

Stakeholders:

**1. Janae Foss:**

a. Description

- i. Janae Foss is the initial scientist of the app that we are designing. She will be using the app in order to track worming data (along with any other data that might be askew). She wants to have a dashboard displaying certain data from this recording that is easy to read and analyze. She also wishes to see censored data from other farms to keep track of her flock's progress.

b. Type of User

- i. System (Onion Model)
- ii. Primary
- iii. Contributing

c. User Characteristics

- i. Expert
- ii. We expect that the scientist will be comfortable using the app and entering the data that she collects from her sheep. She will also be knowledgeable about the practice of sheep deworming.

**2. Sheep Farmers:**

a. Description

- i. Sheep farmers will be using the app in the field in order to report on sheep for deworming status. They will be primarily using the app to record and then going back to where wifi is in order to upload their data to the app itself.

b. Type of User

- i. System (Onion Model)
- ii. Primary
- iii. Contributing

c. User Characteristics

- i. Expert
- ii. Other sheep farmers will be knowledgeable about the practice of deworming sheep but they may not be familiar with the sheep deworming app that we are creating.

**3. Environmental Agencies (eg. United States Department of Agriculture):**

a. Description

- i. Data from this app could be useful to different environmental agencies. They could view overall data of sheep's health and deworming history, and the potential environmental impact of deworming practices.

- b. Type of User
  - i. Containing System (Onion Model)
  - ii. Secondary
  - iii. Constraining
- c. User Characteristics
  - i. Novice
  - ii. We can assume that different environmental agencies will have knowledge of the data that the app collects, but they may be unfamiliar with how the app works and how to navigate it. These agencies may be given a spreadsheet with all the data collected without having to use the app.

#### **4. Veterinarians:**

- a. Description
  - i. This app could be helpful for veterinarians to see the status of flocks in the area. They could also use the app to see a specific sheep's/flock's history and properly diagnose them.
- b. Type of User
  - i. Containing System (Onion Model)
  - ii. Novice
  - iii. Constraining
- c. User Characteristics
  - i. Secondary
  - ii. Veterinarians will already have knowledge of the sheep worming practice and the data on the app. They may be unfamiliar with the actual design of the app and how to navigate it.

#### **5. App Developers:**

- a. Description
  - i. App Developers will be creating the sheep worming app in order to satisfy the requirements given by the scientist of the team (Janae Foss). Their goal is to provide a finished and usable product for the scientist.
- b. Type of User
  - i. Wider Environment (Onion Model)
  - ii. Primary
  - iii. Contributing
- c. User Characteristics
  - i. Expert
  - ii. The developers of this project will only have a baseline knowledge of the practice of deworming sheep, but they will be very familiar with how the app works and how to navigate it.