Air Quality Monitoring

Development part -2

An application developed for air quality monitoring using MIT App inventor.

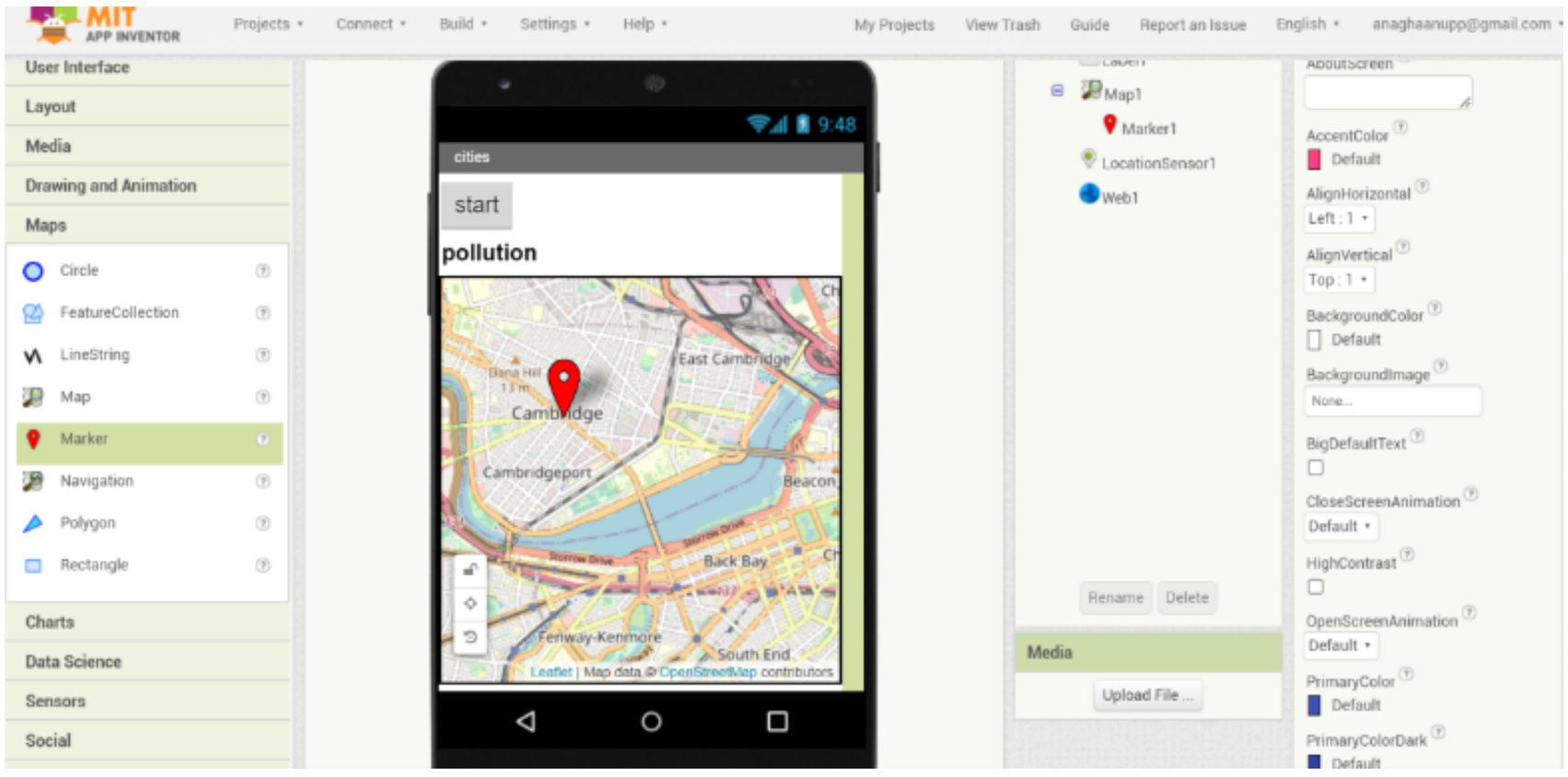
Application UI Design:

Create a clean and intuitive dashboard that displays real time air quality data.

