

Design Changes: Improved App

Team Name: Sheep Wormers

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Suggested Improvements:

- For adding a sheep, potentially do the same thing with adding a dewormer for the sheep breed. You would have the option to add a new sheep breed and also select from previous breeds that have been added before.
- Ensure that exporting previous checks contains all data entered, she can then filter through them herself to get the specific dates she wants. Just wants to make sure that the most recent flock check isn't the only one being exported.
 - Additionally, when exporting, give an option to export to email so it can easily be sent to others. As it stands, she would have to download, save, and then upload to whoever she wants to send it to.
 - Changing the wording to "export all data" rather than "export previous checks" on the home page.

- Integrate the app with her Google calendar. The next flock check is automatically added as an event in her google calendar so that it can remind her a week in advance that a flock check is coming up.
- For the add animal button, make it so it is at the top so you don't need to scroll for it.
- Have search feature in the list of sheep page
- FAMACHA should be capitalized in the flock check page, it is an acronym
- Different types of worms for fecal egg count
 - Break this down more in future versions
- Calculate how much dewormer to give based on weight of sheep
 - This would be a value automatically calculated based on these two given fields.
- Have it possible to edit the sheep from the flock check page
- Put previous weight from the previous flock check on that specific animal.
 - There could be an actual or estimated weight indication when looking at flock checks.
- Possibly put the name next to the tag number.
- For reviewing the flock check, changed "Wormed? true/false" to "Wormed? yes/no"
- Fix the UI in general for the buttons and generally clean up the look of the app to make it look more professional.
- Have locks for transactions so that editing animals is not based on race conditions

- Another addition would be who has it locked, ability for Janae to monitor who is editing which sheep
- Worries about gray background when it is transferred to an actual mobile screen.
- Data validation
 - Ear tags limited to letters and numbers: error popping up if invalid data is entered
 - Disallow whitespace in ear tag number
 - Data of death is limited to date of birth and then later on, cannot add in a death before the birth
 - If stillborn, marks it as no-tag
 - Possibly have the no-tag number be auto generated to not require the user to remember the number
 - Option in the add-animal function for no-tag