Due Tuesday are the Pre Interview notes:

<https://cs4760.csl.mtu.edu/assignments/cs4760-assignments/project/project-assignment-3-scientist-pre-interview-notes-1/>

- Prepare for Project Assignment 4 (app description and burndown chart)

Due Wednesday:

<https://cs4760.csl.mtu.edu/assignments/cs4760-assignments/project/project-assignment-4-app-description-and-burn-down-chart/>

**Discussions** - list of topics and decisions made with rationale for the decision.

- Decided to use Zulip over Slack.
  - Jacob will set up a channel and send out link for all of us to register
- Confirmed that the team has access to the shared Google Calendar.
  - Successfully added Jacob to the Google Group.
- [cs4760-sheep-wormers-2024@googlegroups.com](mailto:cs4760-sheep-wormers-2024@googlegroups.com)
- Decided to hold weekly meetings on Mondays from 12:00pm - 1:00pm EST.
- Briefly covered Project Assignments 3 & 4, will ask Professor Pastel about the due date for Assignment 4 in-class tomorrow.
- Rough drafts for Project Assignments 3 & 4 have been created, to be completed in-class.

**Next Steps** - list of topics for the next meeting

- Ask professor about Project 4 due date
- Read up on Project Assignments 3 & 4
- Possible additional meeting before Assignment 4 is due.
- Prepare for Team-Scientist meeting in-class.

- Address issues (if any) with setting up Zulip.

## **Background Information**

Janae Foss - EPIC Consultant & Sheep Farmer

**Contact Information (Email):** jnfoss at gmail.com

The leading causes of death in the US sheep population are predation, lambing complications, and then internal parasites. This app focuses on helping sheep farmers manage internal parasites in their flock. Historically, sheep flocks were treated for internal parasites, or dewormed, on a regular schedule using anthelmintic agents, also called dewormers. Using this method, all animals in the flock receive the same treatment. Over time, this has led to anthelmintic resistant worms since only resistant worms survive to pass on their genetics to future generations. Instead of worming all sheep in a flock, it is now recommended that only sheep with a parasite problem are treated. This leaves both resistant and non-resistant worms in the breeding population, and results in a larger population of non-resistant worms, allowing anthelmintics to remain effective. Along with this, there is a push to cull animals that regularly require deworming, leading to a flock of sheep that are less affected by internal parasites. This app allows farmers to track how each sheep is affected by internal parasites, and whether deworming is effective, or if the animal chronically has a problem and should be culled.

There is a UI challenge with this app. Farmers need to be focused on their animals when doing a flock check. The app needs to be intuitive and easy to use. The display to enter the identification code for each sheep should be large and clean.

Also to note, there may not be access to the internet while performing the flock check, so there should be a way to store the data on the device, and then have it uploaded when a connection

is available. It is expected that the internet is available when reports are being run and analyzed.