

Project Design Phase-1

Proposed Solution

Date	15 October 2022
Team id	PNT2022TMID45996
Project	Containment Zone Alerting Application

PROJECT IDEA

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 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 OF THE APPLICATION

- Admin app (Portal)
- User app (Mobile app)

ADMIN APP (PORTAL)

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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.

PROPOSED WORK

The android application shows the location of the containment zones to the users .It also notifies the user when he or she trespasses the boundary of a containment zone or stays in the containment zone. All these functionalities are achieved by the help of skills.

The application was developed using skills are flask, Container, Watson Assistant, DB2 database ,object storage ,Kubernetes ,Cloud foundry,Container Registry. For web development HTML ,CSS ,JavaScript was used.