

COSMOS

Covid-19 spread monitoring system

<http://app.track-covid19.info>

Worldwide spread of Coronavirus

Number of people infected



Source: trackcorona.live

Lives lost



Source: trackcorona.live

Problems



Time

Authorities only know the extent of the virus spread when patients visit the hospital.



Panic

People panic due to lack of information and fear of safety of the loved ones.



Complete Lockdown

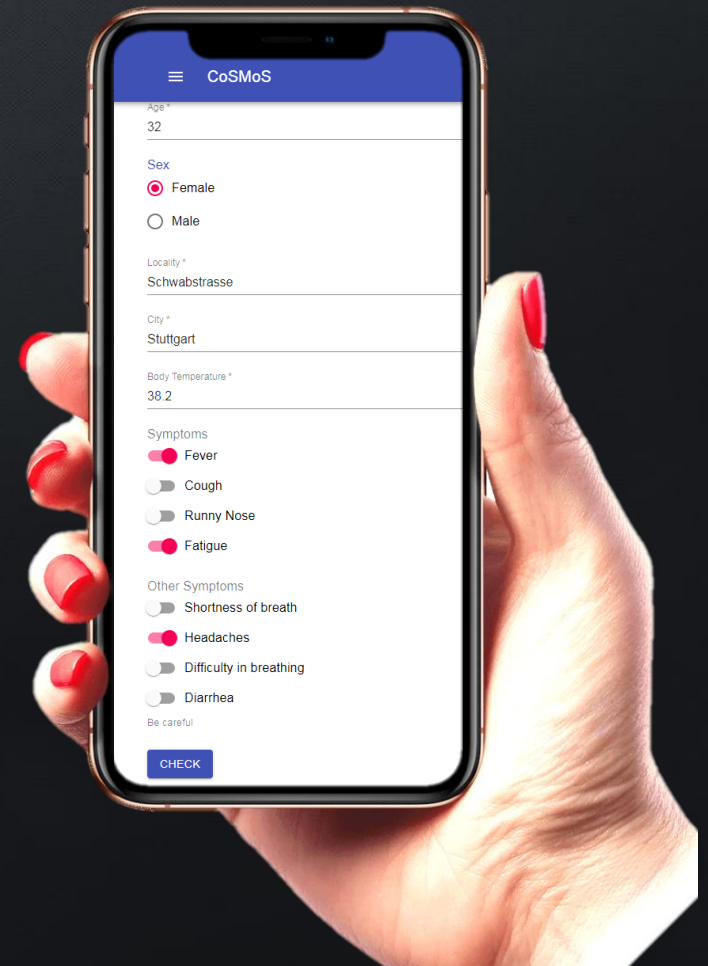
Without the knowledge of the infected person and their contact points, complete lockdown is necessary.

Solution

Covid-19 Spread Monitoring System (CoSMoS)

Universal Track & Trace System

- Real-time risk estimate of user's health condition.
- Tracing the user with severe symptoms.
- The user and the authorities both are notified at the same time.
- Formation of hotspot on village-to-village level.



How it works

User input The user provides data about his/ her symptoms

Estimate The app estimates the risk of infection in user

Indicate The authorities are informed about the user with severe risk in real-time.

Monitoring Dashboard

Stuttgart

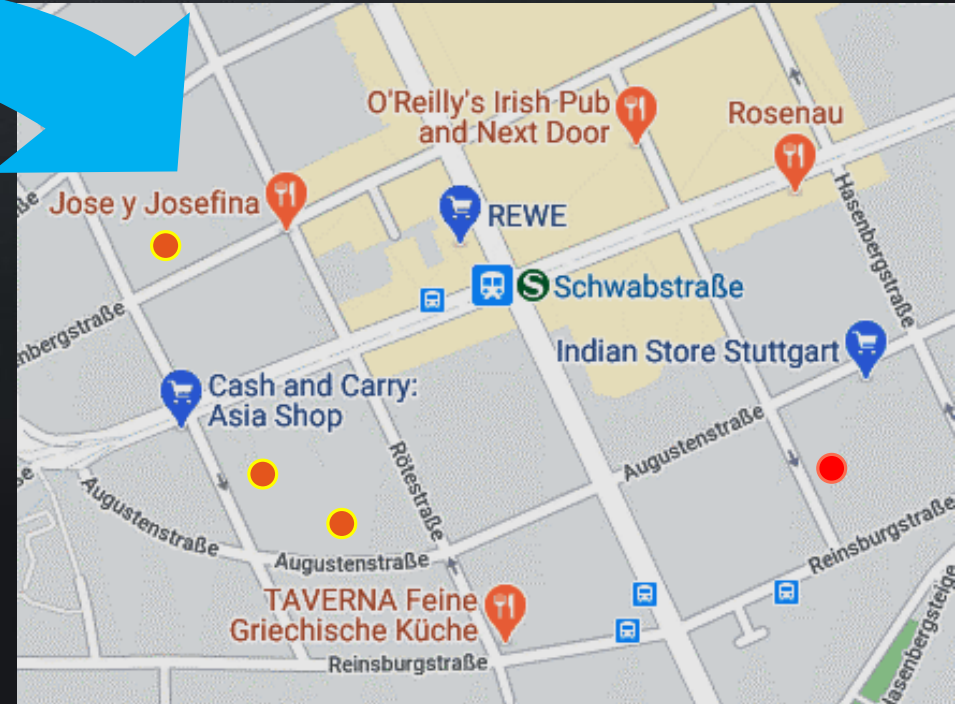
Schwabstrasse

Confirmed cases

845

People with symptoms

156



User's condition

● Normal

● moderate

● Severe

Business model

Software as-a-service on a monthly subscription

We will charge the city municipality for the services we will provide.

