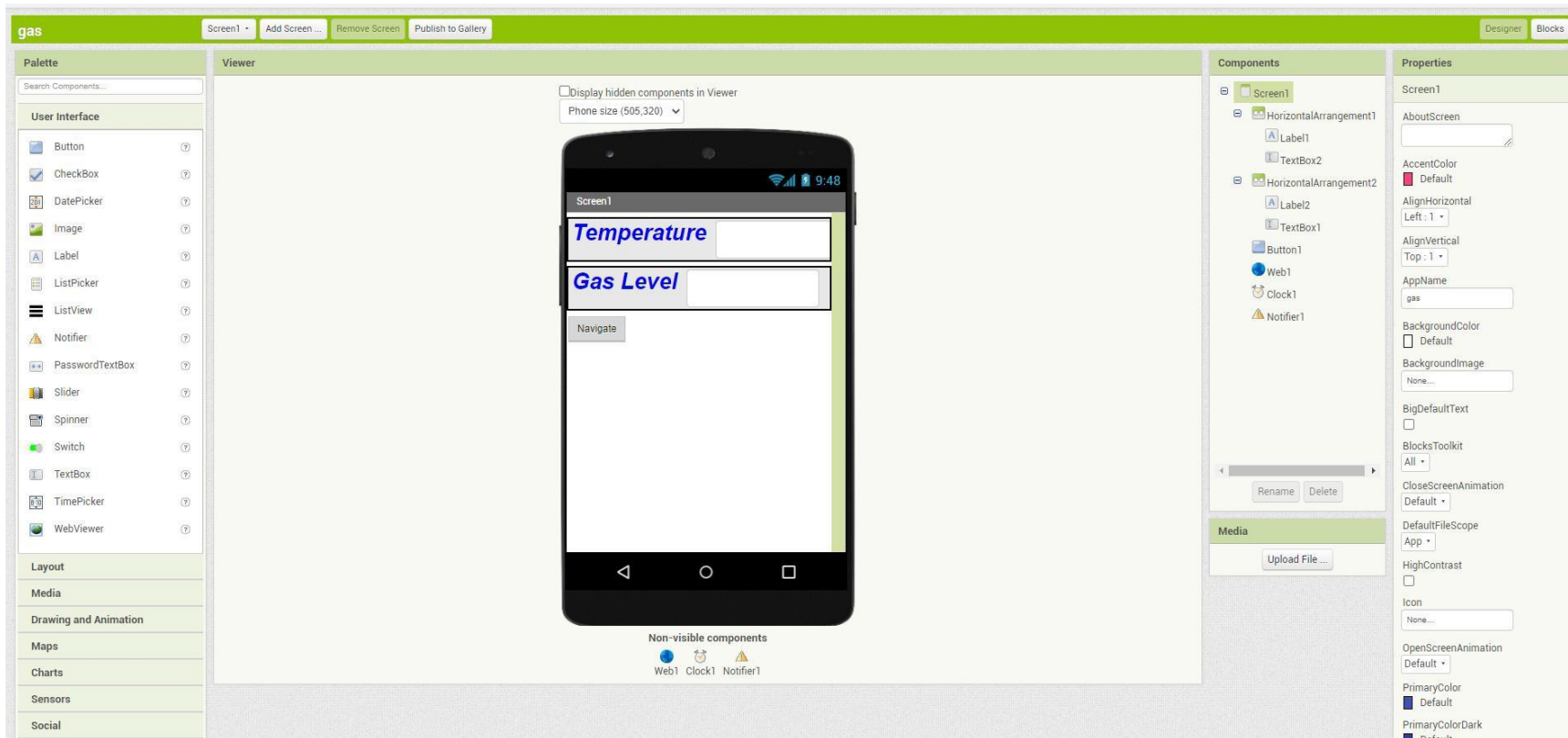


SPRINT4

Date	17 November 2022
Team ID	PNT2022TMID35759
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	20 POINTS

DISPLAYING THE VALUE FORM NODE RED TO MIT INVERTER APP



U&N Interface

Button

CheckBox

DatePicker

Image

Label

listPicker

ListView

Notification

PasswordTextBox

Slider

Spinner

Switch

TextBox

TimePicker

WebView

Screen1

Add Screen...

