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Project Assignment 4 – App Description

- App Description:
 - App Idea:
 - A common practice for sheep farmers is to ‘deworm’ sheep affected by a parasite called the barber pole worm. The best practice is to treat only sheep currently affected by the worm, to ensure the worms don’t become resistant to the treatment, so tracking the health and treatment history of each individual sheep is crucial to maintain the flock’s health. Currently, sheep farmers are using software such as spreadsheets and notes apps to track this information, but these methods lack elegance and efficiency. The proposed sheep wormer app will enable these farmers to both record and track the deworming status/history of each of their sheep in a much more efficient manner, whether the user is online or offline.
 - Users:
 - The app will have one main type of user, being sheep farmers and their helping hands. Their role in the app is twofold: they will both record certain data using the app and view/interpret data they previously entered. It is assumed that the users will be well-versed in sheep farming and

deworming practices/terminology. Their expertise with technology should not be assumed to be too high. There is an emphasis on ease of use for the app's implementations.

- App Usage:
 - The app will mainly be used during checks in the field. As sheep are herded through a chute, they are inspected for symptoms of the barber pole worm. The farmer will record the results of each parasite check in the app. During these checks or at another time, the farmer may also choose to view the results of each sheep's most recent parasite check in the app. The users will also be able to add/remove their sheep within the app as needed. The other usage of the app will be outside of worm checks, in which the user will review and potentially upload the data they recorded.
- Data:
 - Sheep identification information (i.e. ear tag #, name)
 - Sheep classification information (i.e. date of birth, sex, breed)
 - Worm check information (i.e. date, FAMACHA score)
 - Dewormer status (i.e. dewormed or not, dewormer used)
 - Additional notes/comments as needed
 - Sheep breeding information (OPTIONAL)