

# CONTAINMENT ZONE ALERTING APPLICATION

## PROJECT DESIGN PHASE 1

### SOLUTION ARCHITECTURE

**Team ID : PNT2022TMID35197**

#### **Team Members**

Team Leader : KARTHICKEYAN E

Team member : CHANDNI G

Team member : RISHI VISVAS T S G

Team member : VAANMATHI S

#### **Problem Statement:**

Create an application to indicate Containment Zone Alert.

#### **Problem Statement Description:**

This application 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.

#### **Solution Architecture:**

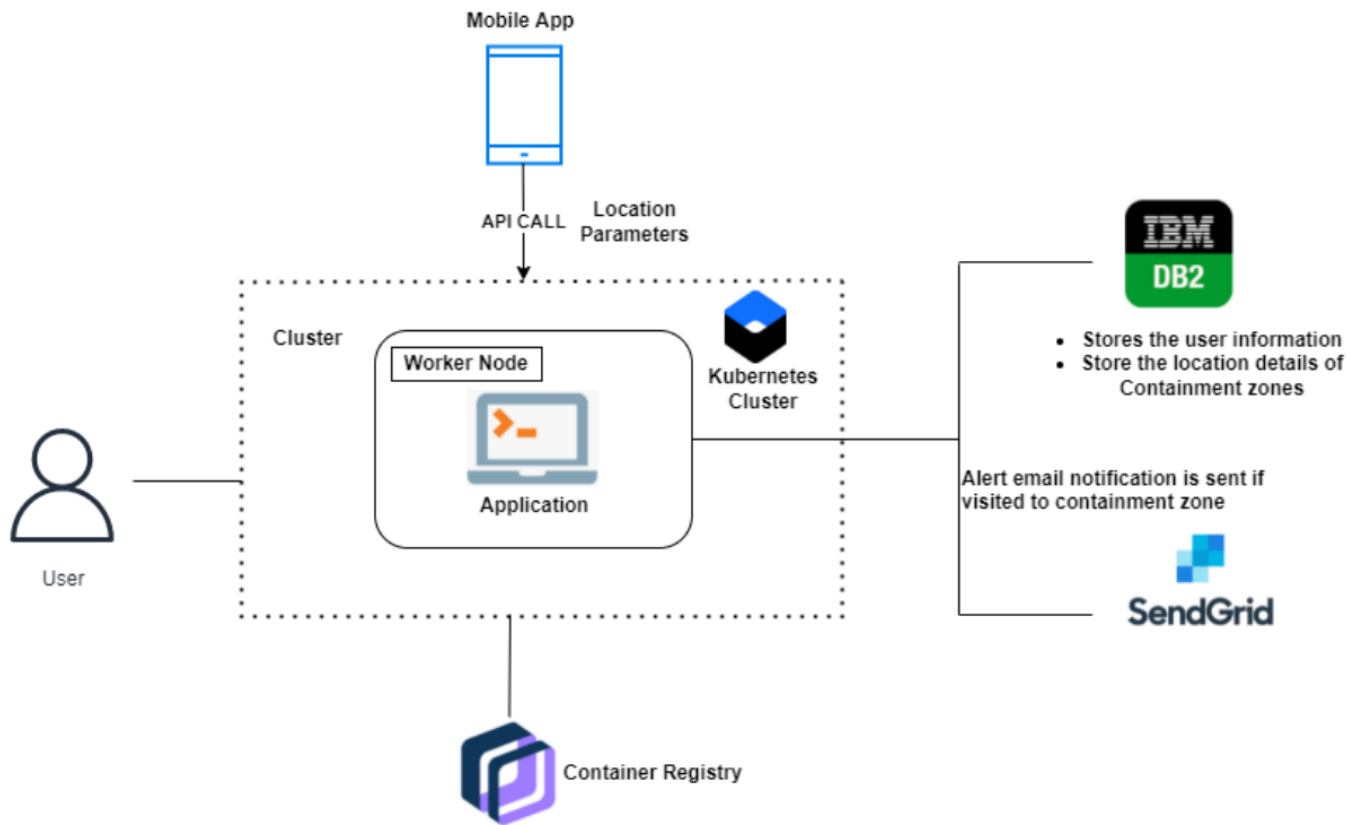
Solution Architecture is a complex process with many sub processes that bridges the gap between business problems and technology solutions. The project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. The location of the individual must be stored in the Database. Alerts are sent using the notification service.

