Project Development Phase
Sprint 4

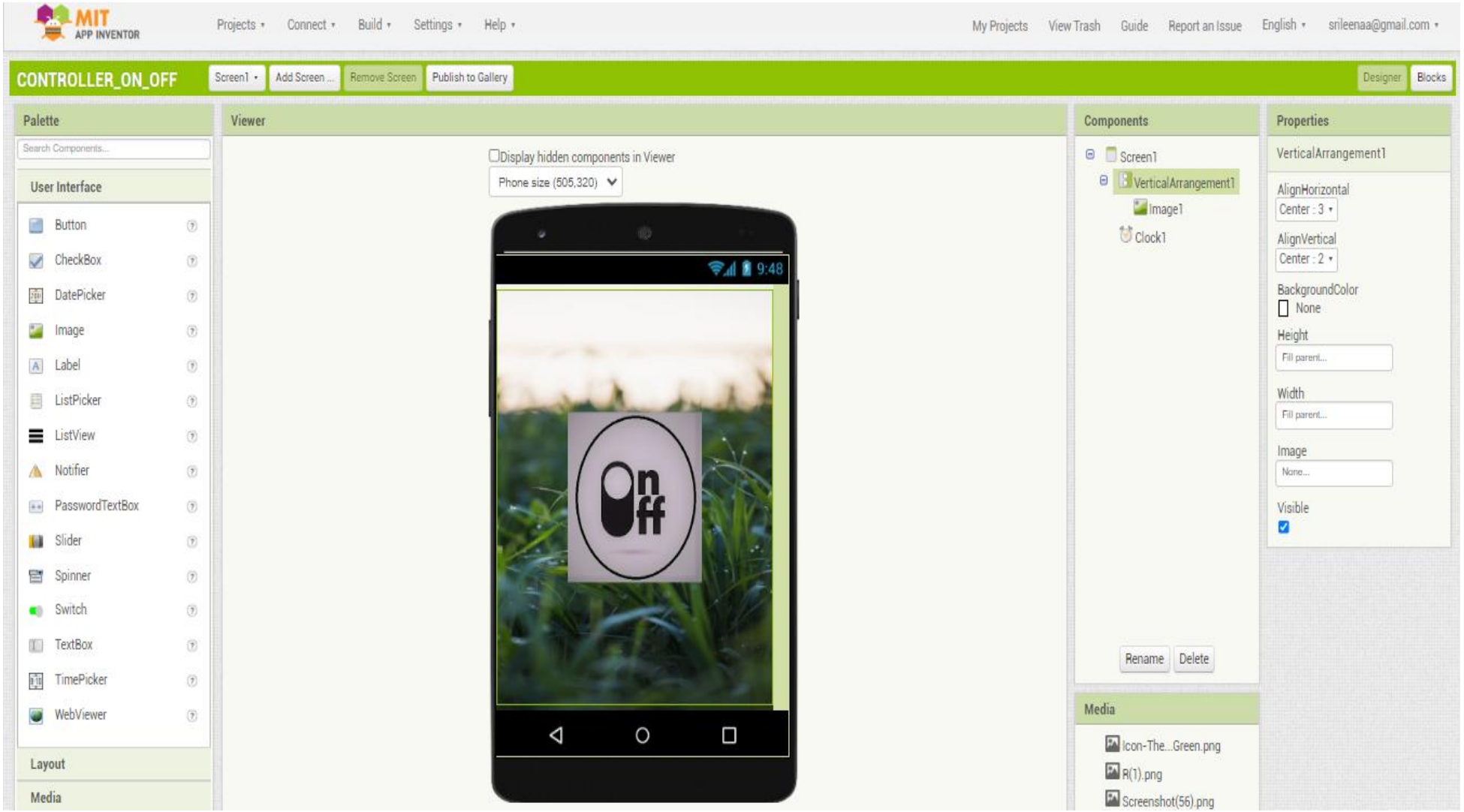
Date	18 November 2022
Team ID	PNT2022TMID32996
Project Name	Project –IoT Based Smart Crop Protection System For Agriculture

OBJECTIVE:

