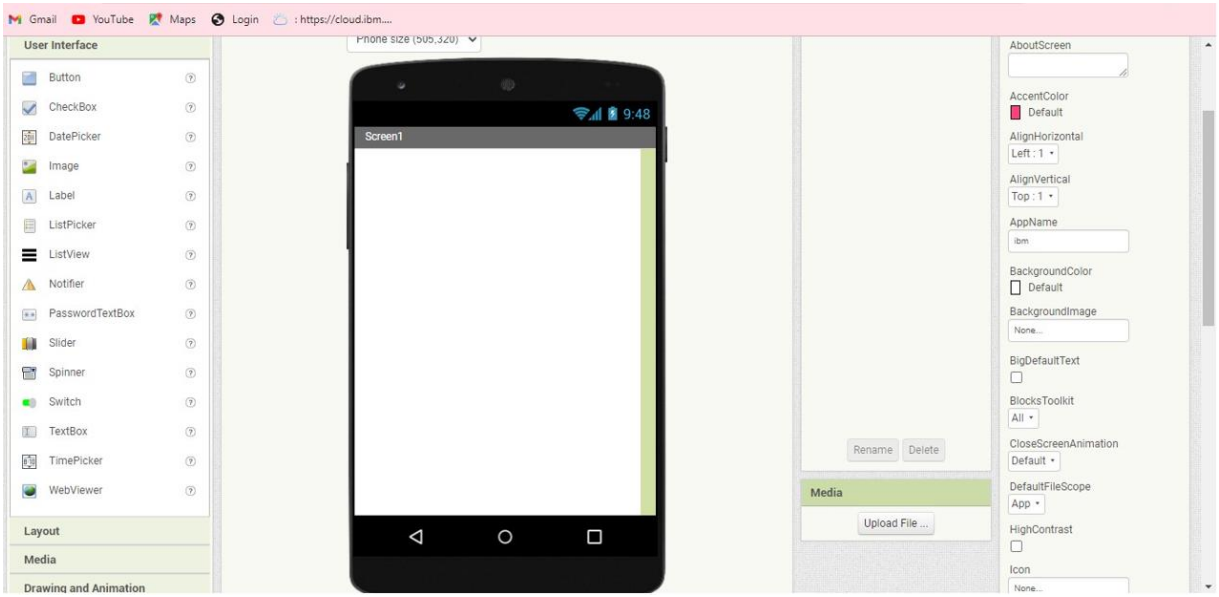
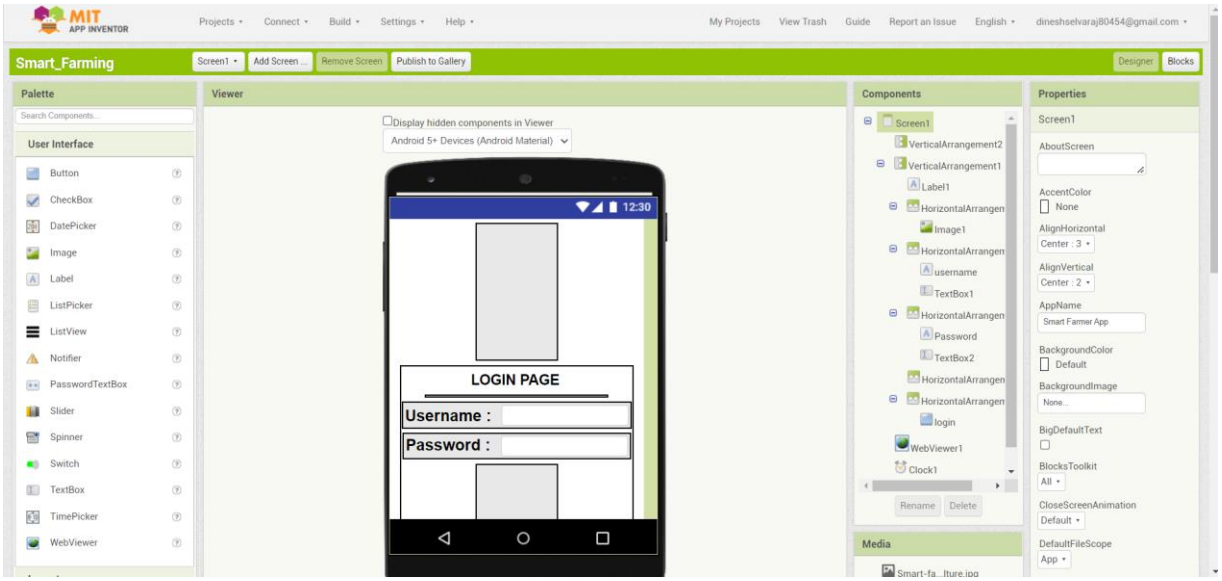