Remove Screen

Publish to Gallery

Screen1

Phone size(505,320) v

Temperature

midlty

Pressure

Gas Level

Components

Properties

Screen1

HorizontalArrangement1

Label1

Text80x1

HorizontalArrangement2

Label?

Text80x2

HorizontalArrangement3

Label3

Text80x3

HorizontalArrangement4

Label4

Text80x4

WebView1

AboutScreen

AccentColor

Default

AlignHorizontal

AlignVertical

Top.1

AppName

Background

DefaultText1

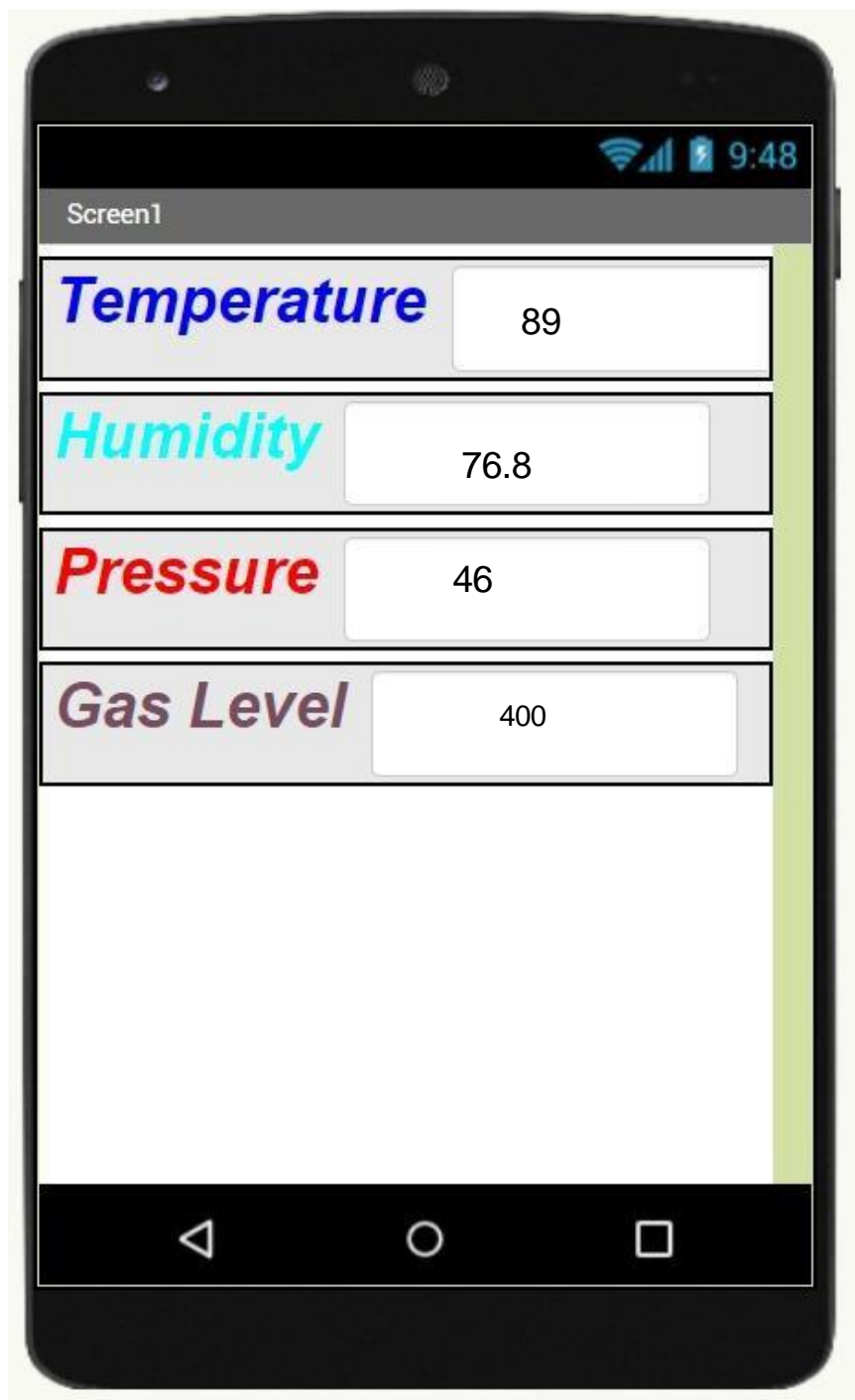
BlocksToolkit

Default

DefaultFiltScope

HighContrast

Icon



DISPLAYING THE LATITUDE AND LONGITUDE OF THE GAS LEAKAGE LOCATION IN MAP

gas

Screen2 • Add Screen ... Remove Screen Publish to Gallery

Designer Blocks

