

Algorithm for Social Distancing

For Smart Methods

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What is Algorithm?

Algorithms are not a programming language, but rather the methods of analysis and thinking that you must follow in order to be able to write the code correctly





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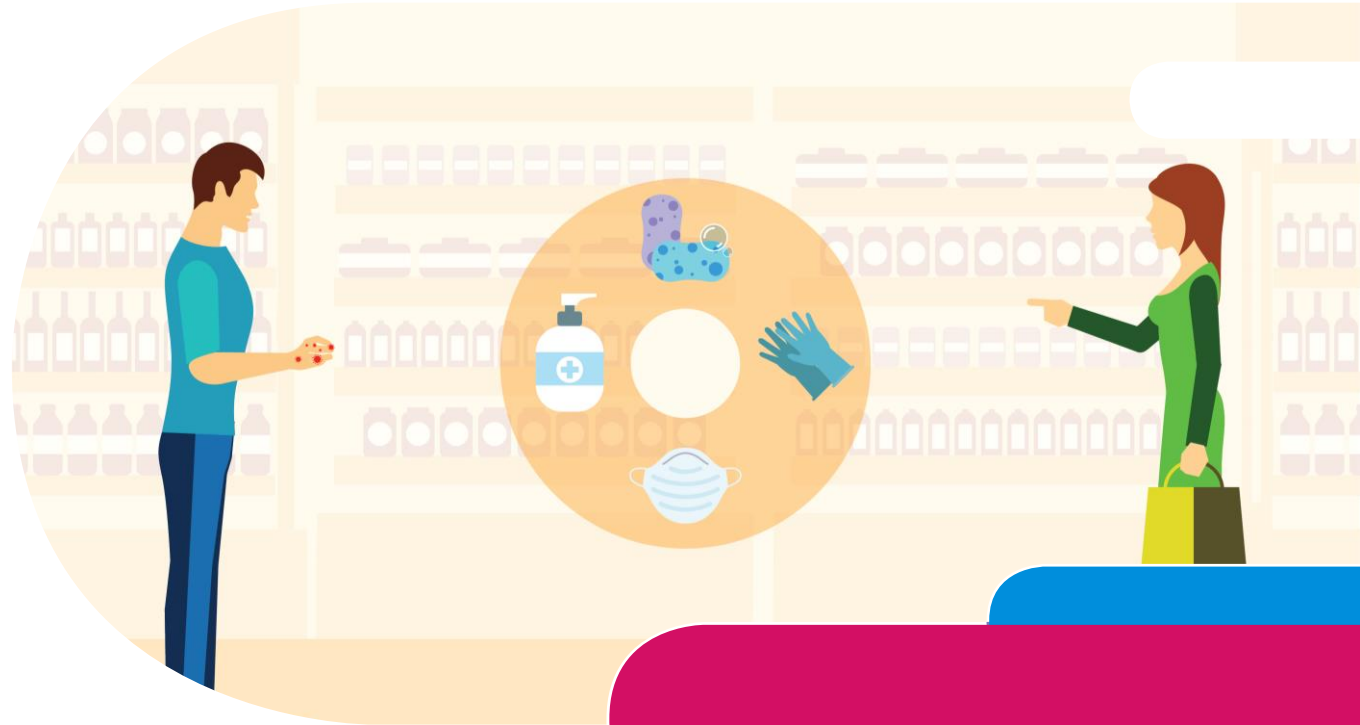
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Aim

The main goal is to write a robot algorithm

The Aim is to create a robot to be placed in the hall that will sound an alarm when people gather at a location in order to know the importance of social distance.



Technique



There is more than one technique we can use it, but I mention the most important technique from my point of view:

We will use Bluetooth beacons which is a hardware transmitters a class of Bluetooth low energy devices that broadcast their identifier to nearby portable electronic devices.