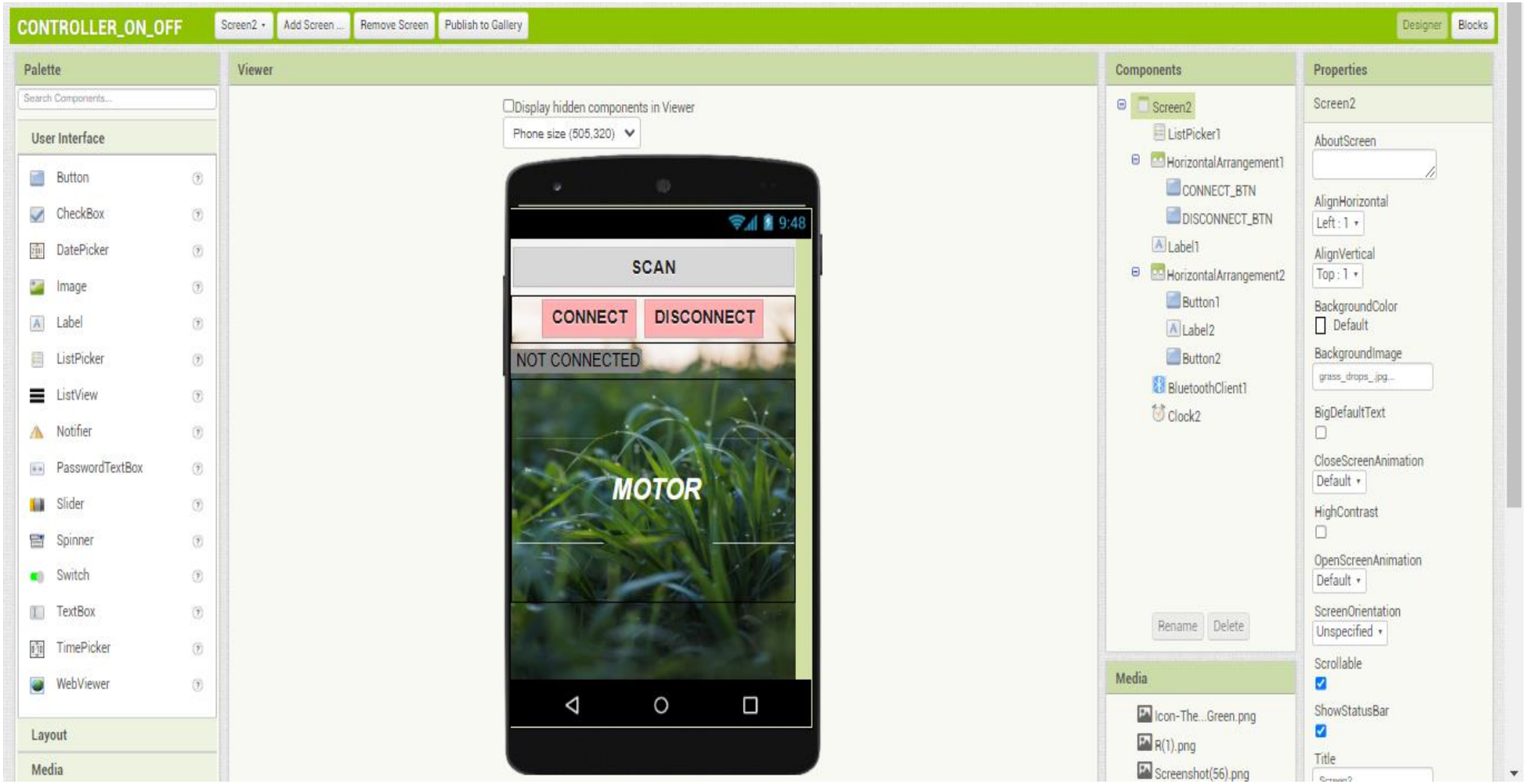
Using the MIT app inventor to create the app application to ON/OFF the motor in the field with connecting the Bluetooth module and to connect the node red with MIT app inventor and show the level of Temperature , Humidity and Soil moisture.

MIT APP INVENTOR : TO CONTROL MOTOR SYSTEM AND TO SHOW THE LEVEL OF TEMPERATURE , HUMIDITY AND SOIL MOISTURE.

