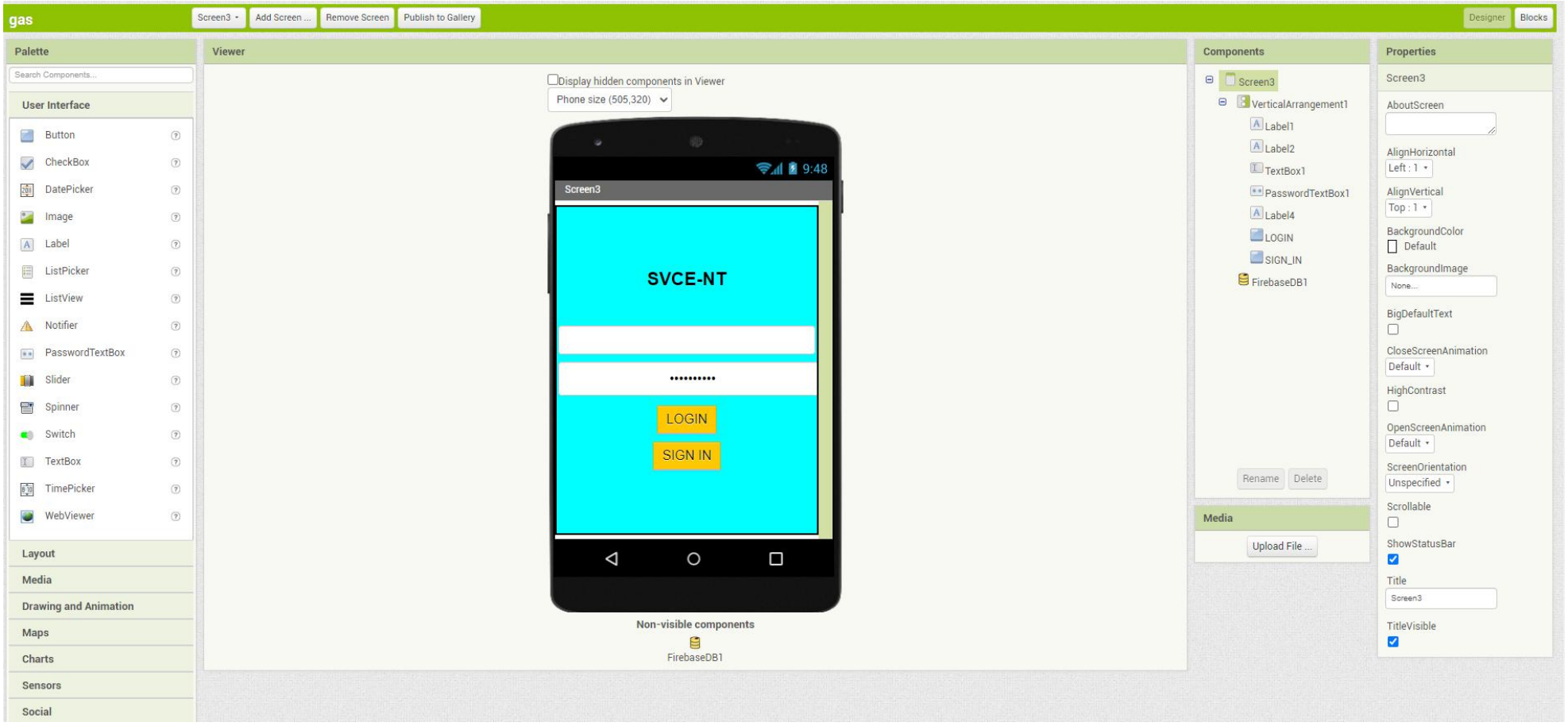
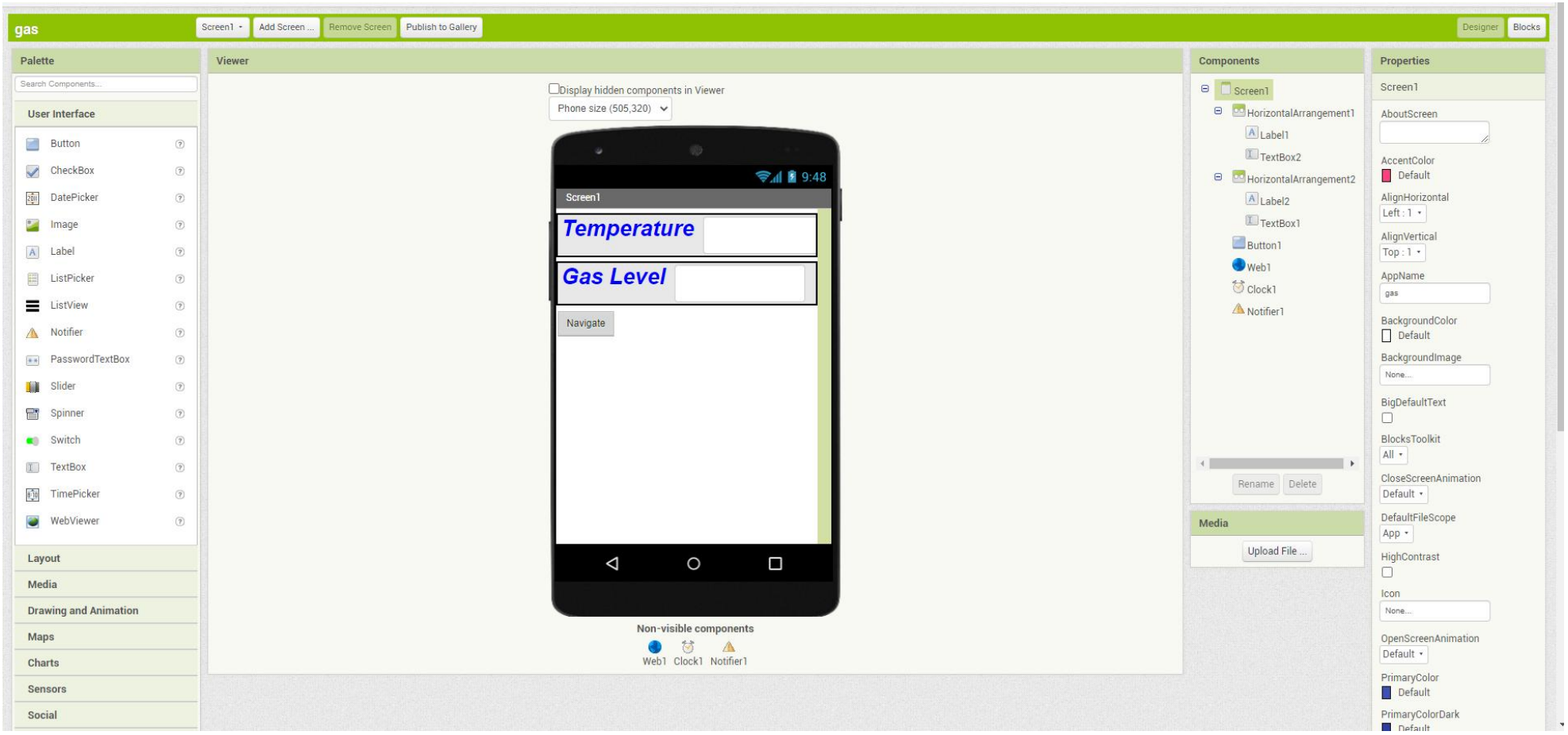
SPRINT4

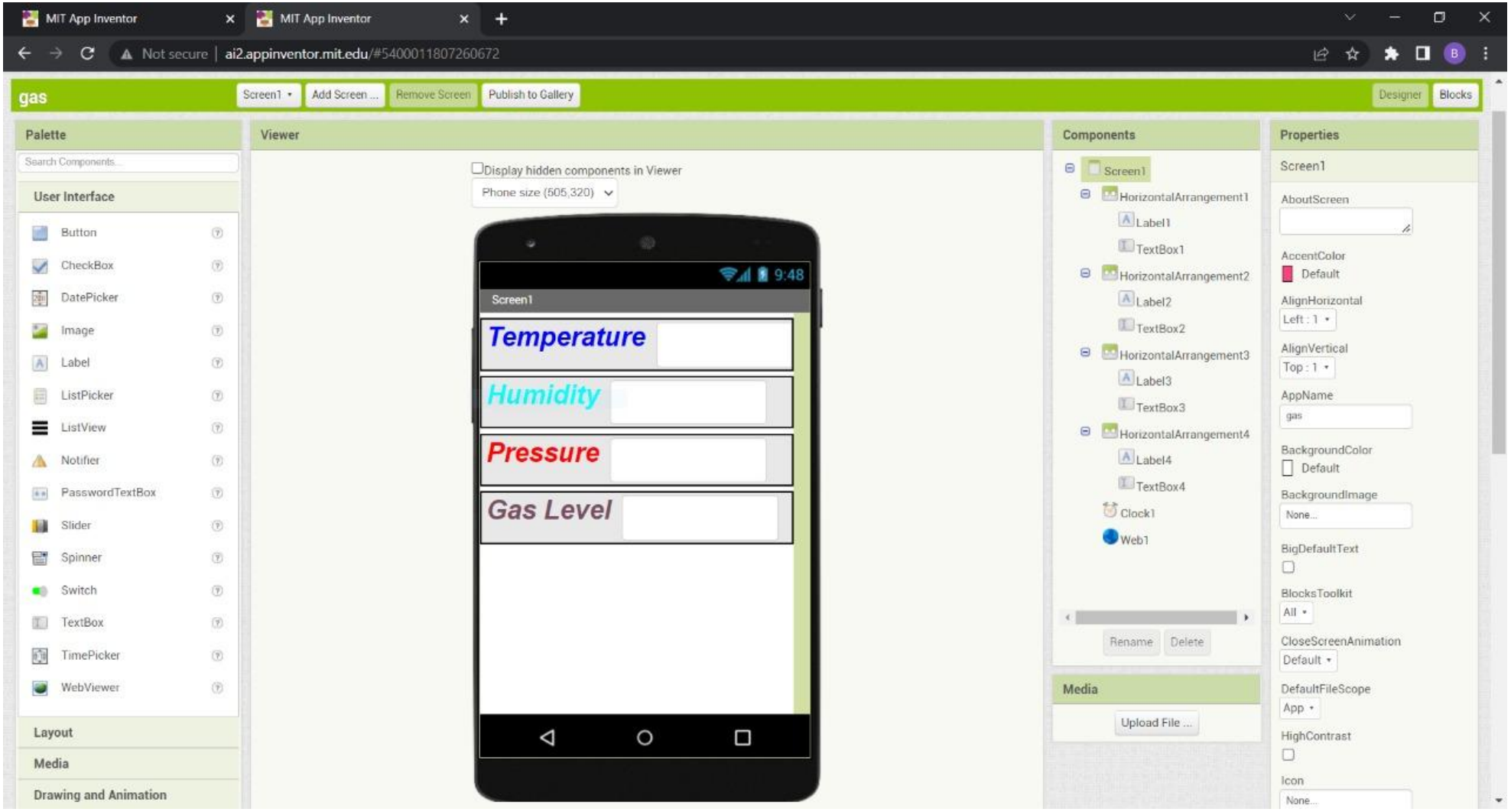
Date	17 November 2022
Team ID	PNT2022TMID53555
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	10 POINTS

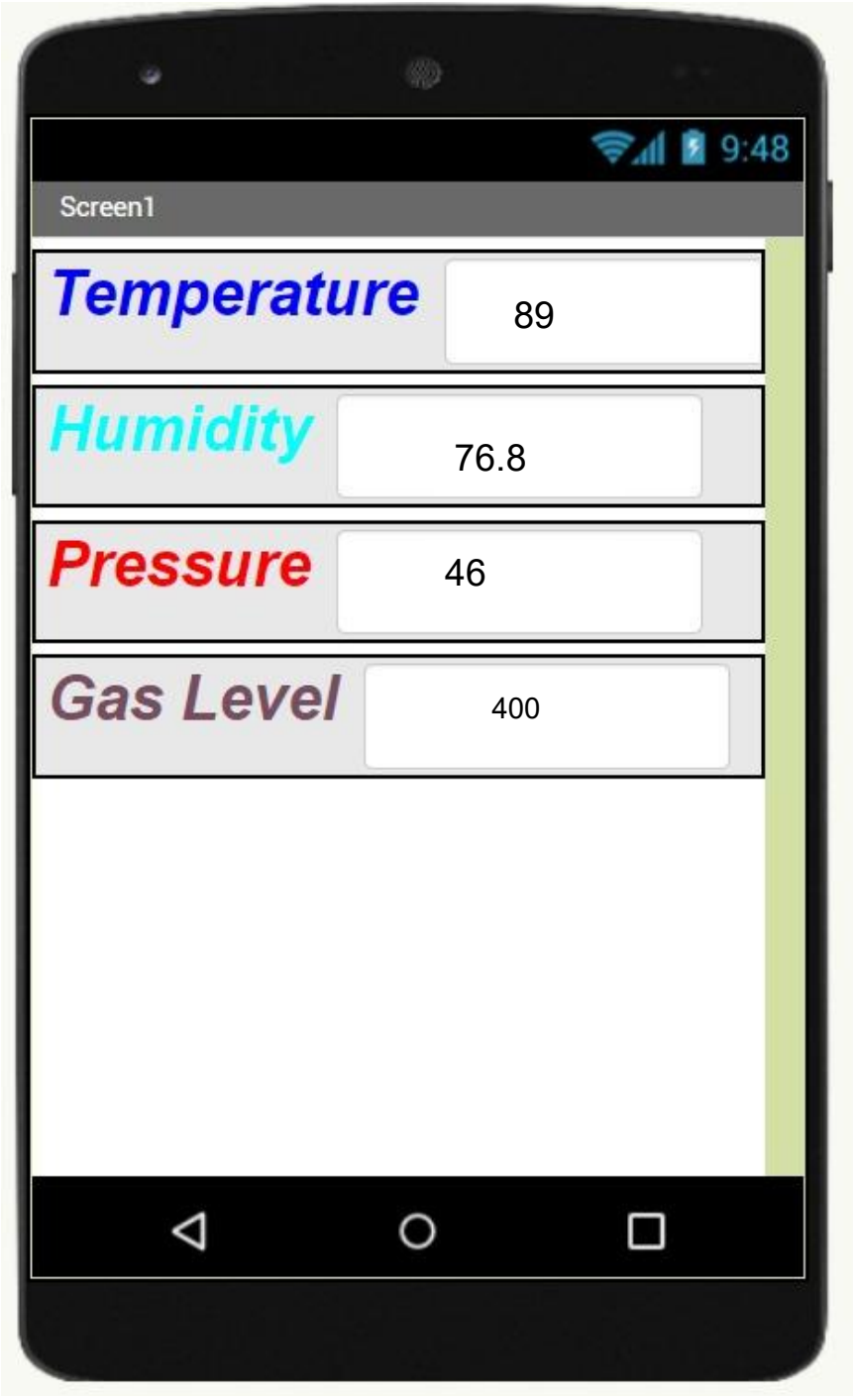
USER LOGIN