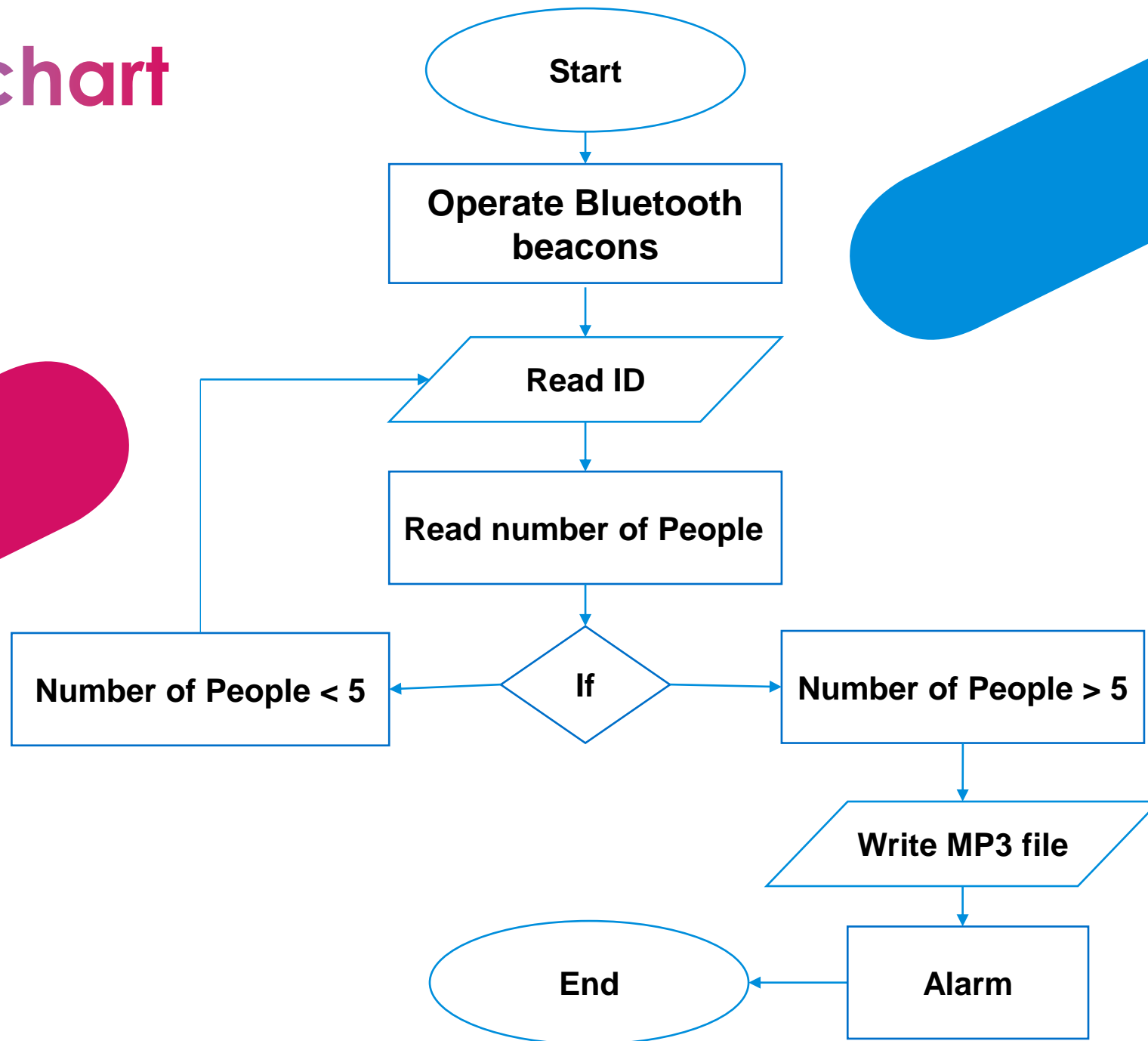
Bluetooth beacons will get information about a person's location and then send them alerts via mobile.



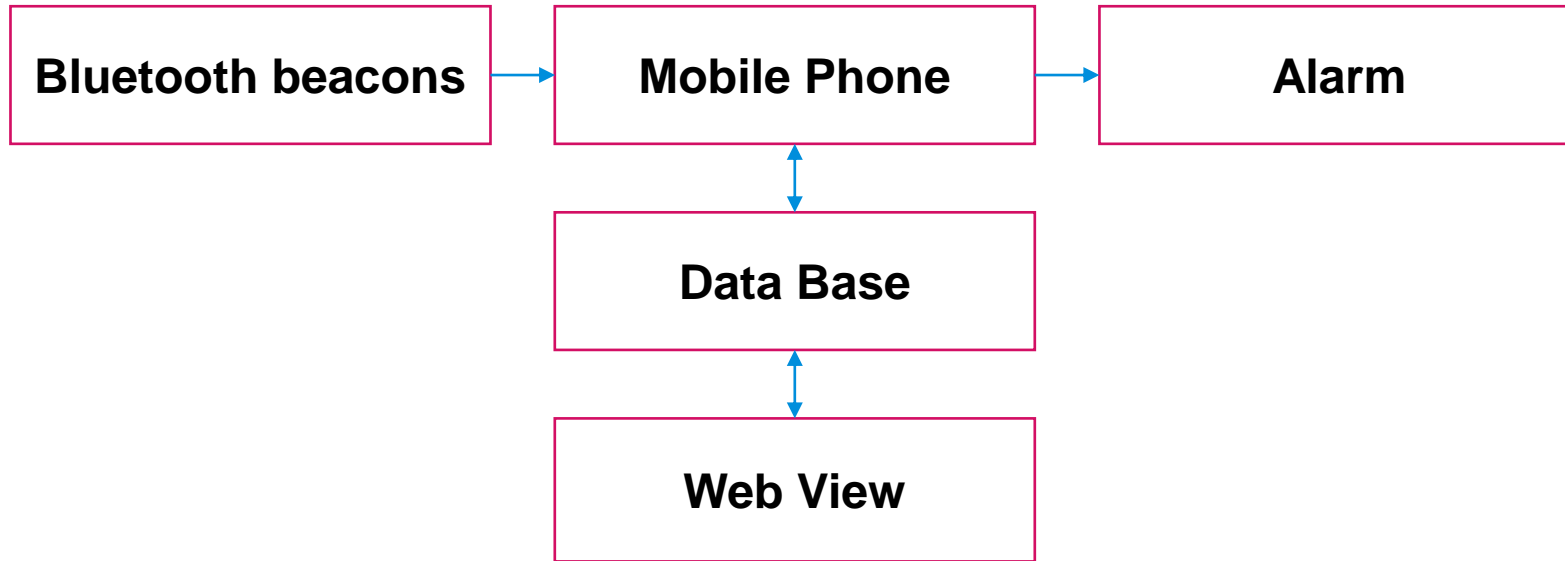
Meeting Room

The place where the robot will make a sound when people gather in one place

Flow chart



How to use The Technique?





Stages of work

1. First buy Bluetooth beacons
2. Programming the application on the mobile phone to know the ID number of the Bluetooth beacon
3. Do a Loop to find out then umber of Bluetooth bacon
4. Do if condition if the number at one point is greater than 5 people gives alarm
5. If the number with at one point is less than5 , he will count again
6. If something goes wrong, sends SMS
7. Need Database
8. Good Web view

THANK YOU!

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