Incorporate a map to show air quality at different locations. Display essential air quality metrics such as PM2.5, PM10, CO2 levels and AQI (Air Quality Index).

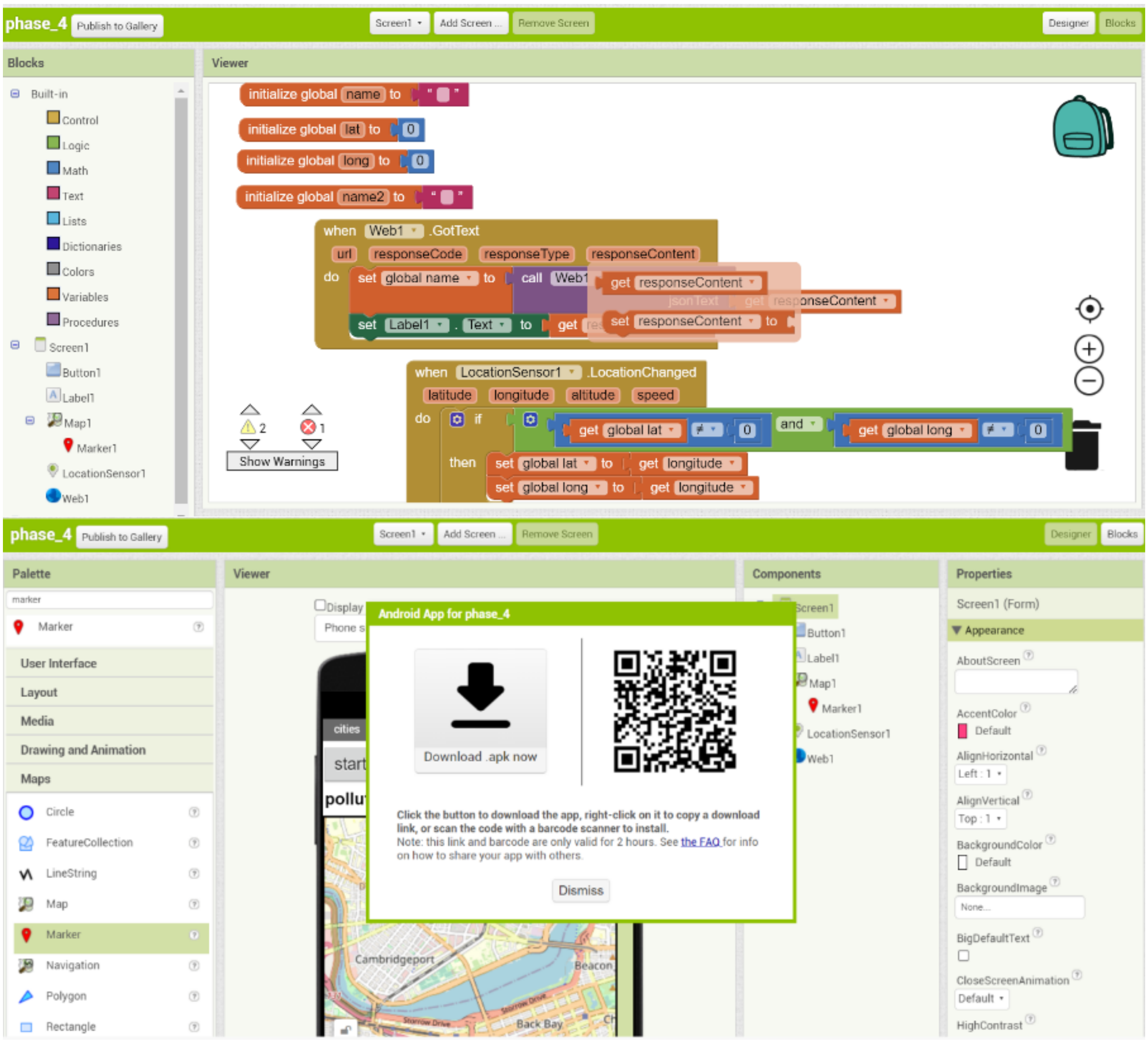
Allow users to select and save multiple locations for monitoring. Air quality forecast is offer a forecast feature to help users plan for future air quality conditions.