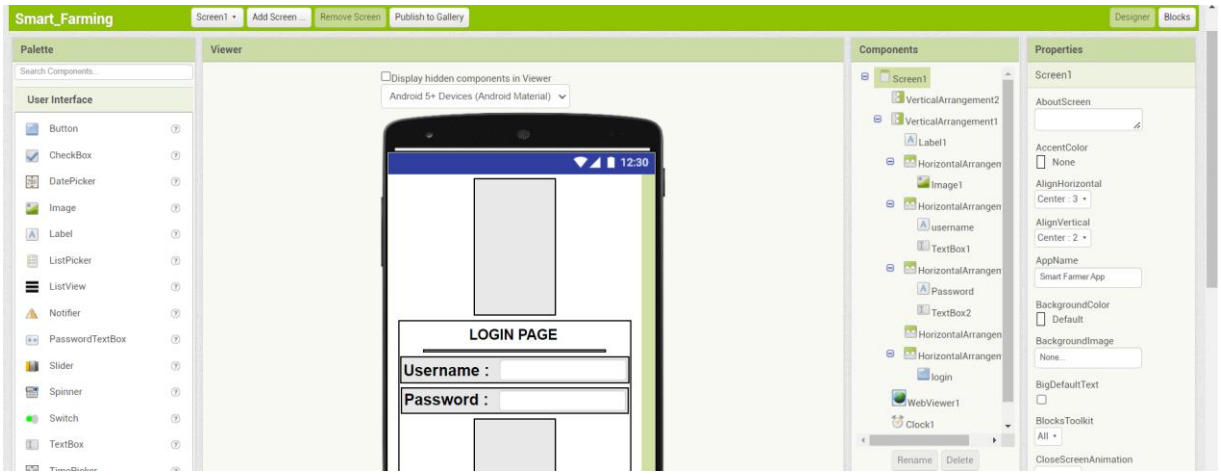
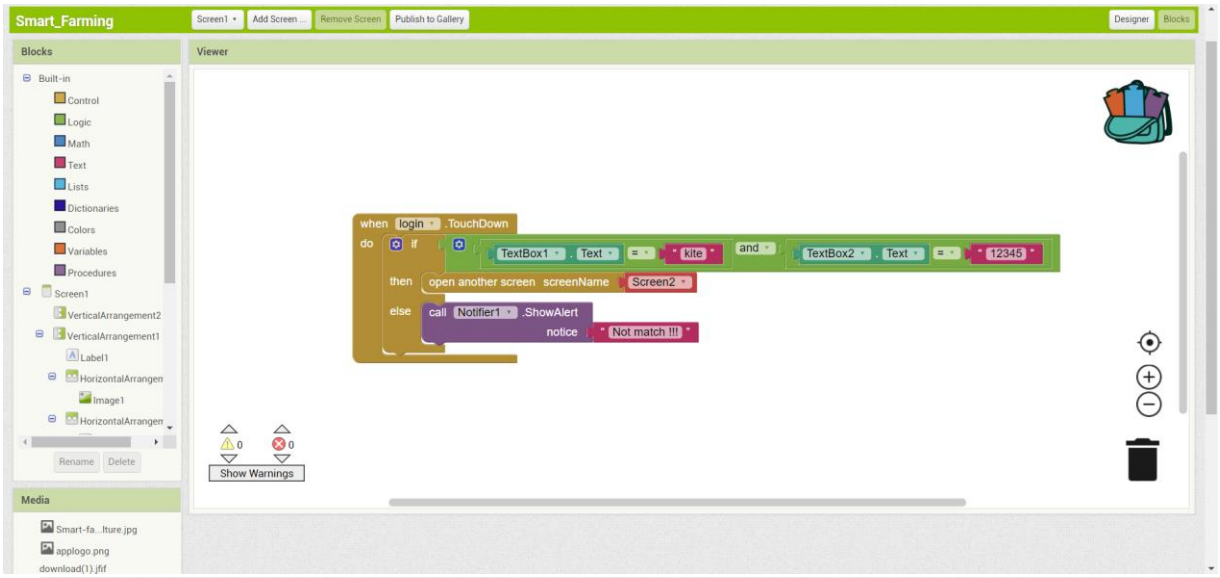
Develop A Mobile Application

Team ID	PNT2022TMID31754
Project Name	Smart Farmer-IOT Enabled Smart FarmingApplication

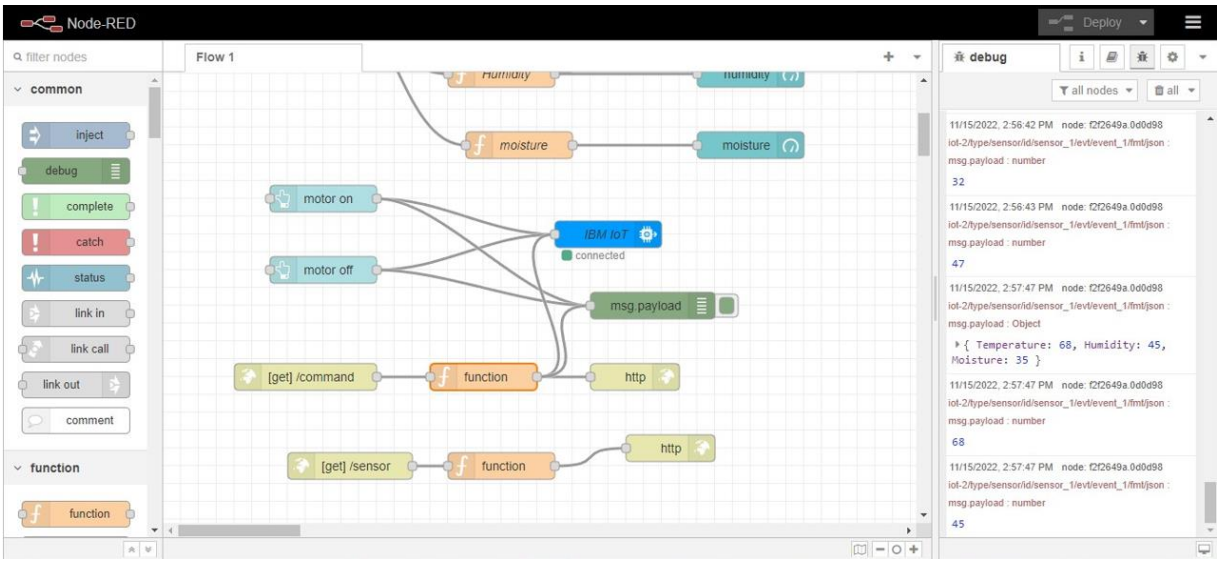


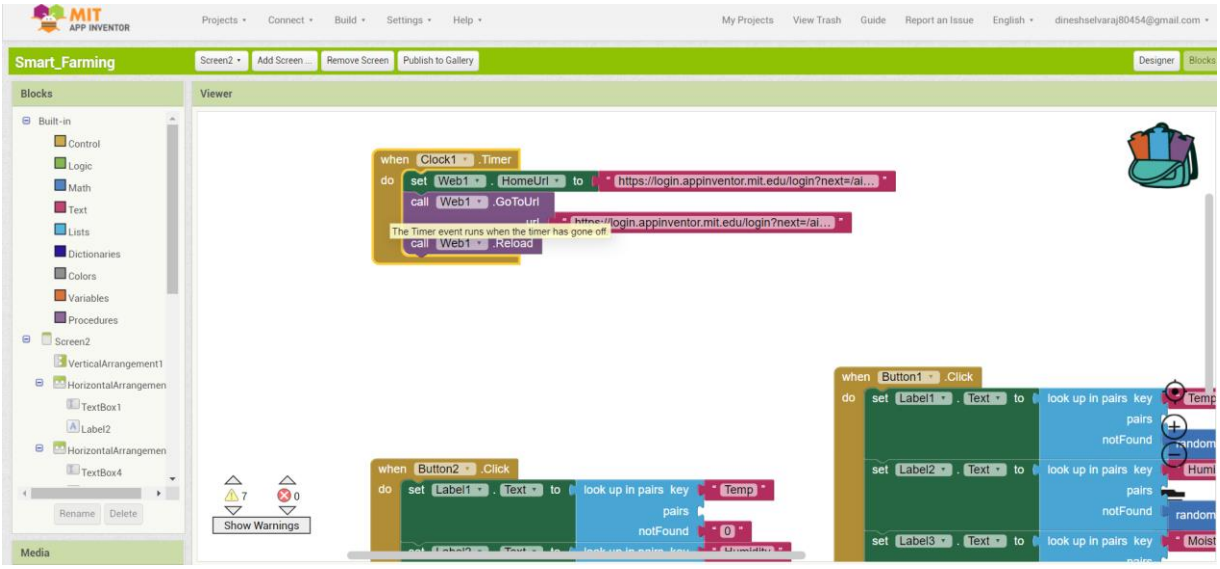


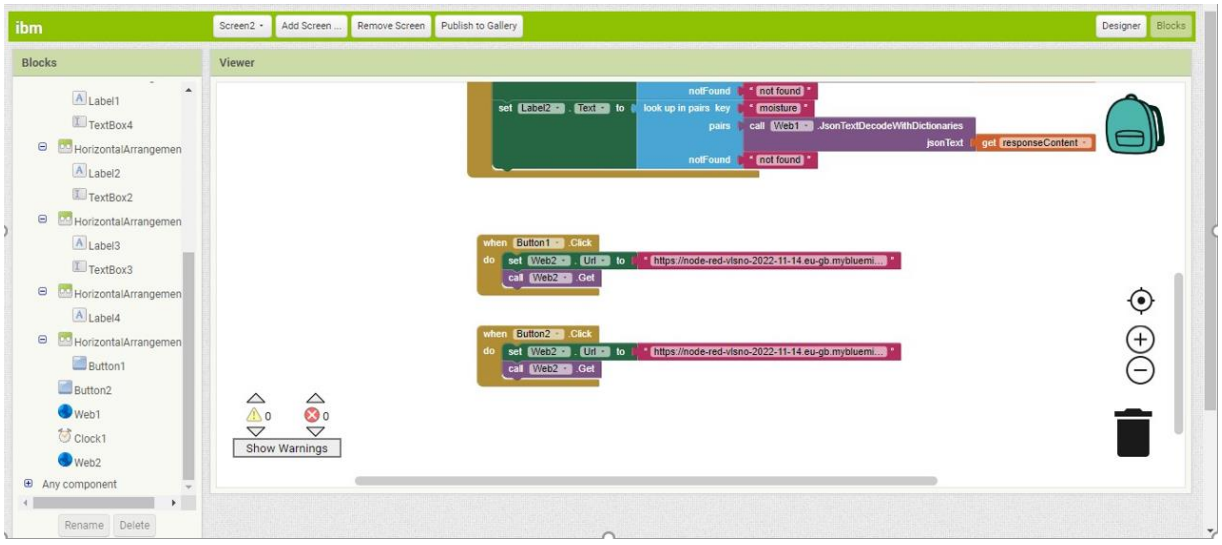

Smart_Farming
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Palette
Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
Viewer
Display hidden components in Viewer
Android 5+ Devices (Android Material)
12:30
LOGIN PAGE
Username :
Password :
Components
Screen1
VerticalArrangement2
VerticalArrangement1
Label1
HorizontalArrangen
Image1
HorizontalArrangen
username
TextBox1
HorizontalArrangen
Password
TextBox2
HorizontalArrangen
HorizontalArrangen
login
WebViewer1
Clock1
Rename
Delete
Properties
Screen1
AboutScreen
AccentColor
None
AlignHorizontal
Center : 3
AlignVertical
Center : 2
AppName
Smart Farmer App
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
BlocksToolkit
All
CloseScreenAnimation

