

## Heuristic Evaluation

### Sheep Womer App

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## App Description

The goal of this application is to assist sheep farmers in controlling internal parasites inside their flock. Usually anthelmintic drugs, also known as dewormers, were used on a regular basis to treat sheep flocks for internal parasites, or deworm them. This ensures that every animal in the flock is treated equally. Due to the fact that only resistant worms survive to pass on their genetic makeup to subsequent generations, this has eventually resulted in anthelmintic-resistant worms. It is now advised that only sheep with a parasite problem receive treatment, as opposed to worming each sheep in the flock. Since a larger amount of non-resistant worms are generated as a result, anthelmintics can continue to be effective because both resistant and non-resistant worms exist in the breeding population.

## App Domain

The UI domain is “Assisting in Deworming”. The sheep being checked for signs of the barber pole worm as they pass through a chute. The farmer will document each parasite check's findings in the app. The farmer has the option to view the findings of each sheep's most recent parasite check in the app during these checks or at a later time. Additionally, users will have the ability to add and delete sheep from the app as needed. Apart from performing worm inspections, the user will utilize the app for reviewing and perhaps uploading the recorded data.

## Heuristic Usability

### 1) Simple design:

The design should be simple and the user(farmer) should understand the user interface.

### 2) Error Prevention:

App should be designed in such a way that the error should be prevented even before it was occurred.

### 3) Readability:

Developer should expect that the user is a kid and should understand easily in first sight.

### 4) Documentation and Help:

The documentation about the usage of app should be clear and concise. So that the user can understand it easily.

### 5) Flexibility:

The app should honour all the features that a farmer must need in the context of sheep worming.

### Potential Usability Problems:

What if the user is 90 years old man and doesn't know how to use the app. Then, that violates the documentation and help principle.

If the user wants to send his data to another device without additional tool, then that violates the flexibility principle.

### Critical Usability Concerns:

If the user has multiple devices and mail addresses, the user can't add his other mail addresses.

### Critical Usability Concern Scenario:

When the user has "n" number of farms and he needs separate device for each farm. When saved in a device, the synchronization is also a biggest problem. Also the system can't handle the "n" number of devices for the same account.