

Anicare

Application description



Hello,

Seems that Application project need some more specification that result meets our needs better.

I have two good reference application to this case.

Both of those can download from Google play store and use with android phone without registration.

Those are by Finnish but hope so this description also helps to you navigate in application and see how it works.

Both of those are hunting dogs tracking collar application.

1. Ultrapoint

This application is very close what I looking for our own application.

This is easy to use. User interface is very clear and no lot of options that you can adjust in application.

This is not so showy but it do what it have to do.

This is also little bit boring and I want you that make own version more visually.

2. Tracker

This is more pretty and I like this application theme more.

In this application is lot of adjustment and setting like everything for everybody and this is not good.

Basic functions have to easy to use like list of your reindeers/devices and if here is some activated device it is top of the list.

In this document multiplied things and ideas not mean that it have to be just like this but all marked functions have some reason why those are marketable. This document meaning is tell with reference application what kind of feature in application would nice to have but it not are mandatory if you seen that it not fit in reasonably.

You have experience from application design and I trust your assessment of ability.

Basic use case:

- Reindeer owner have smartphone with Android or IOS.

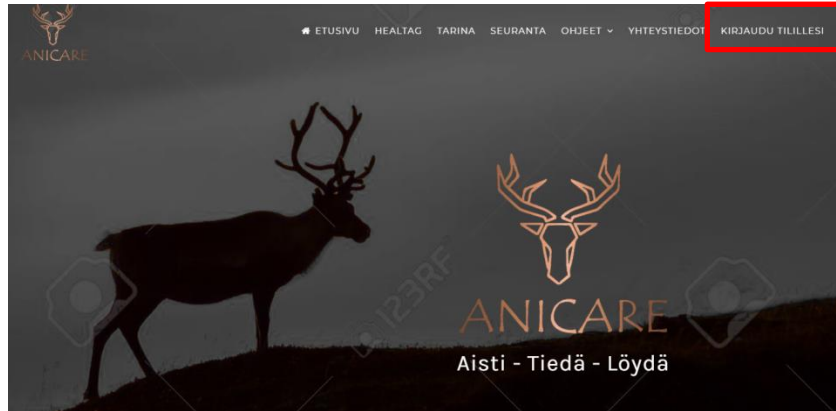
- Reindeer owner buy Anicare HealTag device from Anicare web shop.

- Reindeer owner get HealTag product in sales packet.

- In sales packet is guide that if you are new Anicare user, please go to anicare.fi and make account to you with products ID what can found under to QR-code.

- Next page start story with pictures how this continue...

Create new account 1/3



From Anicare.fi can found “sign-in” and here come following pop-up window

Sähköpostiosoite ← Email

Salasana ← Password

[Kirjaudu sisään](#) ← Sign in

[Oletko unohtanut salasanan?](#) ← Do you forget your password

[Luo käyttäjätili](#) ← Create new account

[Tietosuoja](#) ← Privacy police



You are first time in here so you want to create new account...



Create new account 2/3

TASK!

Create database to cloud / server where you can list all manufactured products.

Demo list can be 10 demo devices numbers from 100000 to 100010

From this list must be found same number as user fill to "product ID" field.

Name

First Last

Choose your username

[I prefer to use my current email address](#)

Create a password

Confirm your password

Birthday

Day Month Year

Mobile phone

+ +358

Your current email address

Location

Finland (Suomi)

[Next step](#)

In new account tab looking something of this. Here asked basic information of you.

← Your email address is your username

← This field asked to you fill product ID from sales packet under the QR Code. With this code checked than this coded product is sold and account maker really owns product.

