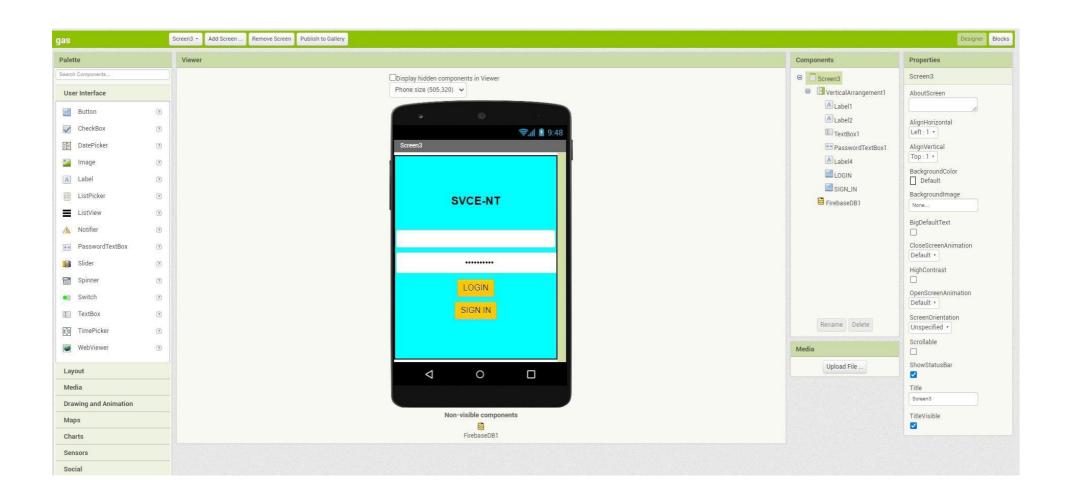
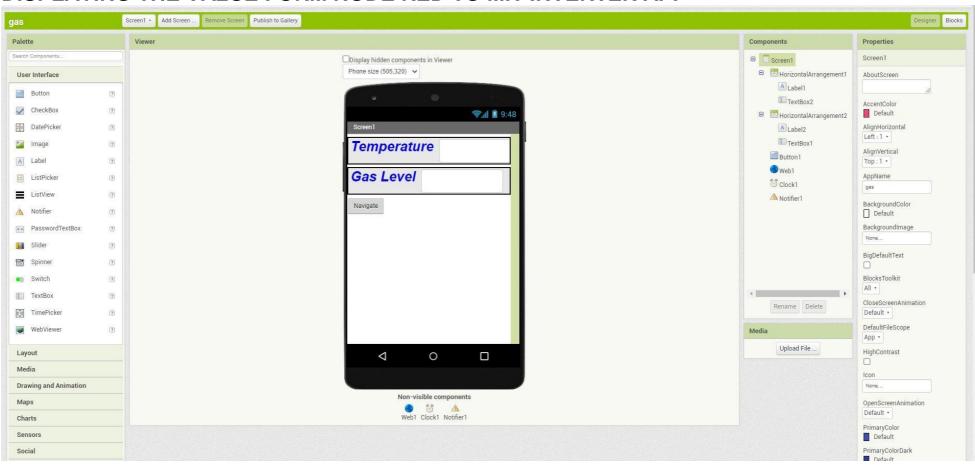
#### SPRINT4

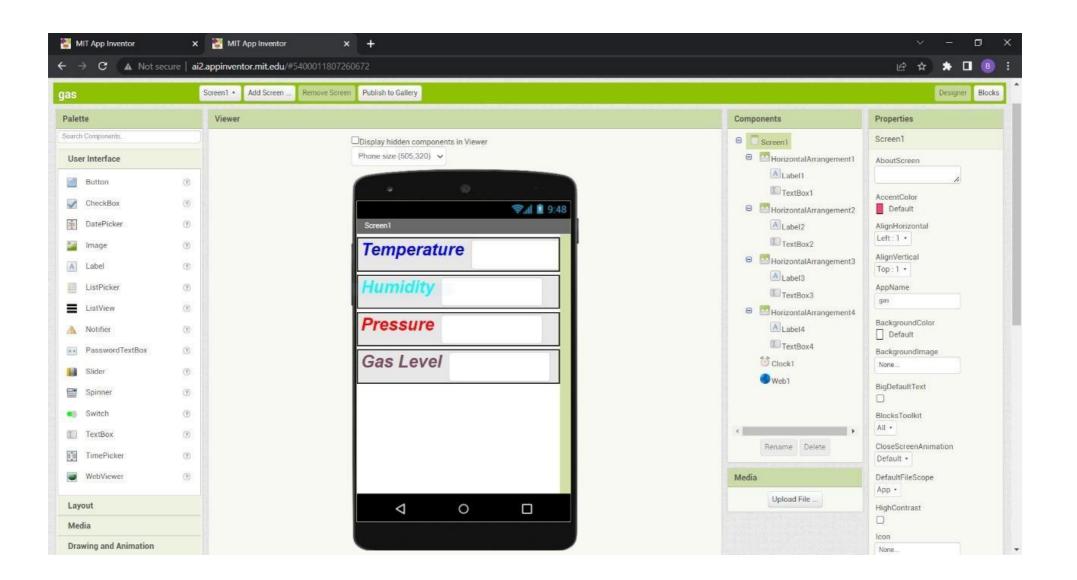
Date	17 November 2022
Team ID	PNT2022TMID53586
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	20 POINTS