Per city charge: 10,000€*

*Based on the economy and demography of the region.



Technology

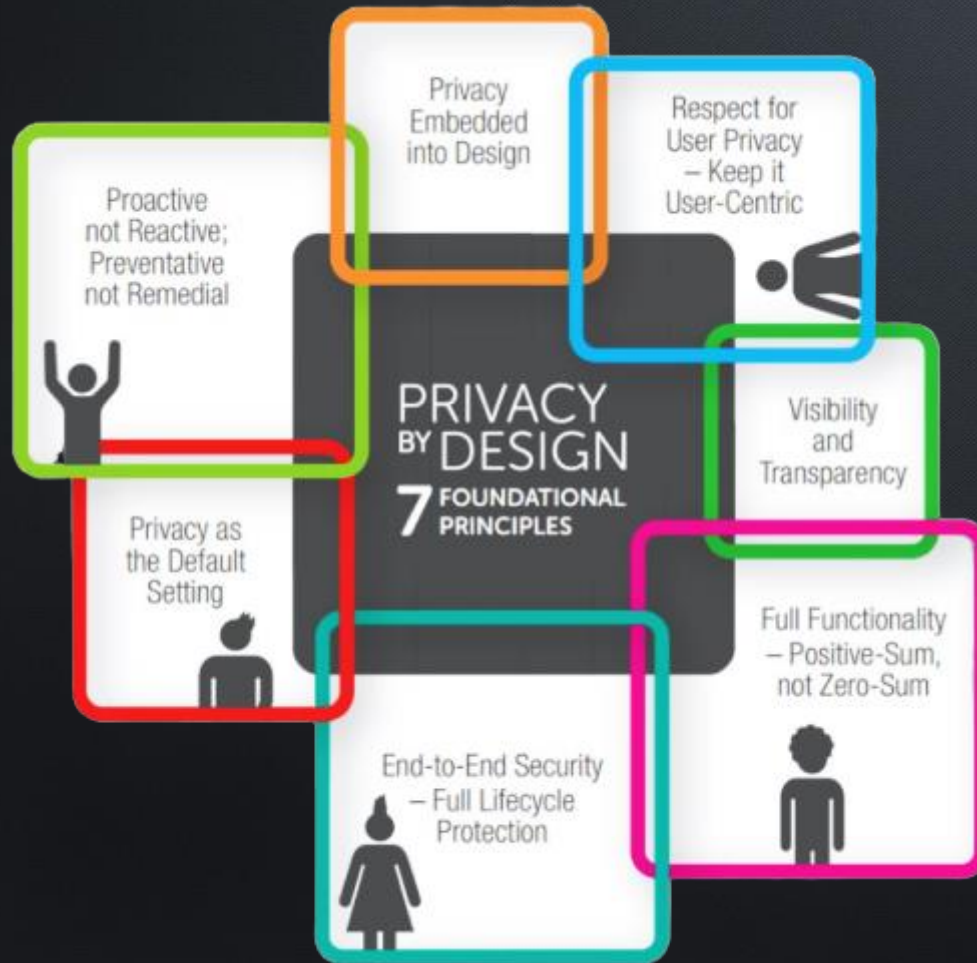
**AI powered
recommendation**

**Google based heat-
maps in real-time**

**Bluetooth API for
tracing the users**

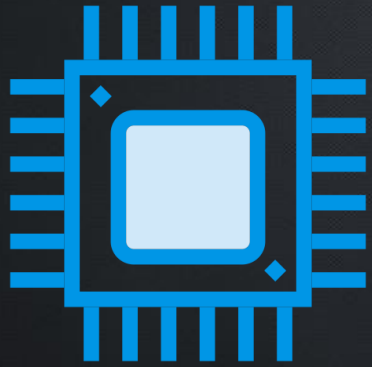
- The app does not require any private information of the users.

Privacy



- Self-identification with biometric analysis.
- Encrypted user history is stored on the device itself.
- In case of severe risk, the data is stored and shared in pseudonymized form with the trusted federal & local health authorities.
- The hospitals and clinical centers only receive the aggregate visuals.

What we offer



User app



**Monitoring interface
for authorities**



**Scalable cloud
solution for faster
scaling**

Competitive advantage



First to market

For real-time track and trace system.



Unique product

Real-time analysis and heat-map generation.



Secure & Easy to use

One click solution and easy to keep track of the analytics.

Social and economic Impact

CoSMoS is a tool for the relevant authorities to monitor the spread of the virus on village-to-village level so that quick and decisive action can be taken to limit the spread of virus.

- Evaluate necessary of diagnosis by estimating risks in users at large scale
- Keep track of the possible infected individuals and their last contacts
- Monitor the spread and identify the hotspots on village and town level
- Notify the hospitals in the region with possible increase of cases to manage logistics
- Selective lockdown in the regions with increased no of individuals at risk and of their contacts

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info@track-covid19.info

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