← This no need

← Instead of country location this drop down menu can found following places.
Käsivarsi Kemin-Sompio Kiiminki Kolari Kollaja Kuivasalmi Kuukas Kyrö Lappi Lohijärvi Muddusjärvi Muonio Muotkatunturi Näätämö Näkkälä Näljänkä Narkaus Niemelä Oijärvi Oivanki Orajärvi Oraniemi Paatsjoki Paistunturi Palojärvi Pintamo Pohjois-Salla Poikajärvi Posion Livo Pudasjärven Livo Pudasjärvi Pyhä-Kallio Salla Sallivaara Sattasniemi Syväjärvi Taivalkoski Timisjärvi Tolva Vanttaus Vätsäri



Product ID: 123456789

Create new account 3/3

Disclaimer and acceptance page

- Text to here come later
- End of the page is box what have to accept before continue
- End of page is also text “please confirm your email after disclaimer acceptance”

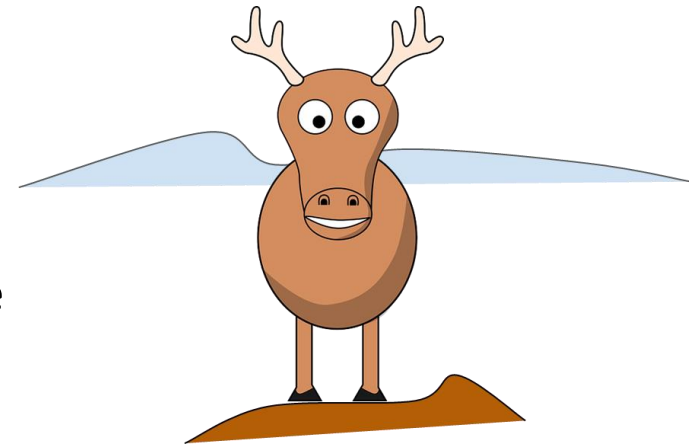
End of page is button “accept disclaimers and send confirmation email” to email address what is the user name.

To “user name” email sent email where is confirmation link what confirm email and give access to web portal main page

TASK!

Create database to cloud/server where all created account saved and all data what includin in the account is saved.

Created accounts and data(feeded data and information, devices, devices state) opened to web user interface when you sign-in with valid user name and password.



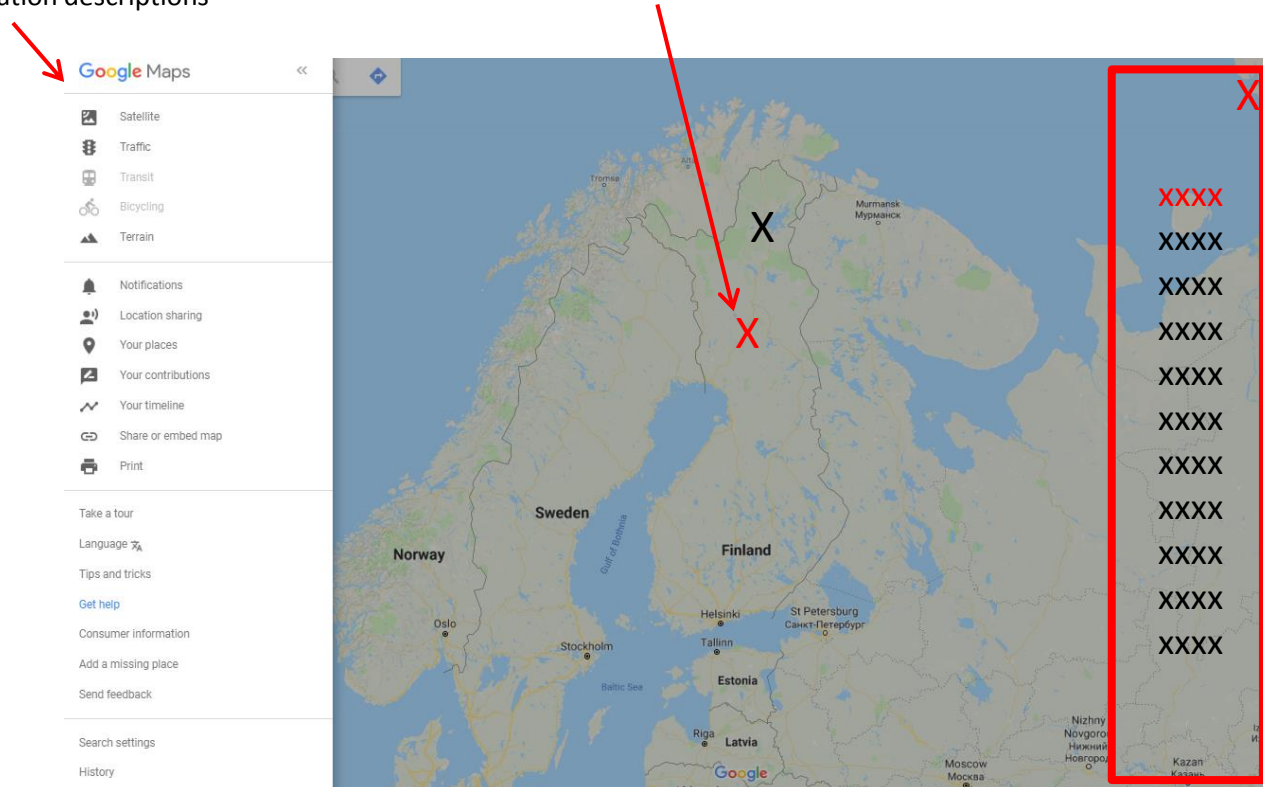
Web user interface main page (proposal)