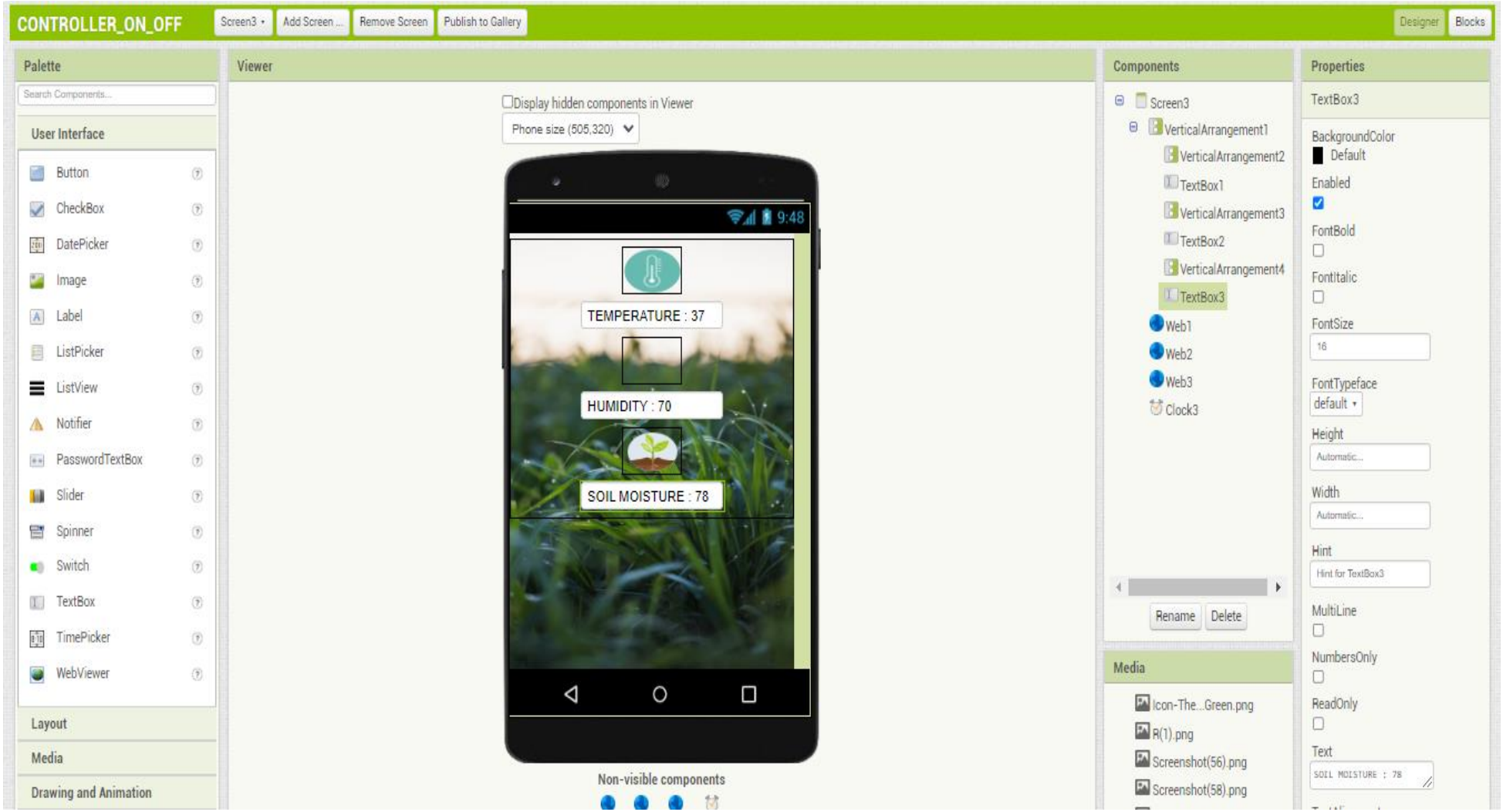
SCREEN 1:


MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
snleenaa@gmail.com
CONTROLLER_ON_OFF
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
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
On
ff
Components
Screen1
VerticalArrangement1
Image1
Clock1
Rename
Delete
Media
Icon-The...Green.png
R(1).png
Screenshot(56).png
Properties
VerticalArrangement1
AlignHorizontal
Center : 3
AlignVertical
Center : 2
BackgroundColor
None
Height
Fill parent...
Width
Fill parent...
Image
None...
Visible