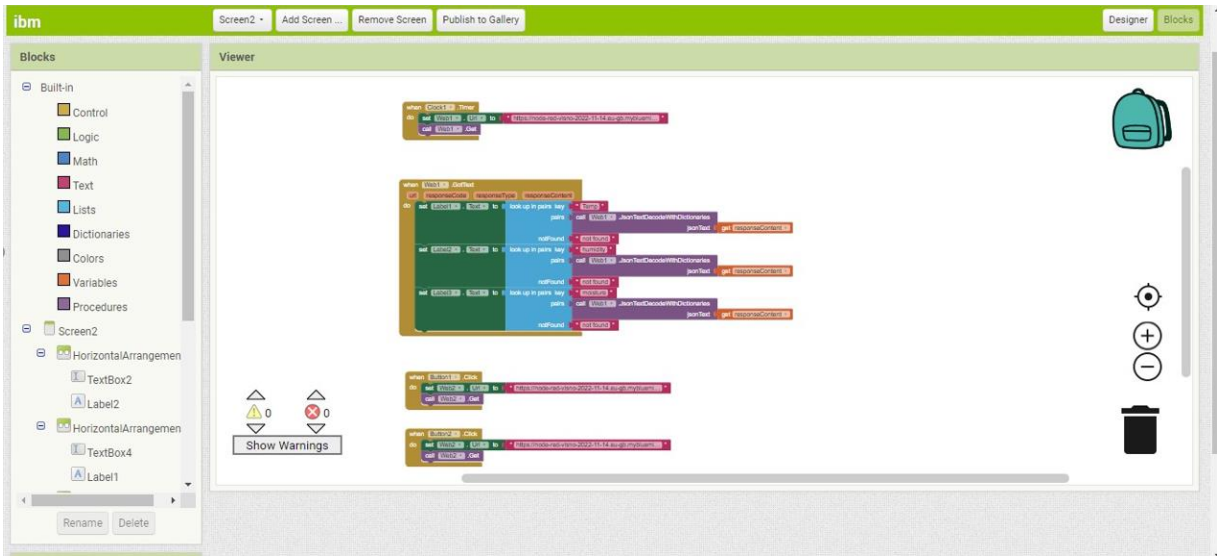

Smart_Farming
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
VerticalArrangement2
VerticalArrangement1
Label1
HorizontalArrangen
Image1
HorizontalArrangen
Rename
Delete
Media
Smart-fa...ltur e.jpg
applogo.png
download(1).jfif
Viewer
when login .TouchDown
do if TextBox1 . Text = " kite " and TextBox2 . Text = " 12345 "
then open another screen screenName Screen2
else call Notifier1 .ShowAlert
notice " Not match !!! "
0
0
Show Warnings

Smart_Farming
Screen2
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
Viewer
Display hidden components in Viewer
Android 5+ Devices (Android Material)
12:30
Humidity
23
Temperature
34
Moisture
60
Non-visible components
Components
Screen2
VerticalArrangement1
HorizontalArrangemen
TextBox1
Label2
HorizontalArrangemen
TextBox4
Label1
HorizontalArrangemen
TextBox3
Label3
VerticalArrangement2
HorizontalArrangemen
Hint
HorizontalArrangemen
HorizontalArrangemen
Button1
Rename
Delete
Media
Smart-fa...ltur e.jpg
applogo.png
download(1).jfif
Properties
Screen2
AboutScreen
AlignHorizontal
Center : 3
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Portrait
Scrollable
ShowStatusBar
Title


Node-RED
Deploy
Flow 1
debug
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
moisture
moisture
motor on
motor off
IBM IoT
connected
msg.payload
[get] /command
function
http
[get] /sensor
function
http
11/15/2022, 2:56:42 PM node: f2f2649a.0d0d98
iot-2/type/sensor/id/sensor_1/evt/event_1/fmt/json : msg.payload : number
32
11/15/2022, 2:56:43 PM node: f2f2649a.0d0d98
iot-2/type/sensor/id/sensor_1/evt/event_1/fmt/json : msg.payload : number
47
11/15/2022, 2:57:47 PM node: f2f2649a.0d0d98
iot-2/type/sensor/id/sensor_1/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 68, Humidity: 45, Moisture: 35 }
11/15/2022, 2:57:47 PM node: f2f2649a.0d0d98
iot-2/type/sensor/id/sensor_1/evt/event_1/fmt/json : msg.payload : number
68
11/15/2022, 2:57:47 PM node: f2f2649a.0d0d98
iot-2/type/sensor/id/sensor_1/evt/event_1/fmt/json : msg.payload : number
45


MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
dineshselvaraj80454@gmail.com
Smart_Farming
Screen2
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen2
VerticalArrangement1
TextBox1
Label2
TextBox4
Rename
Delete
Media
when Clock1 .Timer
do set Web1 . HomeUrl to "https://login.appinventor.mit.edu/login?next=/ai..."
call Web1 .GoToUrl
call Web1 .Reload
The Timer event runs when the timer has gone off
when Button2 .Click
do set Label1 . Text to look up in pairs key "Temp"
pairs
notFound "0"
when Button1 .Click
do set Label1 . Text to look up in pairs key
pairs
notFound
set Label2 . Text to look up in pairs key
pairs
notFound
set Label3 . Text to look up in pairs key
Show Warnings


ibm
Screen2
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Viewer
Label1
TextBox4
HorizontalArrangemen
Label2
TextBox2
HorizontalArrangemen
Label3
TextBox3
HorizontalArrangemen
Label4
HorizontalArrangemen
Button1
Button2
Web1
Clock1
Web2
Any component
Rename
Delete
set Label2 . Text to look up in pairs key "moisture"
pairs call Web1 .JsonTextDecodeWithDictionaries
jsonText get responseContent
notFound "not found"
when Button1 .Click
do set Web2 . Url to "https://node-red-vlsno-2022-11-14.eu-gb.mybluemi..."
call Web2 .Get
when Button2 .Click
do set Web2 . Url to "https://node-red-vlsno-2022-11-14.eu-gb.mybluemi..."
call Web2 .Get
Show Warnings


ibm
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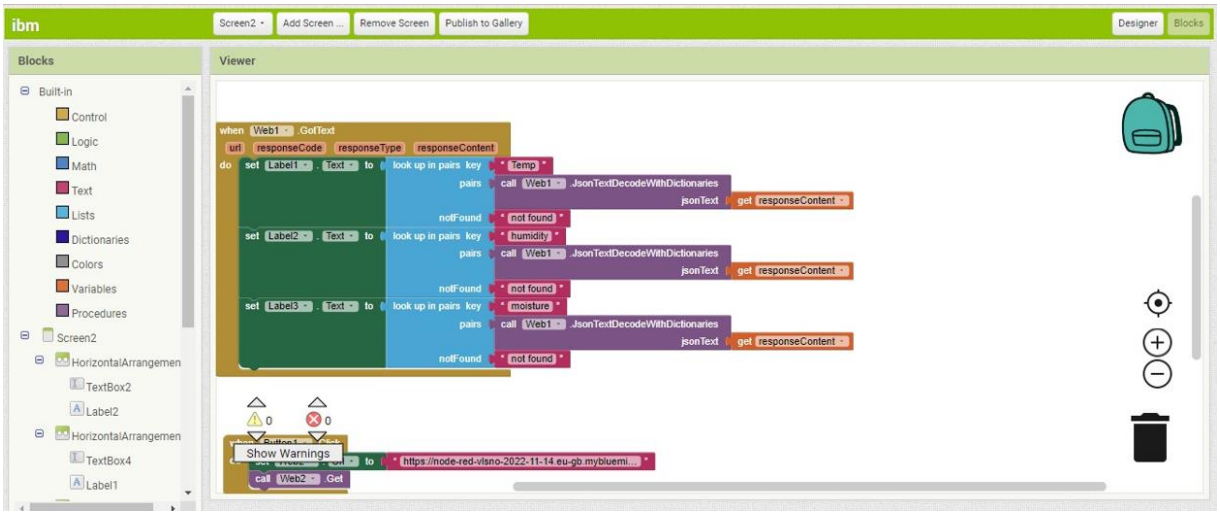
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen2
HorizontalArrangemen
TextBox2
Label2
HorizontalArrangemen
TextBox4
Label1
Rename
Delete
Viewer
Show Warnings

S


ibm
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Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen2
HorizontalArrangemen
TextBox2
Label2
HorizontalArrangemen
TextBox4
Label1
Viewer
when Web1 .GotText
url responseCode responseType responseContent
do set Label1 . Text to look up in pairs key Temp
pairs call Web1 .JsonTextDecodeWithDictionaries
jsonText get responseContent
notFound not found
set Label2 . Text to look up in pairs key humidity
pairs call Web1 .JsonTextDecodeWithDictionaries
jsonText get responseContent
notFound not found
set Label3 . Text to look up in pairs key moisture
pairs call Web1 .JsonTextDecodeWithDictionaries
jsonText get responseContent
notFound not found
Show Warnings
call Web2 .Get

2:22

14.0 KB/S

24

LOGIN PAGE

Username : Enter User Name

Password : ********

LOGIN

2:22 9.00 KB/S Vo LTE 24

Humidity	51
Temperature	28
Moisture	40

Motor Switch ON/OFF

Coimbatore, Tamilnadu