User interface in web portal would be similar than in mobile application.
Then user no need to learn two different type of user interfaces.
Good bechmark interface is Google maps and previosly mentioned applications

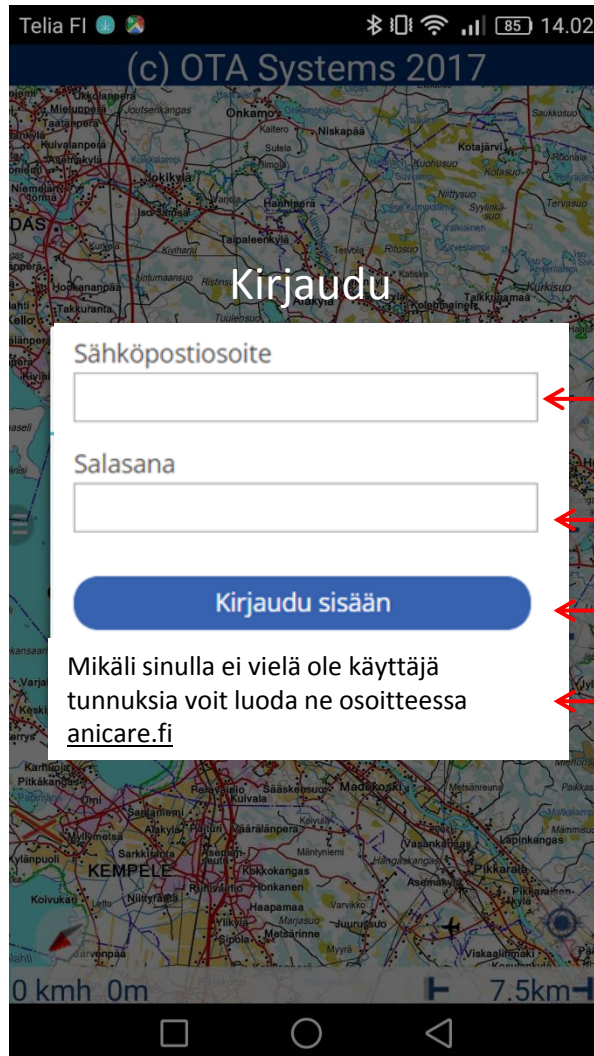
Left side of page is same
functionalits what is explained
in application descriptions

Selected and activated divesces
can see immediately on map.

new pages what opens to full
screen in mobile application
opened to right side of screen.
Like list on devices/animals
Map is see in center.
Page can close from X in right
upper corner



Application first start page



Created account
Email

Password

Sign in

If you no have active
account, please go
to anicare.fi and
great own account
Link to anicare.fi

