

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.

PROBLEI

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):

They should login to the app and update the containment zones locations in the portal. Based on the location a Geofence will be created within a 100 meters radius. They should be able to see how many people are visiting that zone.

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 notification.

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Brainstorming

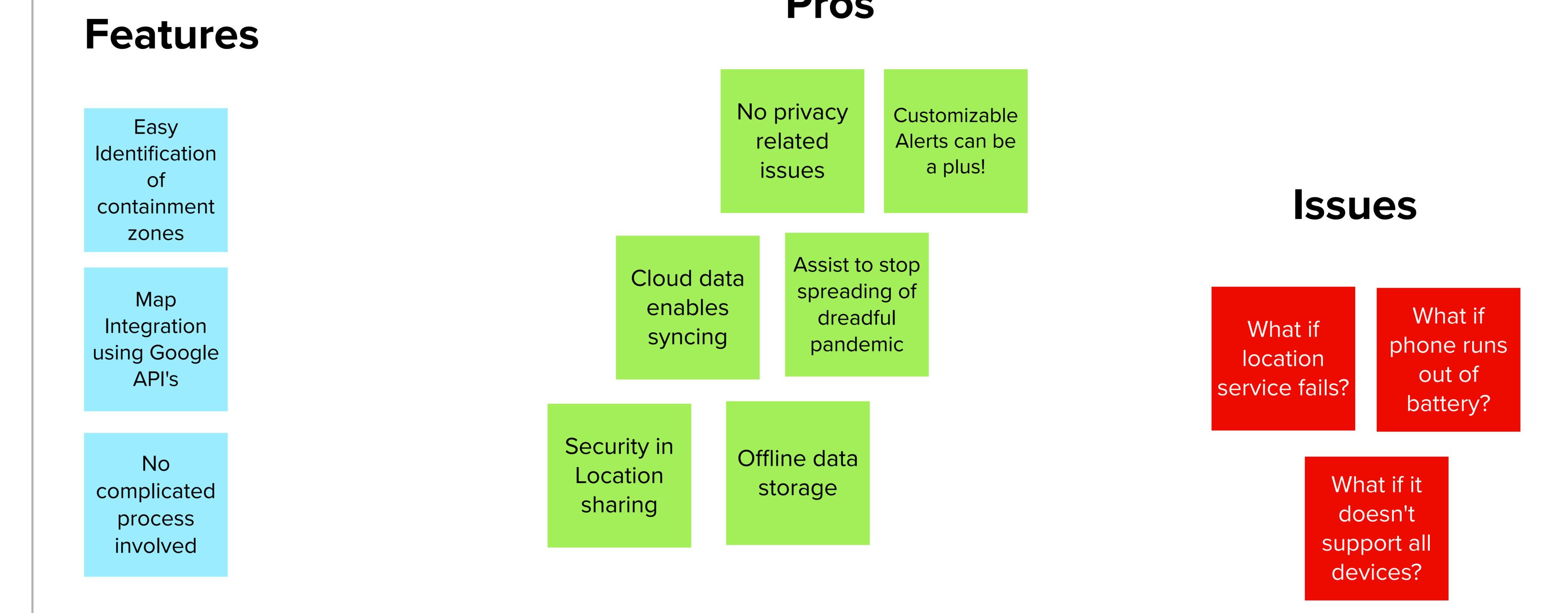
Ideas that came to our mind that address our problem statement.

