

Data-Driven Social Distancing

To fight Covid-19 pandemic

PROBLEM

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The decisions about nationwide social distancing are often political and created on the basis of different growth scenarios and predictions. Most of these decisions are based on estimates and lack sufficient real-time data.

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This is essentially of how the East Asia Countries have been able to control the Corona outbreak without putting everyone in social isolation, which is happening increasingly in Europe.

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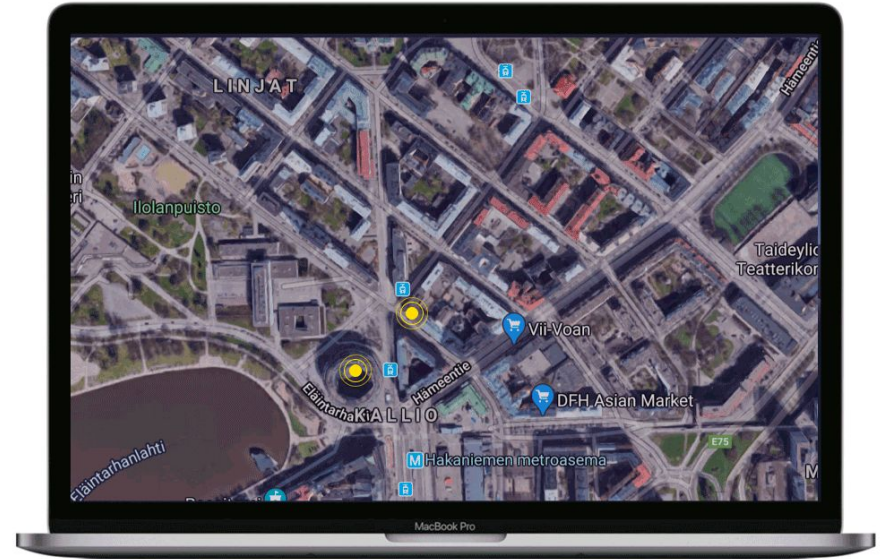
With data driven social distancing, we could track down the infection chains and risk areas. Risk spots would be closed down which would lead to quicker recovery from the pandemic.

PRODUCT

Two-sided platform for professionals and citizens affected by quarantine/social distancing

Software for governmental officials and healthcare sector: making the risk hotspots and people's movements visible for officials

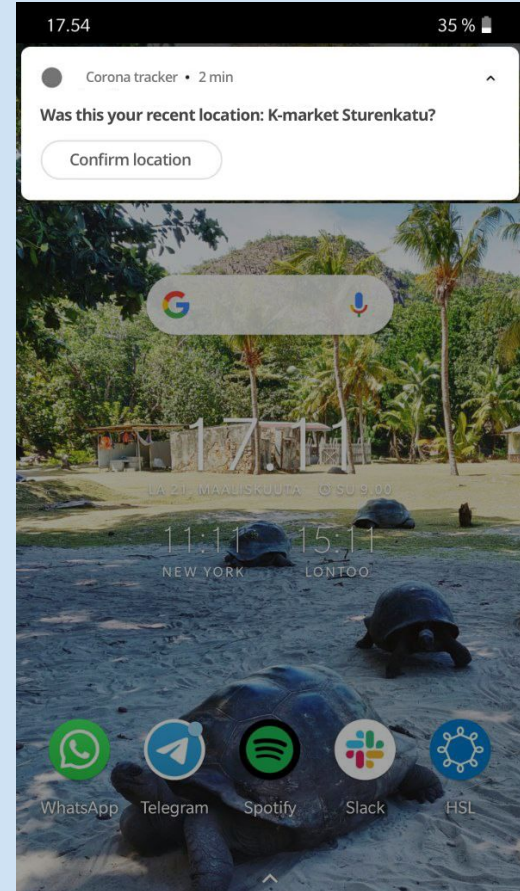
This visual data would be used in social distancing decision making



PRODUCT

Native app where you allow your location and tag places where you have been outside home

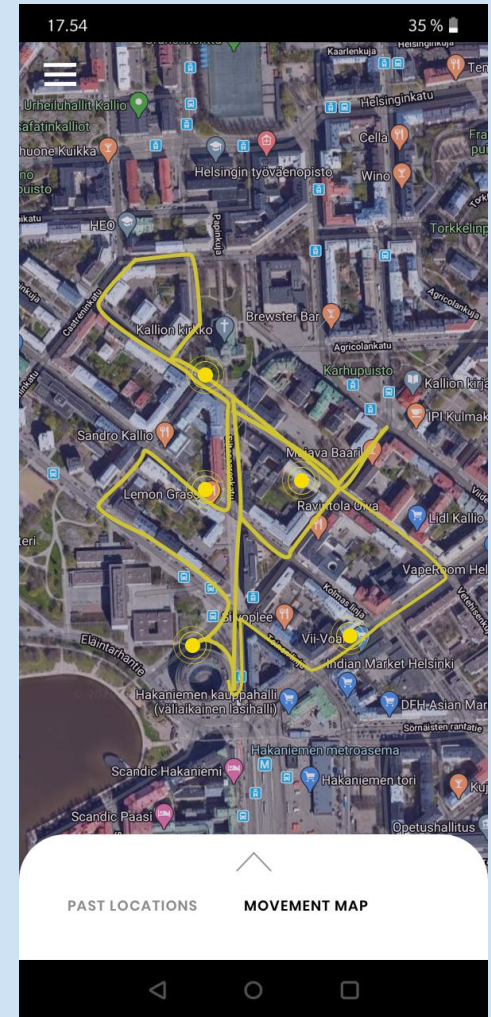
Tagging locations outside home based on automatic suggestions



PRODUCT

Why would you tag your locations? To protect you neighbors, friends, family, community

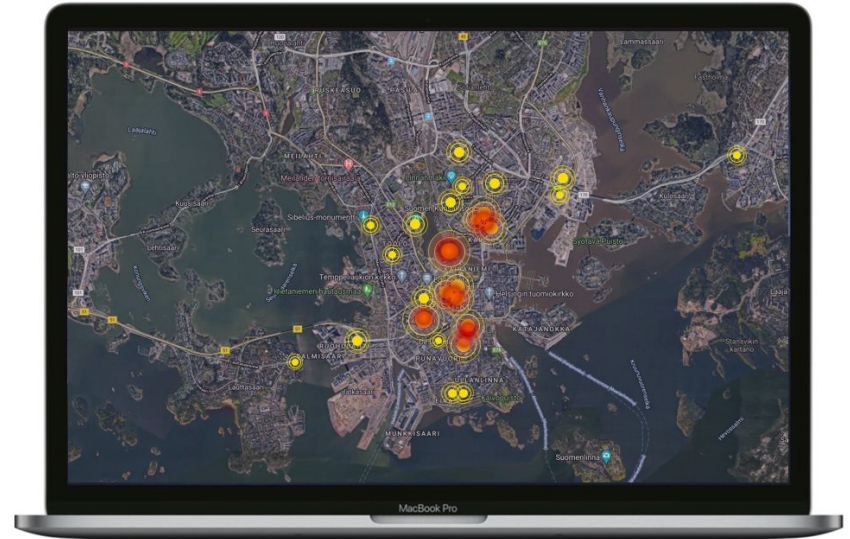
We need to know where people are moving. This could help keeping people safe as risk areas become visible



PRODUCT

Once some corona infections get confirmed, we can track the paths where people were moving before infection for 14+ days.

This allows officials to notice where are risk hotspots and infection paths

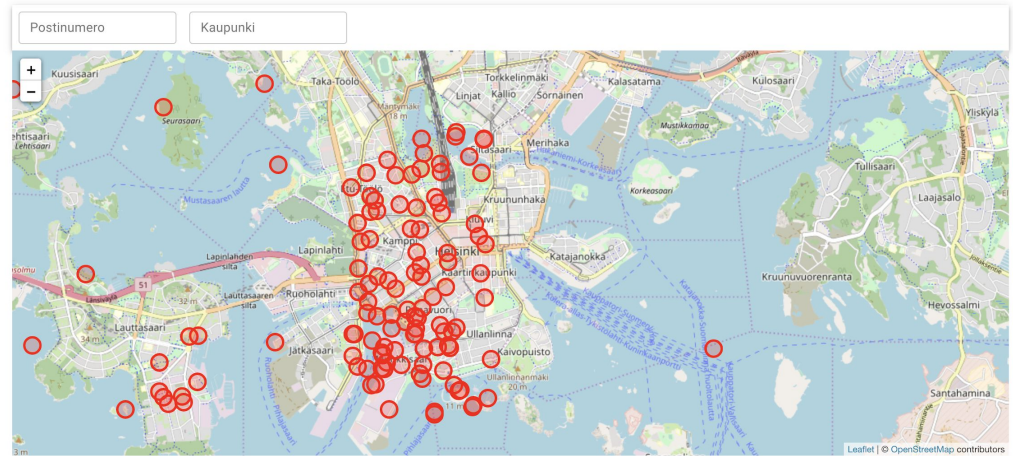


TECHNICAL DETAILS

React Native Application that uses
Google's Firebase Mobile Platform

Uses Google's Places API to get the
locations, Firestore for database and
Cloud functions for push notifications

Tartunnat kartalla



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Once we know where the virus and risk areas are, we can target actions effectively.

This should be the main strategy in fighting corona pandemic since total lockdown for up to 18 months is not sustainable, neither socially nor economically

TEAM

Kalle
Joonas
Nina
Miika
Pinja
:)

THANK YOU!