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. They should login to the app and update the containment zone's 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.

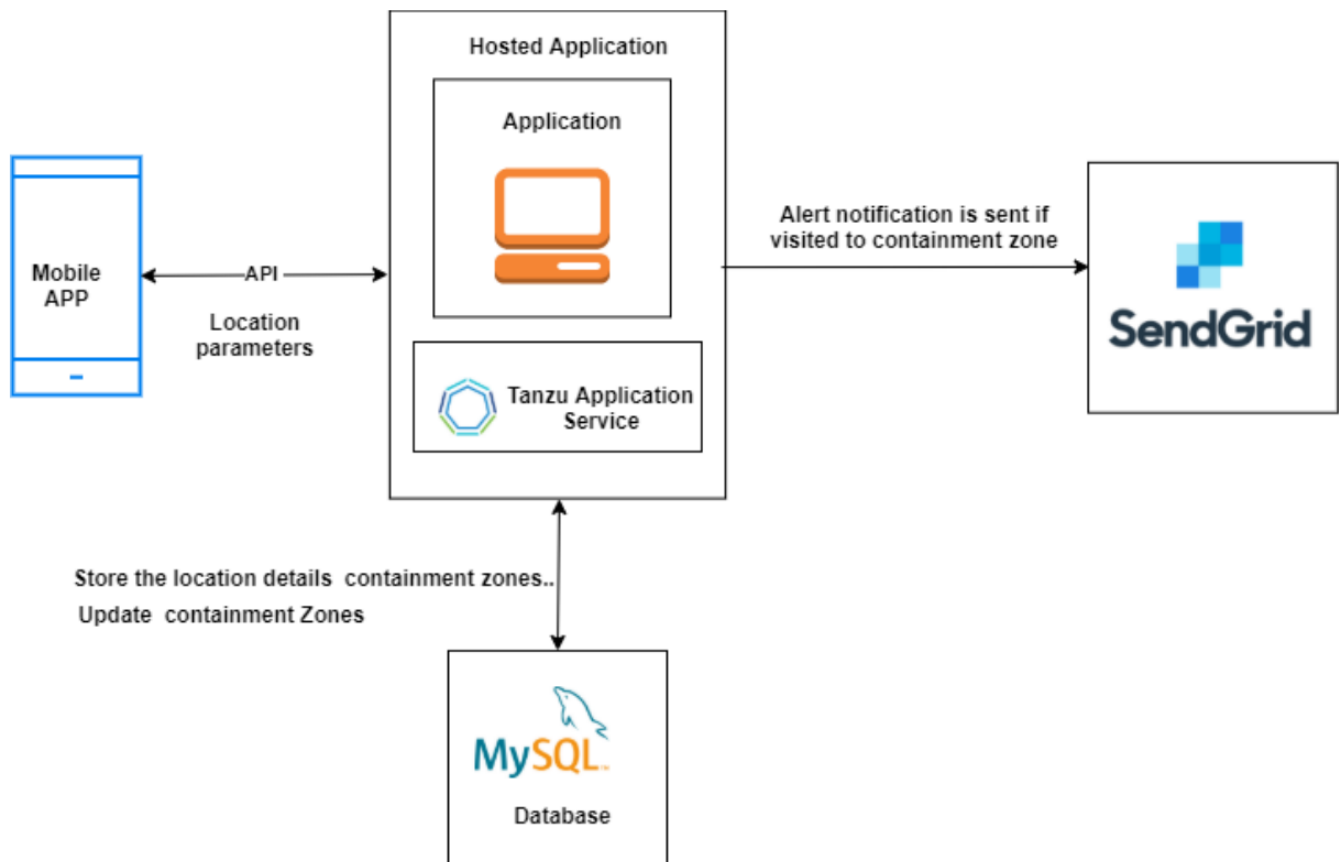
Its goals are:

1. Find the best tech solution to solve existing problems.
2. Describe the structure, characteristics, behavior and other aspects of the software the project takes holders.
3. Define the features, development phases, and solution requirement.
4. Provides specification according to which the solution is defined, managed and delivered.

## Solution Architecture Model 1:



## Solution Architecture Model 2:



## Solution Architecture Diagram:

