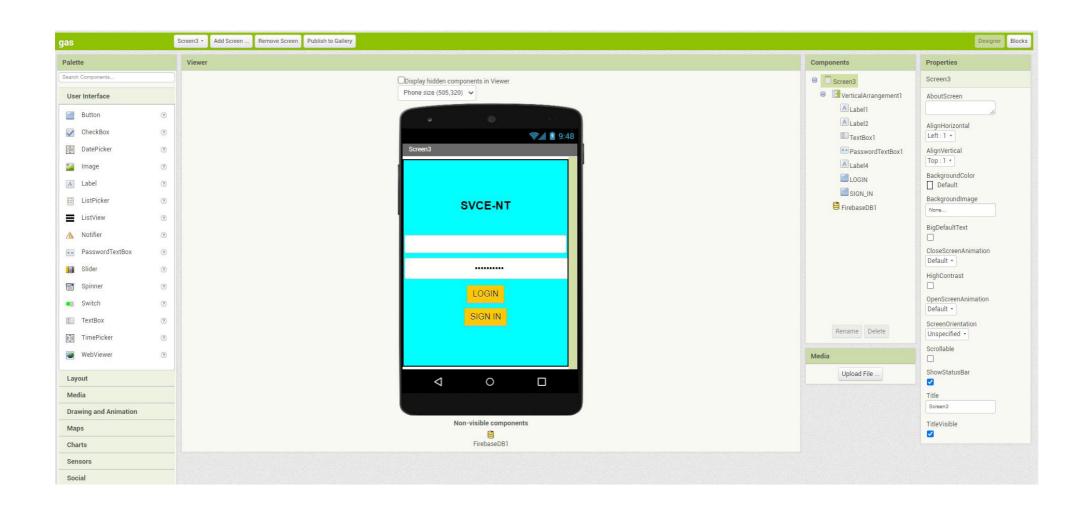
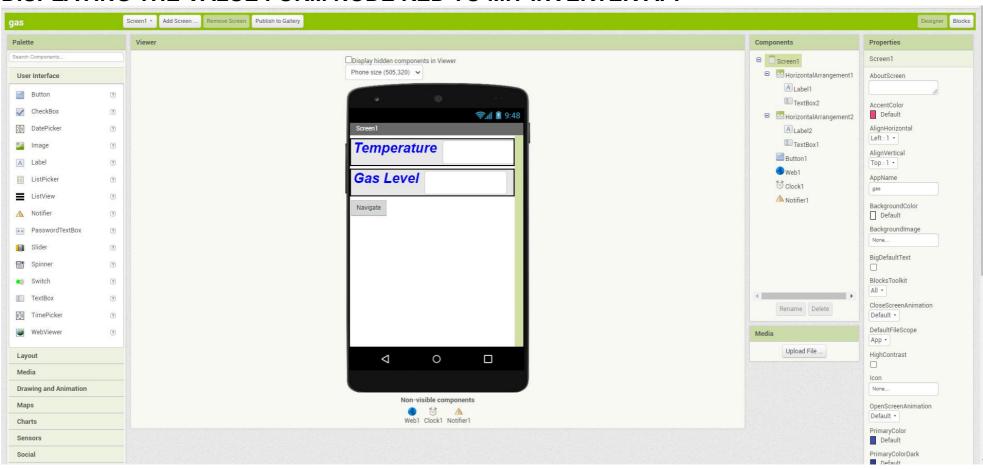
SPRINT4

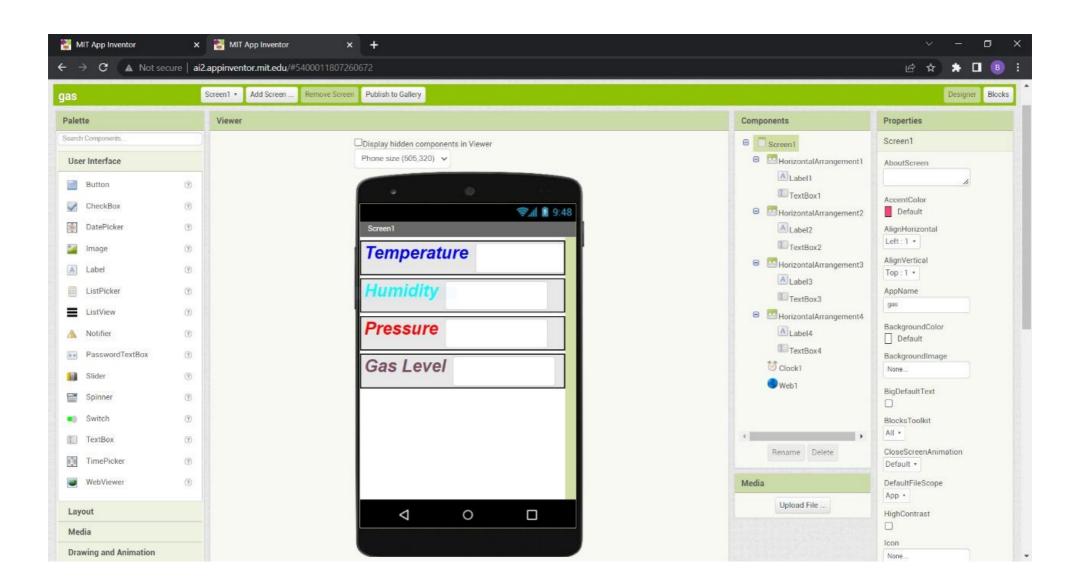
Date	17 November 2022
Team ID	PNT2022TMID53555
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	20 POINTS