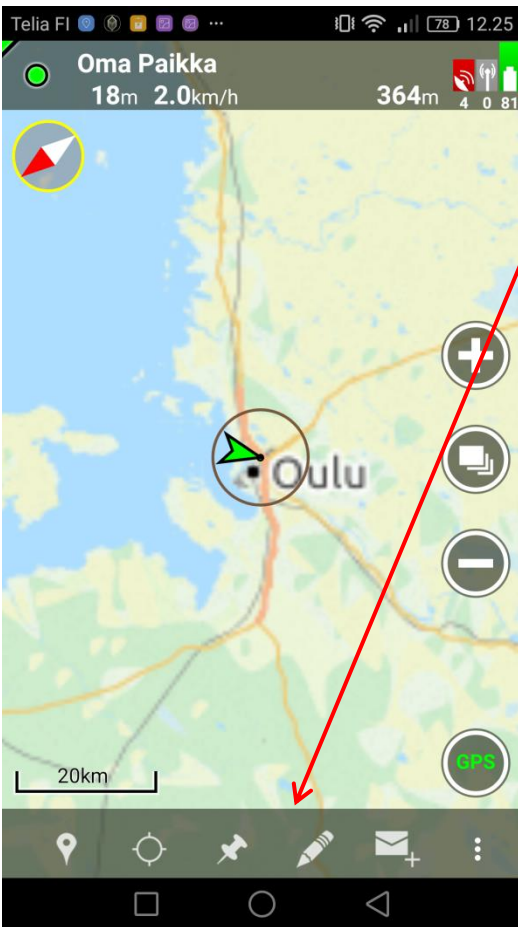
In application first page start asked you sing-in to application with same email and password what you create in web portal previously. This way all data and settings synchronized between application and web portal(server)

Next time when you open application, application remember your account information and link you directly to the front page.

Somewhere in application have to also be “log-off” button that you can change different user.

End can be hyperlink to anicare.fi website where you can create new account.

Application Main page 1/3



Application main page is clear map and most used functions have to be easy to found.

Here is two different type from reference applications. Right is Ultrapoint and left is Tracker application

In Left application most used buttons are clearly displayed and used by one click. Right version all buttons are hidden under of tap and now you have take on extra click that you get access to buttons.

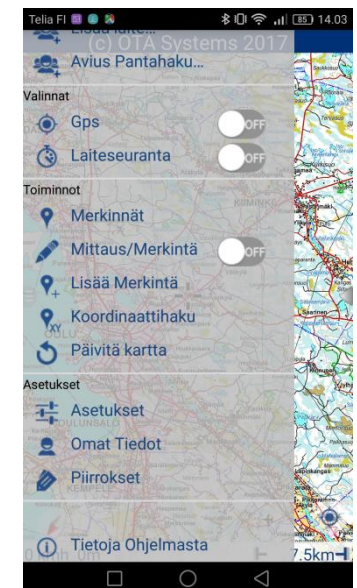
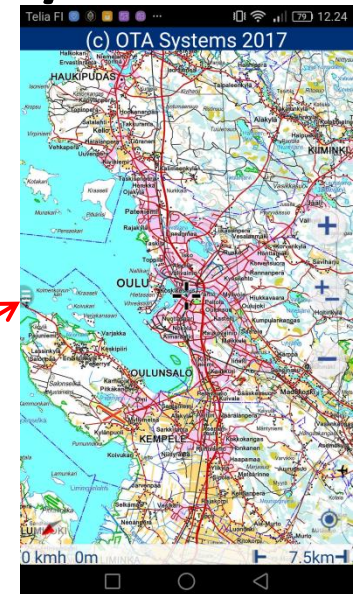
Both versions have good and bad sides.

Under of tab all functionality are clearly presented and icons are explain with words and this is very good thing. This way no need try to guess what every icons means.

Left version is visually better and easy to use.

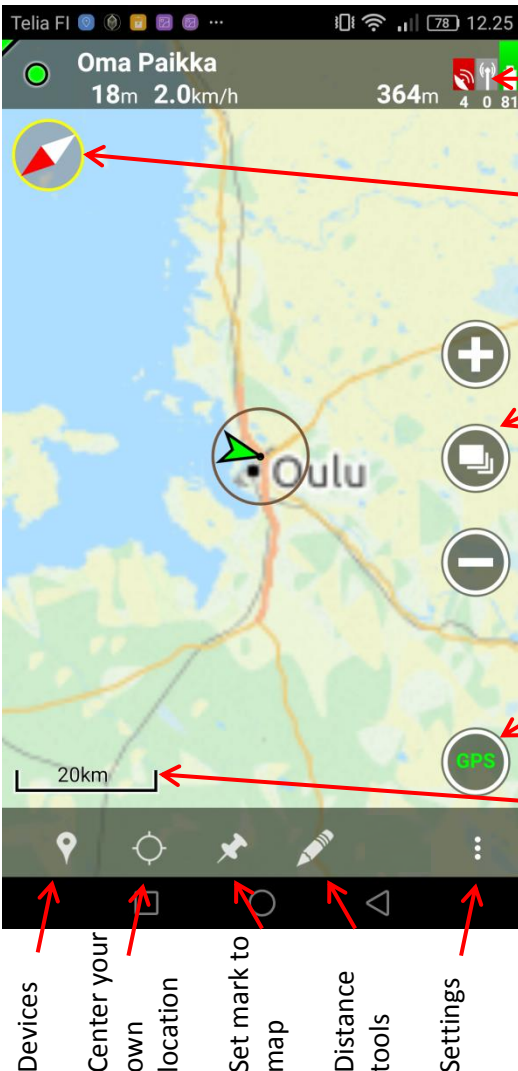
But here is also information what no need be on main page. Map have to be as big as possible because you have check it many times when you imitate a dead animal.

Result would be combination of those. Right side clarity and left side usability.



Application Main page 2/3

Here is detailed description of button and functionality of main page.



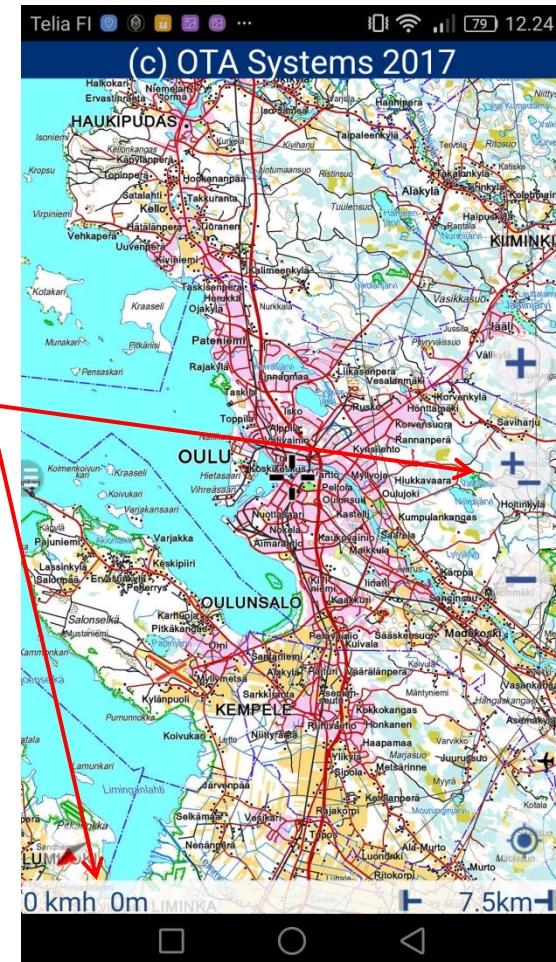
Here no needed so much data, only speed and distance(with dimension tools) showing, like right side. Top of the screen would be good place.

Compass have to be. Left version is most clary.

Map zoom tools have to be available easily and option to change map layers

GPS On/Off would good to be. If it is off in phone, you can activate from this button (android would ask permission to use location information)

Map scale have to be.



Application Main page 3/3

I continue explaining with Ultrapoint application because here is almost everything features what I need to my application. But this no mean that outlook have to follow this. From user experience and application visuality I give free hand to you do it like you seen best way to do it.

Registration. User is already registration to application. **This no need**

Devices. List of all devices in this user. Here is detailed explanation slide.

Add new device. Here is detailed explanation slide.

GPS on/off

Own marks/places/position to map. List of saved points. Select points on list and application centralize map to this location.

Dimension tools. With this tools you can measure the distance between the two created points on the map.

Add new mark/place/location.

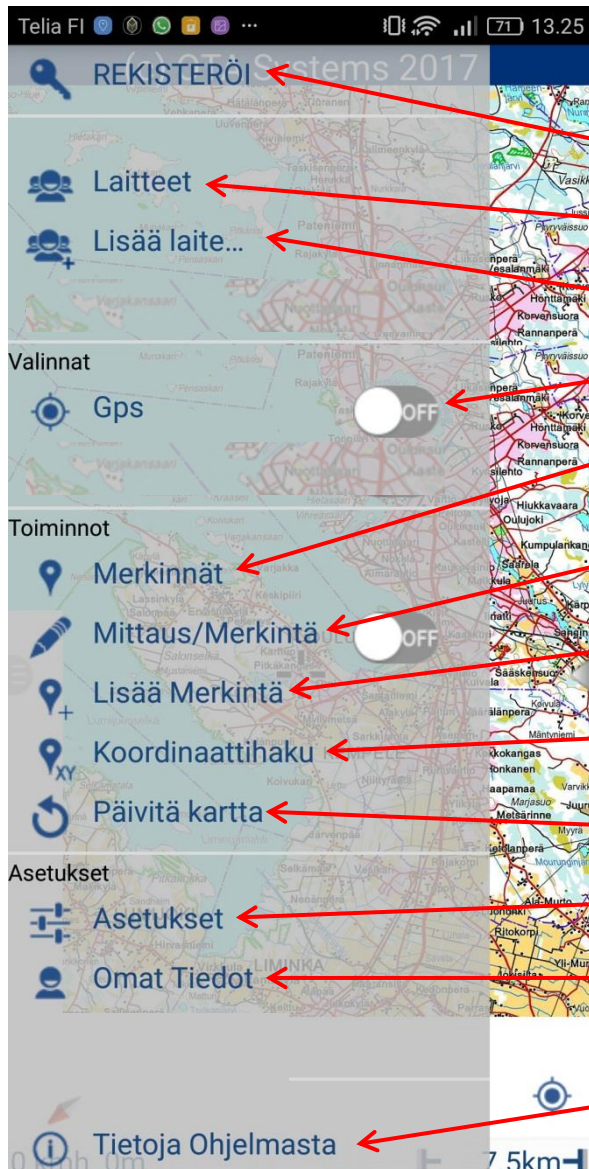
Coordinates. Under of this button opens box where you can fill or paste coordinates and maps centralize to this location.

Refresh map.

Settings. Here is detailed explanation slide.

Own information. Under of this can found page where is all user information what is given in Web portal and you can edit it also in here. Changes updated to server.

Information from application. I will fill this with needed information so I need easy access to change this data. User can only read what here is. Including disclaimers and privacy policy.



Add new device

Here is detailed information how to add new device in your account and how to manage it.
Here is Ultrapoint application adapted with features what i need my application.
After "Save" device it check from server that product ID is valid and link products and user together.
Information of product activation(dead message) or some other send information from product
linked to this accounts and this account can see this information.

The application flow consists of three main steps:

- Initial Screen:** The user is prompted to "Add new device". They can either "Scan QR-code or write product ID number" or "Scan QR code from sales packet (button)". A "Continue" button is at the bottom.
- QR Code Scanning:** The user scans a QR code. The app displays the "Product ID: 123456789".
- Device Information Form:** The user enters the following details:
 - Device ID number: 123456789
 - Date when added: *Auto fill this from phone calendar or press here and give calendar
 - Place where added: *Auto fill this with coordinates from phone GPS or press here and give write text or numbers. *Button to own map marks
 - Sex of animal: ☒ Male ☐ Female
 - Age of animal: 2 * this have to change to 3 year after installation and next year...
 - More information: *free text areaThe "Save Device" button is at the bottom.

Device list /dead animal report

From device tab you found list of all your devices what you are installed and devices what is share with you.

Top of list is activated devices(dead animals) so long that your are sign made report and this device moves to “dead animal” list.

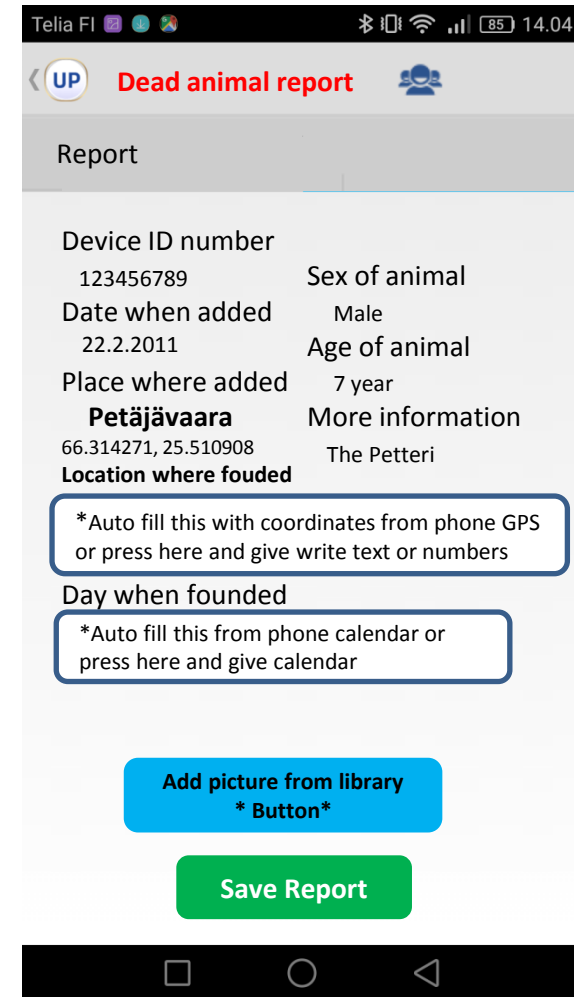
When you select device you can make 4 option to device



1. Show device last location on map(here you can select many devices or only one or all), after select map centralize as all selected devices can be seen in same map
2. Info. You can check saved information of this devices but you didn't can edit it.
3. Remove device from list. Removed device moves to “removed device list” where you can return it or delete it permanently
4. Only for activated device. Report. Report tab can find all product information. Here is also new fields: animal dead location(pre-filled with phone current GPS coordinates), add pictures form folder, current date(pre-filled from phone current day)

Info page and report page is almost same but in report page you have to fill needed information. Edited informatin and saver reports saved to server. with saved report and account informations pre-filled [animal damage report](#).

← Show selected devices on map/ Show list of dead animals/list from deleted devices/ share selected devices



Share devices

Telia FI

Share device

Selected devices

- 1000001
- 1000002
- 1000003
- 1000004
- 1000005

Anicare user account you want to share Devices:

Example2@gmail.com

Share selected devices

This page come after you are selected product list device/devices what you want to share with another user.

Another user have to be also Anicare user account and all those product information shared with another user.

Note!

Information from death(device activation) send also this user but this user can only add picture and location to Dead report. Original user have to made report to finish.

Original user can also delete own device from shared device from device information page.

To anicare server can also made groups. Group account name is example group@anicare You can share selected own device to this group and all of this group devices share with you automaticly.

Settings

Settings

- Map layer
 - terrain map
 - Road map
 - OpenStreetMap road map
 - Satellite map
 - Cadastral boundaries
 - (Reference of map layers:
<https://asiointi.maanmittauslaitos.fi/karttapaikka/?lang=en>)
- GPS (on/off/automatic when you start application)
- Do not turn screen to sleep mode (on/off)
- Language (English/finnish)
- Offline map/tracking/own position



Server structure proposal

Server structure

Here is draft how i see what data structure will shown.

When device get own ID number on production line, this ID need to add anicare server list of “maded device” document. This number have to match when user first time create account. From this list also checked when some user add new device to own devices and this ID reserved for her.

I explain this like windows folder structure:

Main folder is Anicare.

Under of anicare main folder is “list of device” document where can update new device ID.

When new customer make new account under of anicare, here come new folder named by her user name like “example1@gmail.com”.

Under of this folder is also document where user informations saved for pre fill new device and “dead animal report”

From “example1@gmail.com” folder is document what is named with devices ID what user is adding to this account. Every device come send following information every week and this data saved to this document and last of those can read with applicatinon or web interface.

Device information(installation date, place where installed...)

Location

Time stamp

Heat

Battery status

Animal activation level?