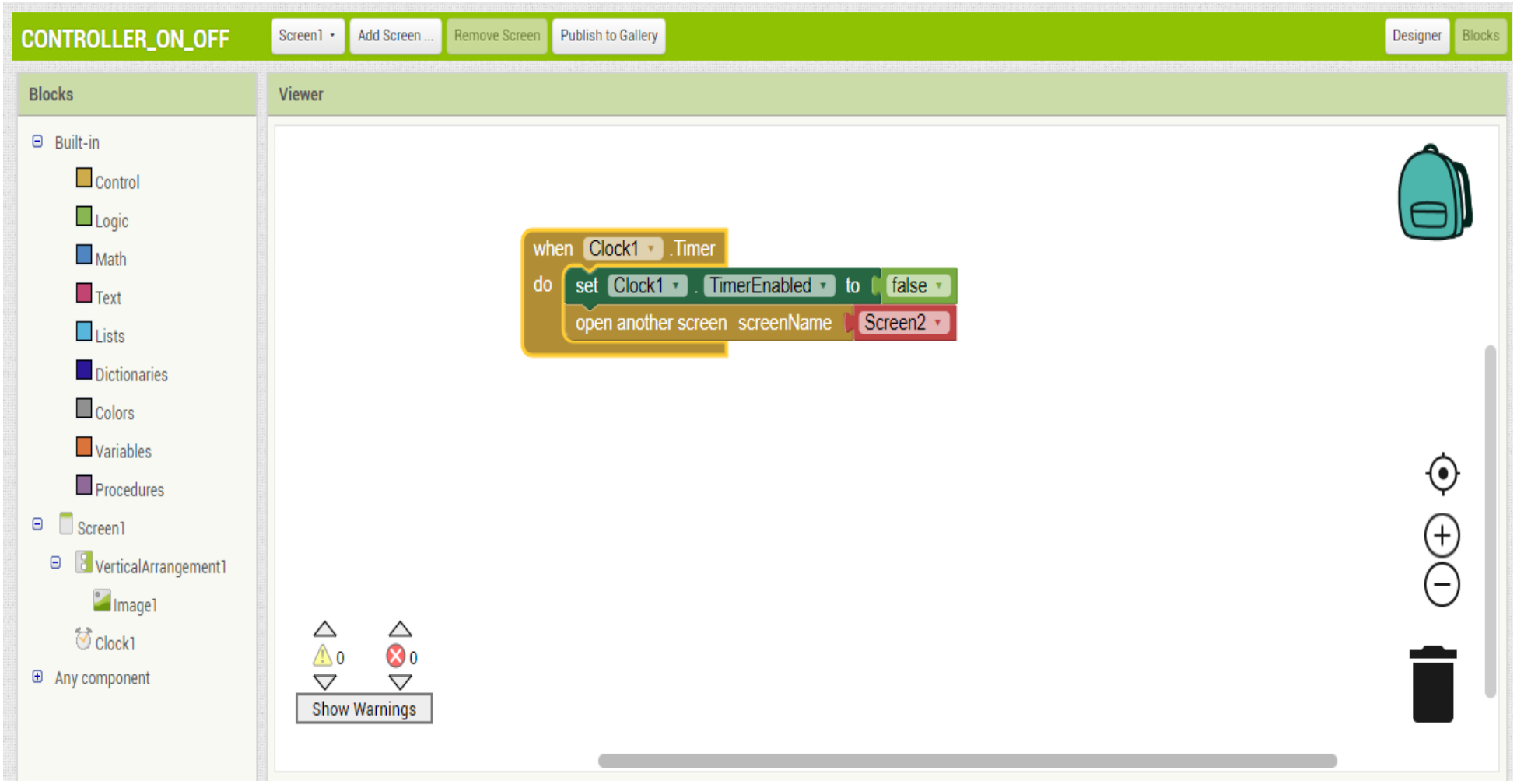
SCREEN 2 :


CONTROLLER_ON_OFF
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
Phone size (505,320)
9:48
SCAN
CONNECT
DISCONNECT
NOT CONNECTED
MOTOR
Components
Screen2
ListPicker1
HorizontalArrangement1
CONNECT_BTN
DISCONNECT_BTN
Label1
HorizontalArrangement2
Button1
Label2
Button2
BluetoothClient1
Clock2
Rename
Delete
Media
Icon-The...Green.png
R(1).png
Screenshot(56).png
Properties
Screen2
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
grass_drops_jpg...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable
ShowStatusBar
Title