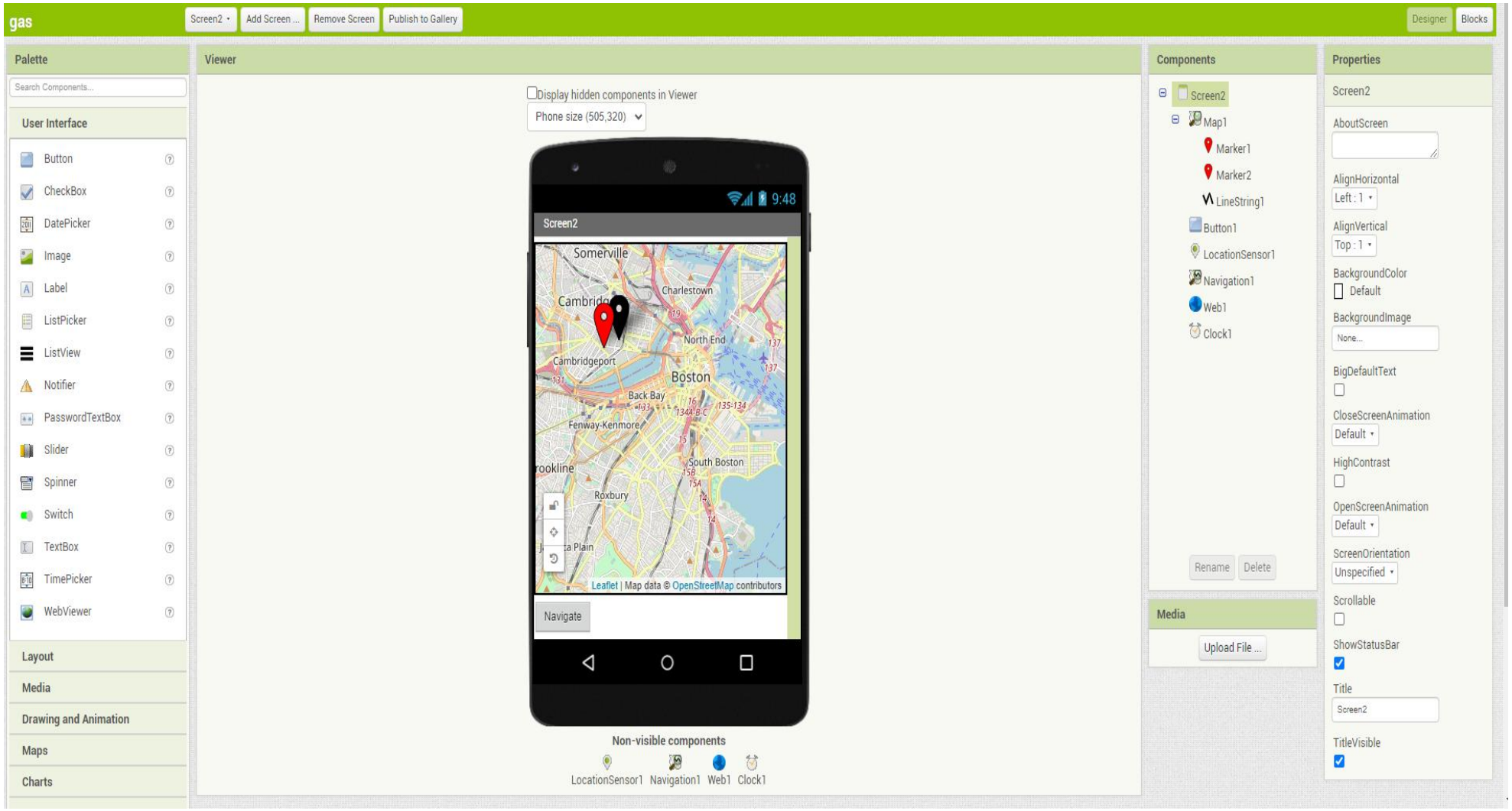
DISPLAYING THE VALUE FORM NODE RED TO MIT INVERTER APP



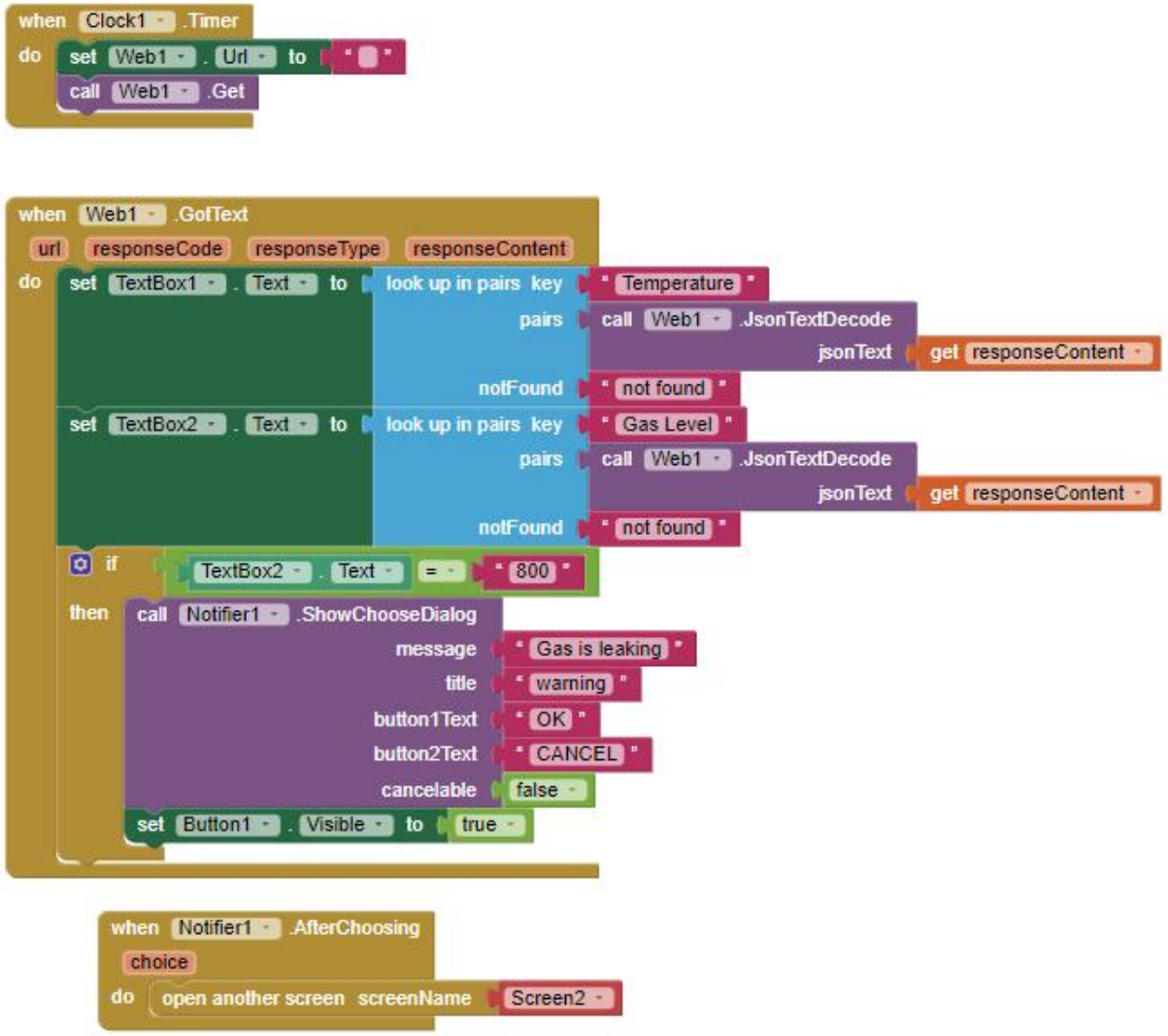

MIT App Inventor
MIT App Inventor
Not secure | ai2.appinventor.mit.edu/#5400011807260672
gas
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Palette
Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen1
Temperature
Humidity
Pressure
Gas Level
Components
Screen1
HorizontalArrangement1
Label1
TextBox1
HorizontalArrangement2
Label2
TextBox2
HorizontalArrangement3
Label3
TextBox3
HorizontalArrangement4
Label4
TextBox4
Clock1
Web1
Rename
Delete
Media
Upload File ...
Properties
Screen1
AboutScreen
AccentColor
Default
AlignHorizontal
Left : 1
AlignVertical
Top : 1
AppName
gas
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
BlocksToolkit
All
CloseScreenAnimation
Default
DefaultFileScope
App
HighContrast
Icon
None...

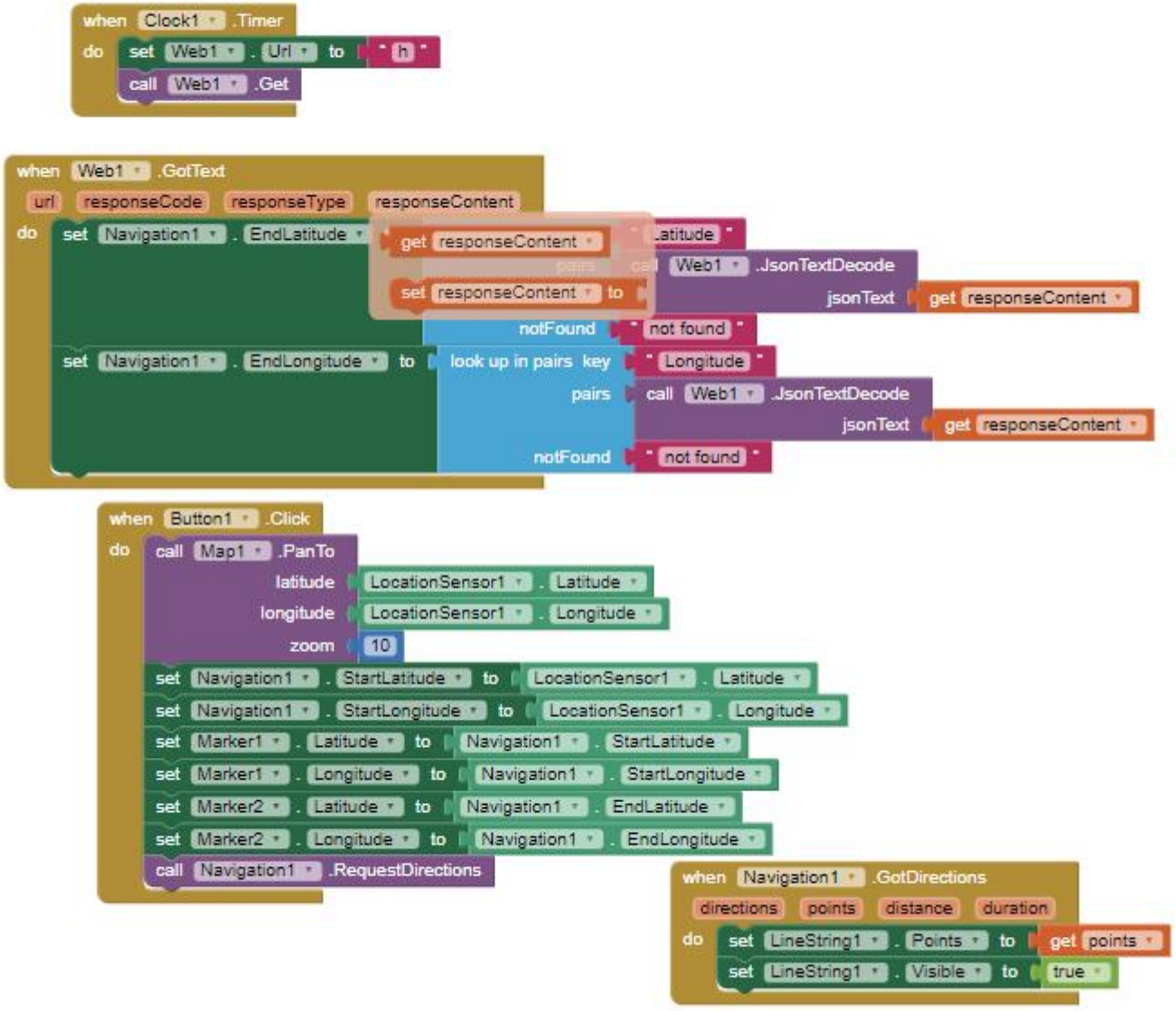

9:48
Screen1
Temperature
89
Humidity
76.8
Pressure
46
Gas Level
400

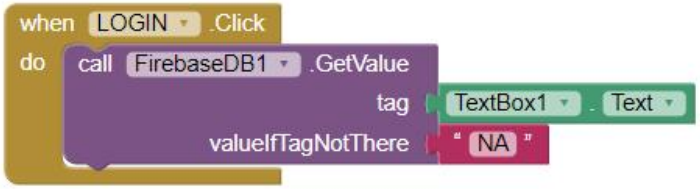
DISPLAYING THE LATITUDE AND LONGITUDE OF THE GAS LEAKAGE LOCATION IN MAP

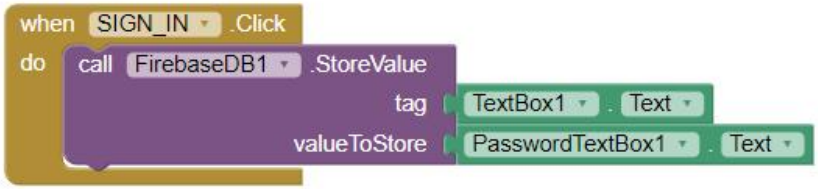


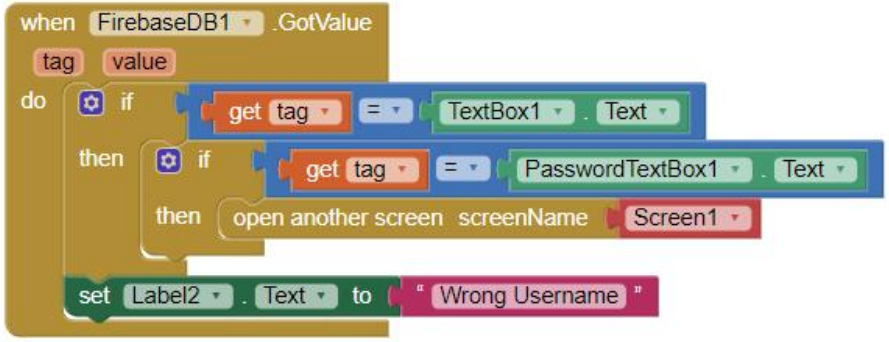
BACKEND OF THE GAS LEAKAGE APP:




when Clock1 .Timer
do set Web1 . Url to " h "
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do set Navigation1 . EndLatitude to look up in pairs key " Latitude "
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound " not found "
set responseContent to get responseContent
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
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 LOGIN .Click
do call FirebaseDB1 .GetValue
tag TextBox1 . Text
valueIfTagNotThere " NA "


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 . Text to " Wrong Username "