Search Components...

User Interface

Button

CheckBox

DatePicker

Image

Label

ListPicker

ListView

Notifier

PasswordTextBox

Slider

Spinner

Switch

TextBox

TimePicker

WebView

Layout

Media

Drawing and Animation

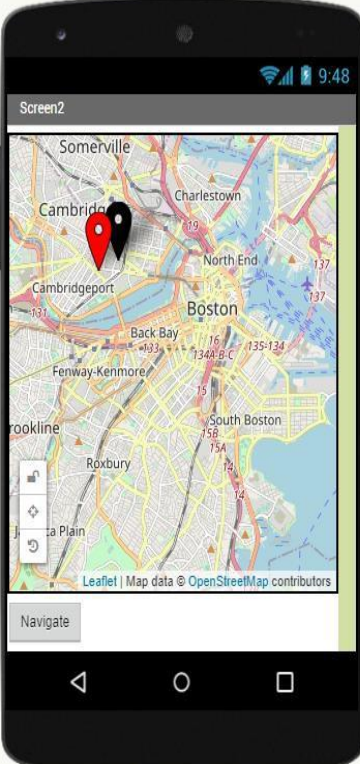
Maps

Charts

Display hidden components in Viewer

Phone size (505,320)

Screen2



Non-visible components

LocationSensor1 Navigation1 Web1 Clock1

Screen2

Map1

Marker1

Marker2

LineString1

Button1

LocationSensor1

Navigation1

Web1

Clock1

Rename

Delete

Media

Upload File ...

Screen2

AboutScreen

AlignHorizontal

Left: 1

AlignVertical

Top: 1

BackgroundColor

Default

BackgroundImage

None...