Let users create profiles, set preferences and customize their monitoring experience.



Application backend codes:

The code consists of a screen with an air quality sensor which shows the air levels from the source. The codes are given below:

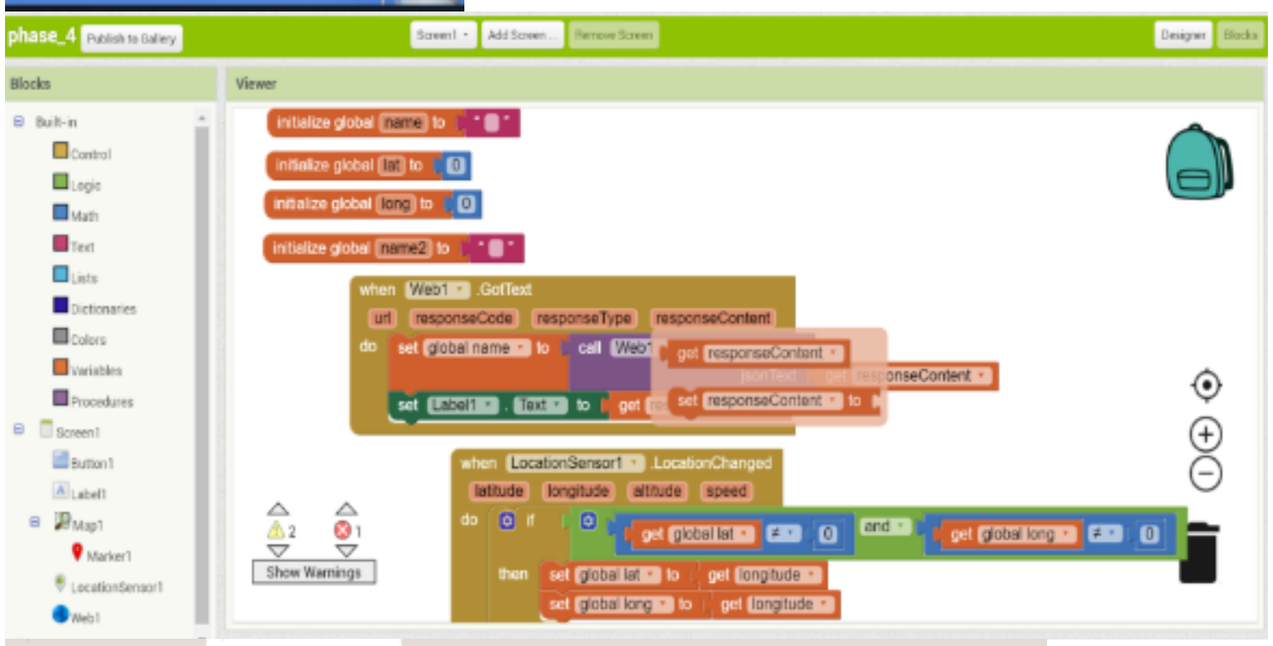


Working of application:

When the device senses the air ,it records the air level and send the quality measures to the application , and its shows

the air levels through the slider in the applications.


air quality
388


phase_4
Publish to Gallery
Screen1
Add Screen ...
Remove Screen
Designer
Blocks
Viewer
initialize global name to
initialize global lat to 0
initialize global long to 0
initielize global name2 to
when Web1 .GotText
url responseCode responseType responseContent
do set global name to call Web1
got responseContent
set responseContent to
set Label1 . Text to get
when LocationSensor1 .LocationChanged
latitude longitude altitude speed
do if get global lat ≠ 0 and get global long ≠ 0
then set global lat to get longitude
set global long to get longitude
Show Warnings

ai2.appinventor.mit.edu
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
phase_4
Publish to Gallery
Screen1
Add Screen ...
Remove Screen
Designer
Blocks
Viewer
do set Label1 . Text to
set Web1 . Url to join
get global lat
get global long
call Marker1 .SetLocation
latitude get global lat
longitude get global long
call Map1 .PanTo
latitude get global lat
longitude get global long
zoom 7
call Web1 .Get
Show Warnings
Privacy Policy and Terms of Use