

1. Janae Foss
  - a. Scientist
  - b. Interaction:
    - i. Foss will be the main owner of this app. She will be able to do the same functions as sheep farmers as well as other farms. However, she will also have creative control of what can be displayed and the app as a whole. She will have the ability to go directly to the development team to change/add what is on the app giving her more ability than the rest of the stakeholders through emails.
2. Sheep Farmers
  - a. Interaction:
    - i. Sheep farmers will be able to log onto their farm and enter their database. From this, there will be multiple different options for them to go through. For example, there will be an option to search/add/remove sheep from their database. If this option is chosen, they will be able to record gender, breeding stats, FAMACHA score, etc. within a specific sheep out in the field when there might be no wifi. Going back to the home screen, there will also be an option to review a dashboard that displays their specific farms flock. There will be a second dashboard option through which they can review other farms flocks but within a lump sum rather than specific information. They will also have an option to export their data to share.
    - ii. Error Use Case: After the farmer logs in, while the farmer adds a sheep, they try to enter an eartag for the sheep that they already use in their system. Upon submission, the app displays an error indicating that the eartag must be unique.
3. Environmental Agencies
  - a. Interaction:
    - i. The Environmental Agencies will be receiving data from a farm with an overview of all data contained within the app. From this, they will be able to analyze the data and decipher information that they wish to have. They can then publish this unidentifiable information to the public for farm viewing by all.
4. Veterinarians
  - a. Interaction
    - i. When veterinarians use this app they'll be doing one of two things. In the first case, they'll be looking at data from a certain sheep or

flock to diagnose them. The data would be exported from the app and sent to them. They'll use this information to provide medicine to certain sheep or determine the best course of action. In the other case, veterinarians will be looking at data exported from a larger area, for example an entire region of the United States. This will allow them to look at trends which can be helpful when diagnosing animals.

## 5. App Developers

### a. Interaction:

- i. Developers will use the app for development purposes such as, usability tests, ensuring the app functions correctly, and testing the app's features. This varies by case, but generally developers will log on and then make their way through each feature/view of the app. They will also be in communication with the given scientist/client in order to ensure that a suitable and usable app is created.