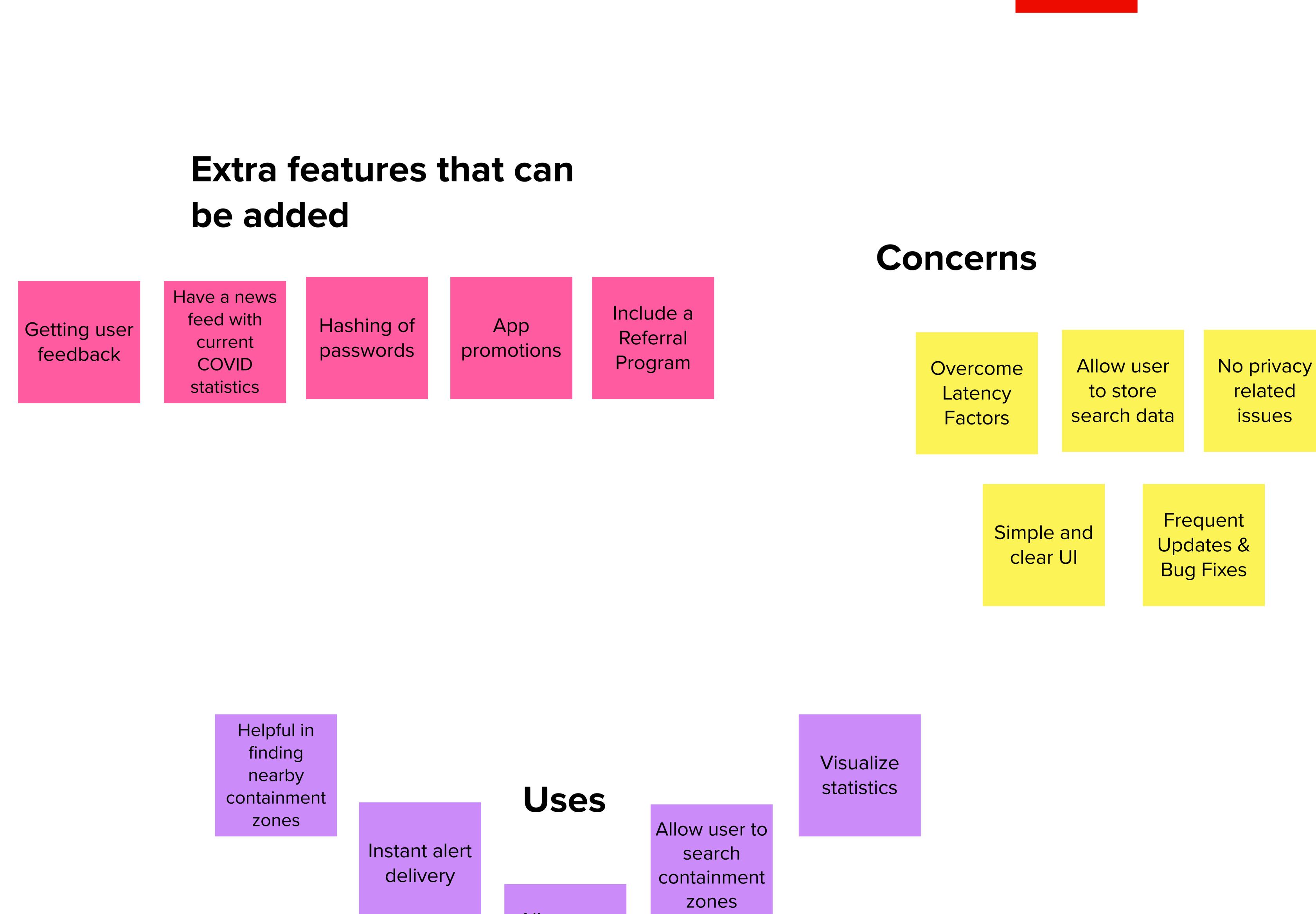


Grouping of ideas

Each group is a collection of similar ideas from the brainstorm that has a title which describes what the ideas have in common.

Manikantan R V Map Integration using Google API's Customizable Alerts can be a plus! Get Data from Open Source API's No complicated process involved No privacy related process involved Security in Location sharing Cloud data enables syncing of flexibility Automate syncing for flexibility Assist to stop spreading of dreadful pandemic What if it support all devices? Notifications to avoid entering the red zone is provided Allow user to search containment Self explanatory Ull Lively Interface in a pannable Visualize statistics Offline data storage Interactive map for containment







Priorities

An importance - feasibility graph about what's important moving forward.





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Jebas Winston E

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
Encourage users to install app	Observe changes impacted	Support provision will be generous

Rishi P

