Ideation Phase

BRAINSTORM & IDEA PRIORITIZATION

Containment Zone Alert Application

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CONTAINMENT ZONE ALERT APPLICATION
Brainstorming & Idea Prioritization

Date	14 September 2022
Team ID	PNT2022TMID37391
Project Name	Project - Containment Zone Alert Application
Maximum Marks	4 Marks

Brainstorming is a method of generating ideas and sharing knowledge to solve a particular commercial or technical problem, in which participants are encouraged to think without interruption. Brainstorming is a group activity where each participant shares their ideas as soon as they come to mind.

Brainstorming creates an open and welcoming environment in which everyone in a team is invited to take part in the analytical thinking process that leads to problem resolution. Prioritizing volume over value, unconventional ideas are welcomed and developed upon, and all participants are encouraged to contribute, assisting each other in developing a wealth of creative solutions.

Containment Zone Alert Application – Brainstorming & Idea Prioritization

Step-1:

    Team Gathering, Collaboration and Selecting the Problem Statement Step-2:

    Brainstorming, Idea Listing and Grouping Step-3:

Idea Prioritization

Team Gathering, Collaboration and Selecting the Problem Statement

1

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):

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.

Brainstorming, Idea Listing and Grouping

2

Brainstorming

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

AMJATH M

Map Integration using Google API's	Customizable Alerts can be a plus!	Get Data from Open Source API's
Security in Location sharing	Cloud data enables syncing	Automate syncing for flexibility
Allow user to search containment zones	Self explanatory UI	Lively Interface in a pannable view

FARDEEN M

Easy Identification of containment zones	No complicated process involved	No privacy related issues
Assist to stop spreading of dreadful pandemic	What if it doesn't support all devices?	Notifications to avoid entering the red zone is provided
Visualize statistics	Offline data storage	Interactive map for containment zones

SYED SULAIMAN SAIT H

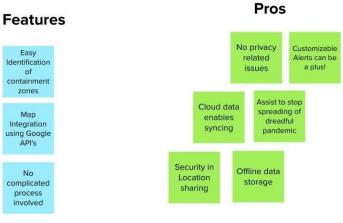|		
Privacy concerns	What if phone runs out of battery?	Allow user to see live COVID statistics
Allow users to Recommend the app	Focus on performance improvements	Overcome Latency Factors
Encourage users to install app	Observe changes impacted	Support provision will be generous

AHAMED BASHA K K

App promotions	Simple and clear UI	Real time alerts
Test the app thoroughly	Frequent Updates & Bug Fixes	How does it replace other priorly existing app?
Helpful in finding nearby containment zones	Precision of User Flows	Let the users feel the functions visually

3

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.

Pros

Features

- Easy Identification of containment zones
- Map Integration using Google API's
- No complicated process involved

Pros

- No privacy related issues
- Customizable Alerts can be a plus!
- Cloud data enables syncing
- Assist to stop spreading of dreadful pandemic
- Security in Location sharing
- Offline data storage

Issues

- What if location service fails?
- What if phone runs out of battery?
- What if it doesn't support all devices?

Extra features that can be added

- Getting user feedback
- Have a news feed with current COVID statistics
- Hashing of passwords
- App promotions
- Include a Referral Program

Concerns

- Overcome Latency Factors
- Allow user to store search data
- No privacy related issues
- Simple and clear UI
- Frequent Updates & Bug Fixes

Uses

- Helpful in finding nearby containment zones
- Instant alert delivery
- Allow user to store search data
- Allow user to search containment zones
- Visualize statistics

Idea Prioritization

4

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

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

- Allow user to search containment zones
- No privacy related issues
- What if it doesn't support all devices?
- Helpful in finding nearby containment zones
- Easy Identification of containment zones
- No complicated process involved
- Cloud data enables syncing
- Map Integration using Google API's
- Instant alert delivery
- App promotions
- What if phone runs out of battery?
- Visualize statistics
- Assist to stop spreading of dreadful pandemic
- What if location service fails?
- Hashing of passwords
- Overcome Latency Factors
- Getting user feedback
- Simple and clear UI
- Customizable Alerts can be a plus!
- Have a news feed with current COVID statistics
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- Allow user to store search data
- Allow user to store search data
- Security in Location sharing
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- Offline data storage

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)