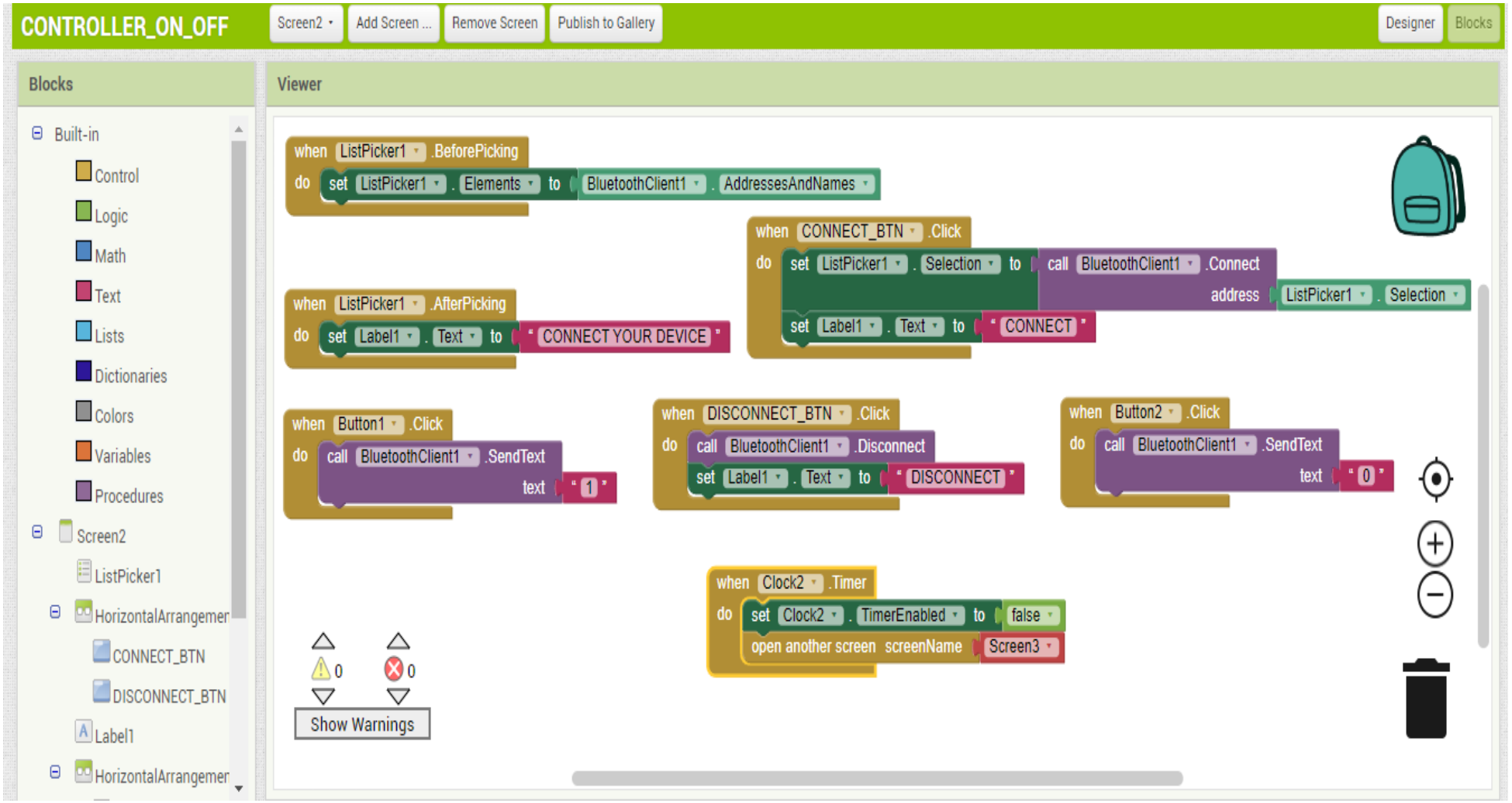
SCREEN 3:


CONTROLLER_ON_OFF
Screen3
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
TEMPERATURE : 37
HUMIDITY : 70
SOIL MOISTURE : 78
Non-visible components
Components
Screen3
VerticalArrangement1
VerticalArrangement2
TextBox1
VerticalArrangement3
TextBox2
VerticalArrangement4
TextBox3
Web1
Web2
Web3
Clock3
Rename
Delete
Media
Icon-The...Green.png
R(1).png
Screenshot(56).png
Screenshot(58).png
Properties
TextBox3
BackgroundColor
Default
Enabled
FontBold
FontItalic
FontSize
16
FontTypeface
default
Height
Automatic...
Width
Automatic...
Hint
Hint for TextBox3
MultiLine
NumbersOnly
ReadOnly
Text
SOIL MOISTURE : 78