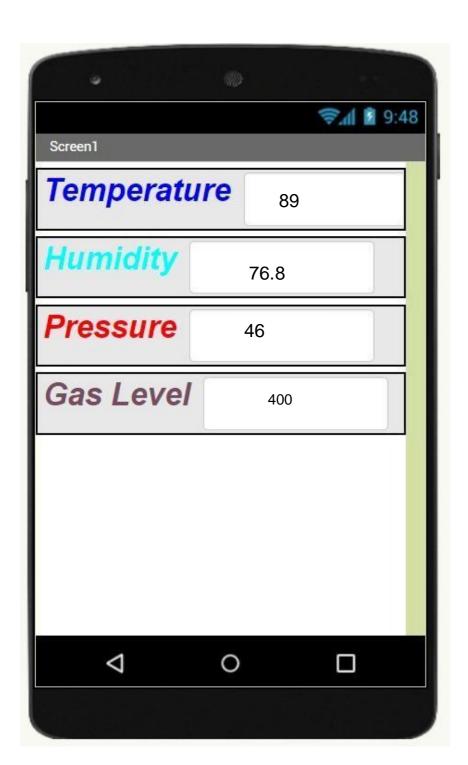
#### **USER LOGIN**



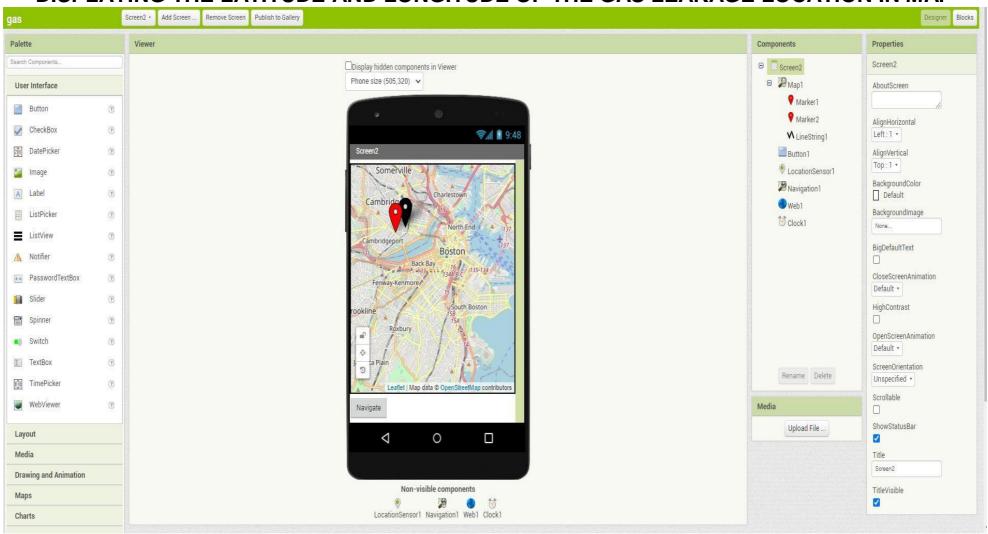
# DISPLAYING THE VALUE FORM NODE RED TO MIT INVERTER APP







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



### **BACKEND OF THE GAS LEAKAGE APP:**

```
when Clock1 - Timer
do set Web1 Url to
    call Web1 .. Get
when Web1 GofText
     responseCode responseType responseContent
do set TextBox1 . Text to look up in pairs key
                                                Temperature
                                                 call Web1 JsonTextDecode
                                                                   jsonText
                                                                            get responseContent
                                      notFound |
                                                 not found
    set TextBox2 . Text to look up in pairs key
                                                 Gas Level
                                                call Web1 JsonTextDecode
                                         pairs
                                                                   jsonText
                                                                            gel 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 . Uri to h
          call Web1 .Get
when Web1 GotText
 url responseCode responseType responseContent
on set Navigation1 . EndLatitude .
                                                             _atitude
                                    nel responseContent .
                                                              West JsonTextDecode
                                    set responseContent to
                                                                             isonText 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 Mapface PanTo
                        latitude
                                LocationSensor1 . Latitude .
                      longitude |
                                LocationSensor1 . Longitude .
                         zoom
                                10
             set Navigation1 * . StartLatitude * to LocationSensor1 * . Latitude *
             set Navigation1 . StartLongitude . to LocationSensor1 . Longitude
             set Markert . Latitude . to Navigation1 . StartLatitude .
             set Markert . 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 LineString 1 . Points to get points
                                                                    set LineString1 . Visible to true
```

```
when LOGIN Click
do call FirebaseDB1 GetValue
tag TextBox1 Text
valueIfTagNotThere NA "
```

