

User story 1

The user opens the application and sees a search bar option available for searching. The user is able to type in "cattle disease" in the search bar where a drop list of search suggestions is presented to aid in spell checking and narrowing the field of search. Search type comes up with the name of the different types of diseases for different species of cattle locally and regionally along with images of the infected cattle. The searches returned in alphabetical order. User is then able to click on either the name of the disease or the pictures of the cattle. This action gives further details on the type and stages of the disease as well as treatment options available to treat the various stages of the disease or if cattle needs to be disposed off, if it's beyond medication as well as information on ethical ways of disposing of the cattle.

User story 2

The user is able to open the application on any smartphone with a built-in camera where there is an option available to take a picture of the animal. The user is able to take a picture and crop the image of the animal where the software will detect and aid in guiding the user in cropping the infected part of the animal. After cropping the image of the animal, the user is then able to send the image of the animal to the software database for analysis. The results of the analysis return along with information identifying the type and stages of the disease as well as the veterinarian qualified to treat the disease. The user is able to tap on the veterinarian name thereby getting detailed information on the veterinarian name, address of veterinary clinic and contact information.

User story 3

The professional is able to request for a change in the database by first creating a ticket with the requested change information that he/she decides necessary to make, then clicking the submit request change button which will add the ticket to a message queue. The system admin will access the ticket and decide whether to keep the change to the database or to decline it. The professional will receive a notification of when the system admin attends to the ticket request. The professional can see in the notification if his/her request had been accepted or declined. If the request is approved the professional will get points for service added towards his/her profile.