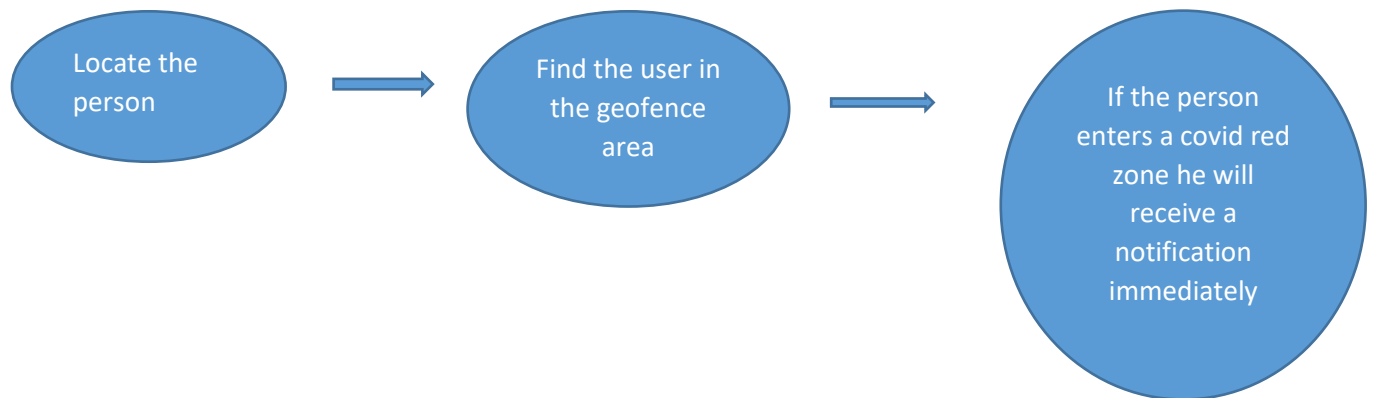


Identify the Location of a person and finding the person is in a Covid Red zone.

Problem to be solved: Notify the user when they enter a covid red zone and Avoid spread of Covid19

Overview:



Data source used:

- Webhook relay which is attached with the application in user mobile and webhook node in the node red
- Webhook node gets the location details and if the person arrives the geofence (Covid risky area) message will be sent to the mobile phone.
- Geofence is created in node red.

Planned usage of components

- Instead of Open source API we use webhook relay and the webhook node to get the location of the person.
- Webhooks are streamed over secure connections to node red.
- If the person is in a risky region the NODE MCU start to blink (this happens through Mosquito broker) and notification will be sent to mobile phone through http.

Features

- Whether the person is inside the geo fenced area or outside the geo fenced is notified along with the coordinates.
- The NODE MCU starts blinking when the person reaches the geo fenced area and stop blinking when he leaves the region.
- This can be even developed to analyze the crowd in a particular region and notify it to the user.

