"Carcass" App

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Scenario 1

You are on the way to a party and in a hurry.

You are seeing a dead hedgehog laying on the side of the street.

You don't want to call somewhere to report it right now.

You are not ready to put it away yourself, but would like it to be taken care of.

You report it in this app anonymously and volunteers/authorities will know about it.

Scenario 2

You drive to work in your car.

You see a dead deer in front of you on the road.

You want to warn other drivers about it.

You stop and report it in this app.

Other people using it will know about this danger.

Authorities receive this data and will put it away.

App idea

- An app where people can report animal carcasses
- Using GPS you can report it's location
- Other users can inform themselves about dead animals in their path
- Authorities or volunteers check the data and get rid of the bodies
- After removal the map marker should vanish for everybody
- It should be anonymous - no tracking or responsibility
- Possibility to add and view an optional picture
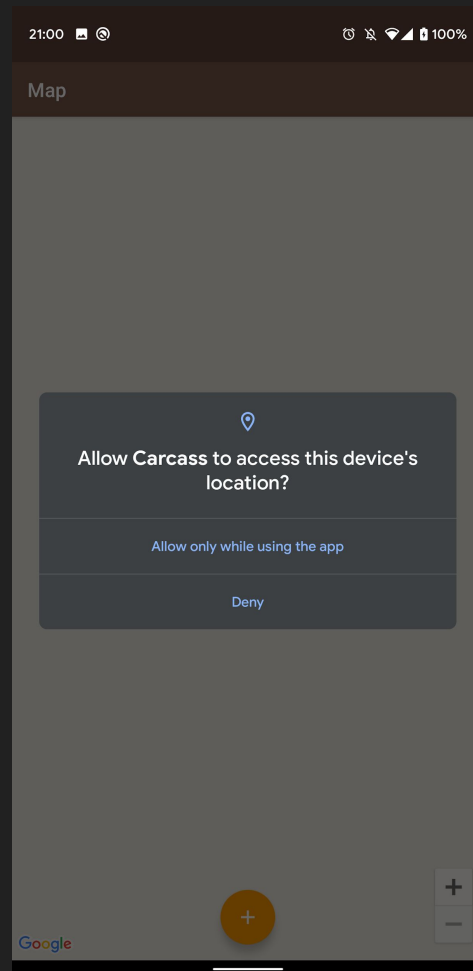- Specifying the type of animal should be required

Targets

- Fast and modern reporting and removal of carcasses
- Eliminate smells in local neighborhoods
- Avoid unpleasant sightings
- Driver safety with clear roads
- Avoid accidents
- Partnership with responsible authorities
- Keep people informed
- Not needing to call somewhere or go to a website to report a carcass

Requirements

- Mobile Application using GPS and Camera
- Database for all carcass locations (possibly Firebase)
- Automatically updating the UI when new locations are reported
- Seeing the map and your own location (Google Maps integration)
- Possibility to get information about the map marker
  - Type of animal
  - Photo
  - Remarks
  - Time of reporting
- No account login

First sketch

Before entering the system
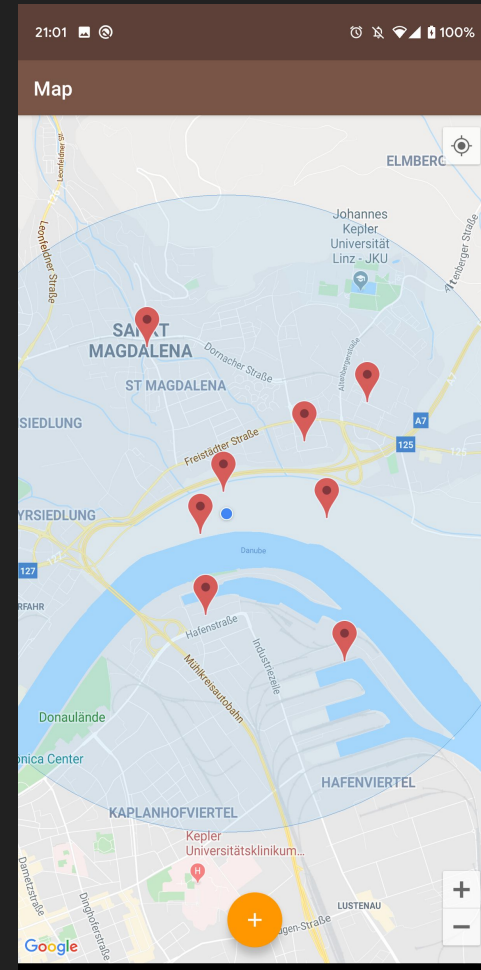ask the user for location permissions

First sketch

Retrieve data about nearby carcasses

Show user's own position

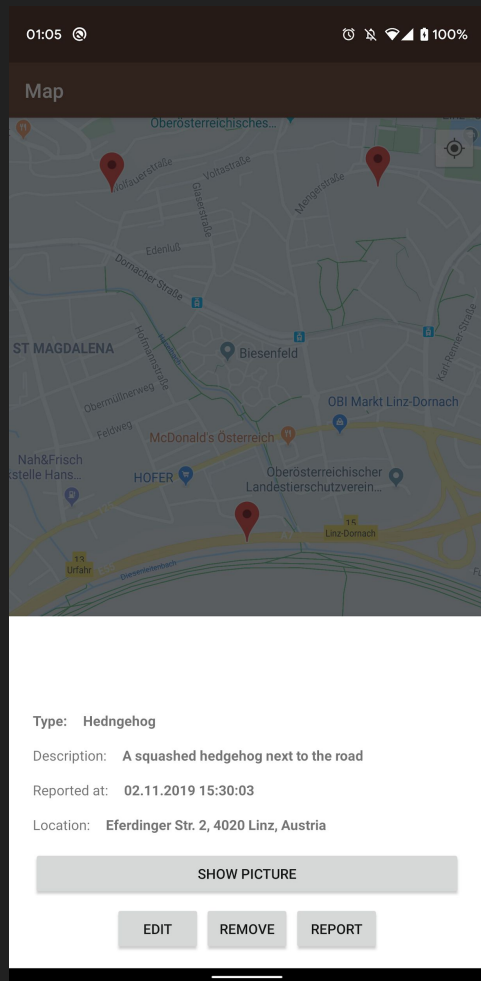Provide Button to report new location

First sketch

On clicking a map marker:

- Give more details about the dead animal
- Provide possibility for editing information
- Report abuse or false information
- See picture about incident
- Edit existing information

Similar dialog for reporting new locations

Related work

Roadkill (https://roadkill.at/en):

- About animals killed on the road only
- About statistics and data collection
- Account required
- No direct contact to authorities
- International
- Markers do not get removed

Schedule

- December 04 - first prototype
- December 11 - Mock-up presentation
- January 01 - working demo
- January 08 - progress discussion
- January 22 - release candidate
- January 29 - final presentation

Thank you

References and further reading:

- https://developer.android.com/studio (Android Studio download site)
- https://developer.android.com/ (Development guidelines)
- https://developers.google.com/maps/documentation/android-sdk/start (Google maps integration)
- https://www.tutorialspoint.com/android/index.htm (Further android development tutorials)
- https://console.developers.google.com/ (getting an API key for Maps)