BigDefaultText

CloseScreenAnimation

Default

HighContrast

OpenScreenAnimation

Default

ScreenOrientation

Unspecified

Scrollable

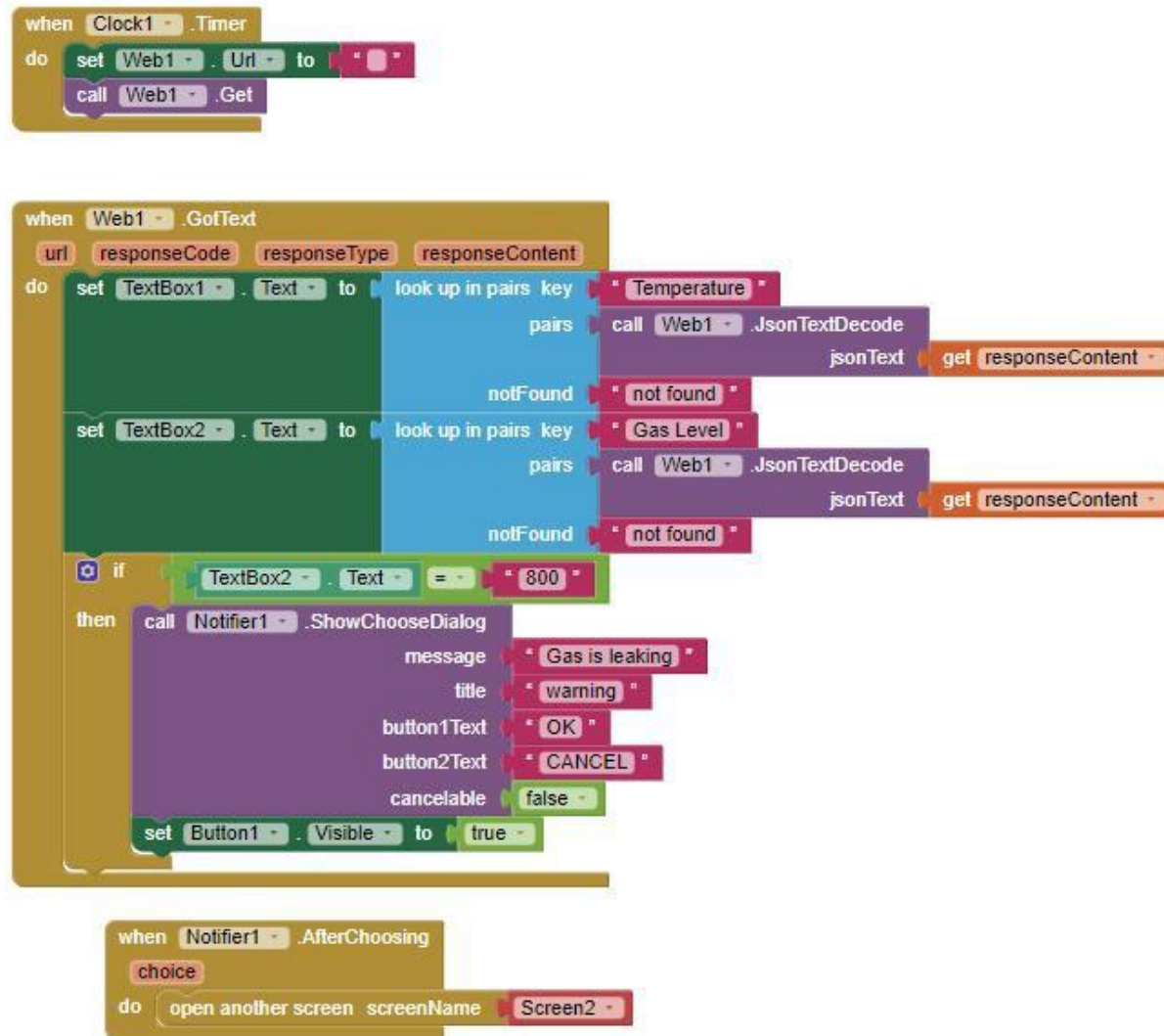
ShowStatusBar

Title

Screen2

TitleVisible

BACKEND OF THE GAS LEAKAGE APP:



```

when Clock1.Timer
do
  set Web1.Url to "h"
  call Web1.Get

```

```

when Web1.GotText
  url responseCode responseType responseContent
do
  set Navigation1.EndLatitude to
    get responseContent latitude
    points call Web1.JsonTextDecode
    set responseContent to jsonText get responseContent
    notFound not found
  set Navigation1.EndLongitude to
    look up in pairs key Longitude
    pairs call Web1.JsonTextDecode
    notFound not found
    jsonText res_ooseContent

```

```

when Button1.Click
do
  call Map1.PanTo
    latitude LocationSensor1.Latitude
    longitude LocationSensor1.Longitude
    zoom 10
  set Navigation1.StartLatitude to LocationSensor1.Latitude
  set Navigation1.StartLongitude to LocationSensor1.Longitude
  set Marker1.Latitude to Navigation1.StartLatitude
  set Marker1.Longitude to Navigation1.StartLongitude
  set Marker2.Latitude to Navigation1.EndLatitude
  set Marker2.Longitude to Navigation1.EndLongitude
  call Navigation1.RequestDirections

```

```

when Navigation1.GotDirections
  directions points distance duration
do
  set LineString1.Points to get points
  set LineString1.Visible to true

```


when .Click
do call FirebaseDB1 .GetValue
tag value
valueIfTagNotThere

when SIGN_IN .Click
do call FirebaseDB1 .StoreValue
tag TextBox1 . Text
valueToStore PasswordTextBox1 . Text

when FirebaseDB1 .GotValue
tag value
do if get tag = TextBox1 . Text
then if get tag = PasswordTextBox1 . Text
then open another screen screenName Screen1
set Label2 .IG:illto Wrong Username