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Crowd Alert!

GW

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**School of Engineering
& Applied Science**

THE GEORGE WASHINGTON UNIVERSITY

Problem Approach Tasks and Heart-humanity (PATH)

PROBLEM

The problem our group is tackling with is helping people to maintain social distance during the pandemic and what motivates our group is that we want to make sure everyone can have the ability to be safe.

APPROACH

Our group took the approach of using the Thinkable features and talking to our instructors.

TASKS


The tasks in the group were divided like this: Henry creating the rough draft of the app and then Marcela making changes and edits. Marcela and Henry both did the PATH statement and Marcela the final presentation.

HEART-HUMANITY

What we learned throughout the process is that solutions for problems can be created. This would benefit everyone in the world to social distance because it warns you of large crowds.

Project Details


Crowd Detection App



Upload Picture Take Picture

Loading...

Crowd Detection App



Warning: Crow Detected at 17:51
Be alert and wear a mask in this area

Upload Picture Take Picture

WARNING: Crow Detected With 100 % Confidence

Enable Text To Speech

```
when Home Starts
do
  from Map1 set Visible to false
  mapHome
```

```
to mapHome
in Location_Sensor1 call GetCurrentLocation
with outputs
  error
  latitude
  longitude
  location
then do
  from Map1 set Latitude to latitude
  from Map1 set Longitude to longitude
  from Map1 set Visible to true
```

```
to processPhoto with: photo
  from Map1 set Visible to false
  from Row2 set Background Picture to photo
  from CrowdNotifier set Text to "Loading..."
  in Image_Recognizer1 call Upload
  image photo
  with outputs
    tags
    description
    confidenceLevel
    error
  then do
    if
      does description contain "group of people" or does description contain "crowd"
    do
      from CrowdNotifier set Text to
        join "WARNING: Crowd Detected With "
        round up confidenceLevel x 100
        " % Confidence"
      setMarker
      from Map1 set Visible to true
      mapHome
    else
      from CrowdNotifier set Text to
        join "Crowd NOT Detected With "
        round up confidenceLevel x 100
        " % Confidence"
      mapHome
    if app textToSpeechEnabled
    do
      in Text_To_Speech1 call Speak
      text from CrowdNotifier get Text
```

Project details

If we were given an opportunity, we would promote our app by advertising it so that people know that this app exists. Also, we would promote it with people we know and ask for our friends and family to share it to their friends and family. This app could be really helpful for everyone right now.

<https://x.thunkable.com/copy/225aad21f39feca3d0e9c6a673055614>