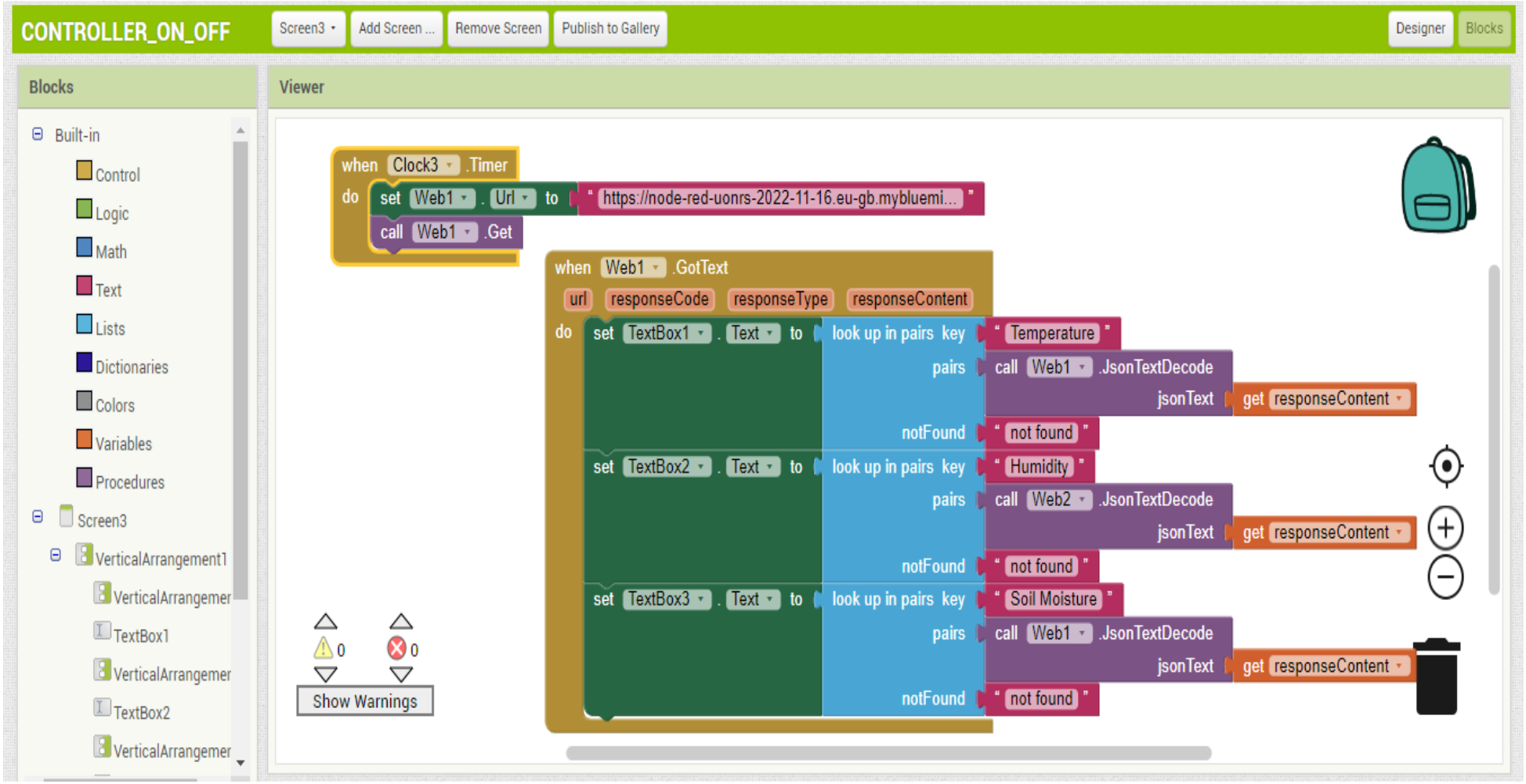
BLOCK : SCREEN 1



BLOCK: SCREEN 2



BLOCK : SCREEN 3



OUTPUT:

12:07 PM
CONTROLLER_ON_OFF
00:19:09:03:25:1E HC-05
E8:07:BF:00:76:3A boAt Airdopes 201
1F:57:1C:44:CB:41 113
AD:F0:F0:0F:46:FF ZEB-BT6790RUCF
FF:21:84:44:4B:9A SKE
00:00:AB:CD:9D:62 Shots Ergo

12:07 PM
SCAN
CONNECT
DISCONNECT
CONNECT YOUR DEVICE
ON
MOTOR
OFF

12:06 PM
TEMPERATURE : 37
%
HUMIDITY : 70
SOIL MOISTURE : 78