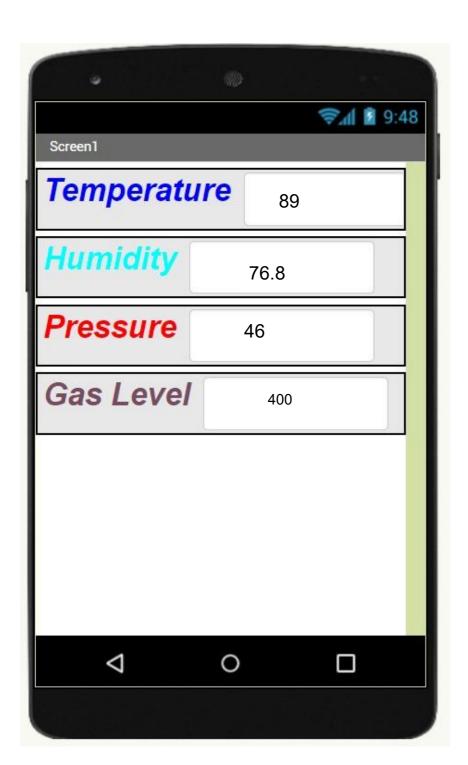
USER LOGIN



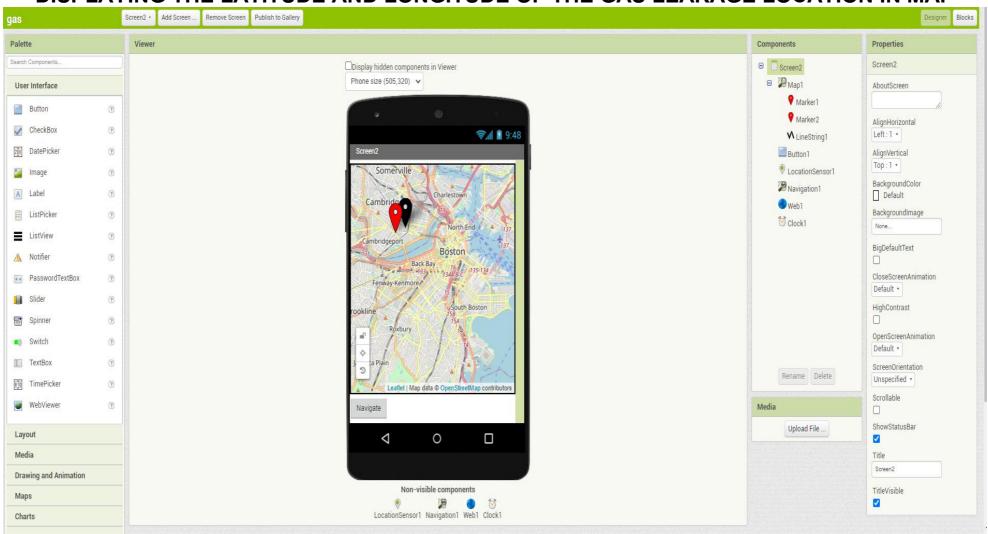
DISPLAYING THE VALUE FORM NODE RED TO MIT INVERTER APP







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

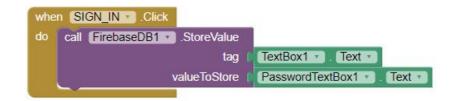


BACKEND OF THE GAS LEAKAGE APP:

```
when Clock1 - Timer
do set Web153 . Url to 1
    call Web1 .. Get
when Web1 GofText
     responseCode responseType responseContent
do set TextBox1 . Text to look up in pairs key
                                                Temperature
                                                 call Web1 JsonTextDecode
                                          pairs
                                                                            get responseContent
                                                                   jsonText
                                      notFound
                                                 not found
    set TextBox2 . Text to look up in pairs key
                                                 Gas Level
                                                call Web1 JsonTextDecode
                                          pairs
                                                                   jsonText
                                                                            get responseContent -
                                      notFound
                                                 not found
    Ø if
              TextBox2 - Text - = -
                                       800
    then call Notifier1 .ShowChooseDialog
                                          Gas is leaking
                               message
                                    title
                                          warning
                                          OK "
                             button1Text
                             button2Text
                                          CANCEL
                              cancelable
                                         false -
          set Button1 . Visible . to true
        when Notifier1 AfterChoosing
         choice
        do open another screen screenName Screen2
```

```
when Clock1 Timer
      do set Web1 . Unit to h
          call Web1 .Get
when Web1 GotText
 url responseCode responseType responseContent
do set Navigation1 . EndLatitude .
                                                            .atitude
                                    get responseContent •
                                                              Web1 JsonTextDecode
                                    set responseContent v to
                                                                             jsonText get responseContent
                                               notFound not found
    set Navigation1 . EndLongitude to look up in pairs key
                                                           Longitude
                                                    pairs call Web1 JsonTextDecode
                                                                              jsonText get responseContent
                                                notFound not found
        when Button1 . Click
        do call Map1 .PanTo
                        latitude
                                LocationSensor1 . Latitude .
                                LocationSensor1 Longitude
                      longitude |
                         zoom
                                10
             set Navigation1 . StartLatitude . to LocationSensor1 . Latitude .
             set Navigation1 . StartLongitude . to LocationSensor1 . Longitude .
             set Markert . 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 LOGIN Click
do call FirebaseDB1 CetValue
tag TextBox1 Lext
valueIfTagNotThere NA
```



```
when FirebaseDB1 GotValue

tag value

do get tag TextBox1 Text

then get tag PasswordTextBox1 Text

then open another screen screenName Screen1

set Label2 Text to Wrong Username Text

Text Volume Wrong Username Text

Text Volume Volume Text

Set Label2 Text Volume Volume Text

Text Volume Volum
```