

## Containment Zone Alert Application

An application that is intended to provide information about containment zones in a particular region by alerting people, through continuous monitoring of an individual's location. Key benefits of the application are monitoring people's activity and alerting them of their safety movements.



## PROBLEM

How might we alert people of Covid Containment Zones?

## Solution Requirement

The project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. Location of the individual must be stored in the Database. Alerts are sent using the notification service.

### Features

### Admin App (portal):

The project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. Location of the individual must be stored in the Database. Alerts are sent using the notification service.

### User App (Mobile App):

The app should have a user registration and login. After the user logged into the app it will track the user's location and update the database with the current location. If the user is visiting the containment zone he will get an alert



### **Brainstorm**

Write down any ideas that come to mind that address your problem statement.

① 10 minutes

# Karthickeyan

Tracking client by using	Collecting affected person	Alerting user while entering
geofence algorithm	location details	contaminated zone
aigontinii	uetans	ZOTIC
Indicating case counts to the users	Collecting virus data's	Collecting & storing information on cloud
Creating	location services gets	It shows the symptoms and

# Chandni

reconstructing medical data	Acquiring geo-location details of users	Creating 24/ 7 service provider
Suggesting the prevention measures	Suggesting nearby hospital location	Giving tips for mental ftness
In order to collect all hospitals data's connection should be established	Indicating symtoms & Way to contact after affected	Fetching data's from cloud

## Vaanmathi

Include a Referral Program	Don't require personal info unnecessarily	Instant alert delivery
Hashing of passwords	Have a news feed with current COVID statistics	Allow user to store search data
Support for almost all devices irrespective of android version	What if location service fails?	Getting user feedback

### Rishi visvas

Privacy concerns	What if phone runs out of battery?	Allow user to see live COVID statistics
Allow users to Recommend the app	Focus on performance improvements	Overcome Latency Factors
Test the app throroughly	Frequent Updates & Bug Fixes	How does it replace other priorly existing app?

### Group ideas

Use this space to group similar ideas from the brainstorm. Each group should have a title that describes what the ideas have in common. If a group is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

① 20 minutes

## SPECIAL FEATURES

# LOCATION

for transport

color grading to mark zones

# DATA USAGE

## DATA COLLECTION

medical data

# ALERTS

Alerting user while entering contaminated zone

Indicating

on cases got

Giving Tips when user on isolation zones

symtoms & Way to contact after affected

Indicating to the user



### **Prioritize**

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

① 20 minutes

