

Project Development Phase
Sprint 4

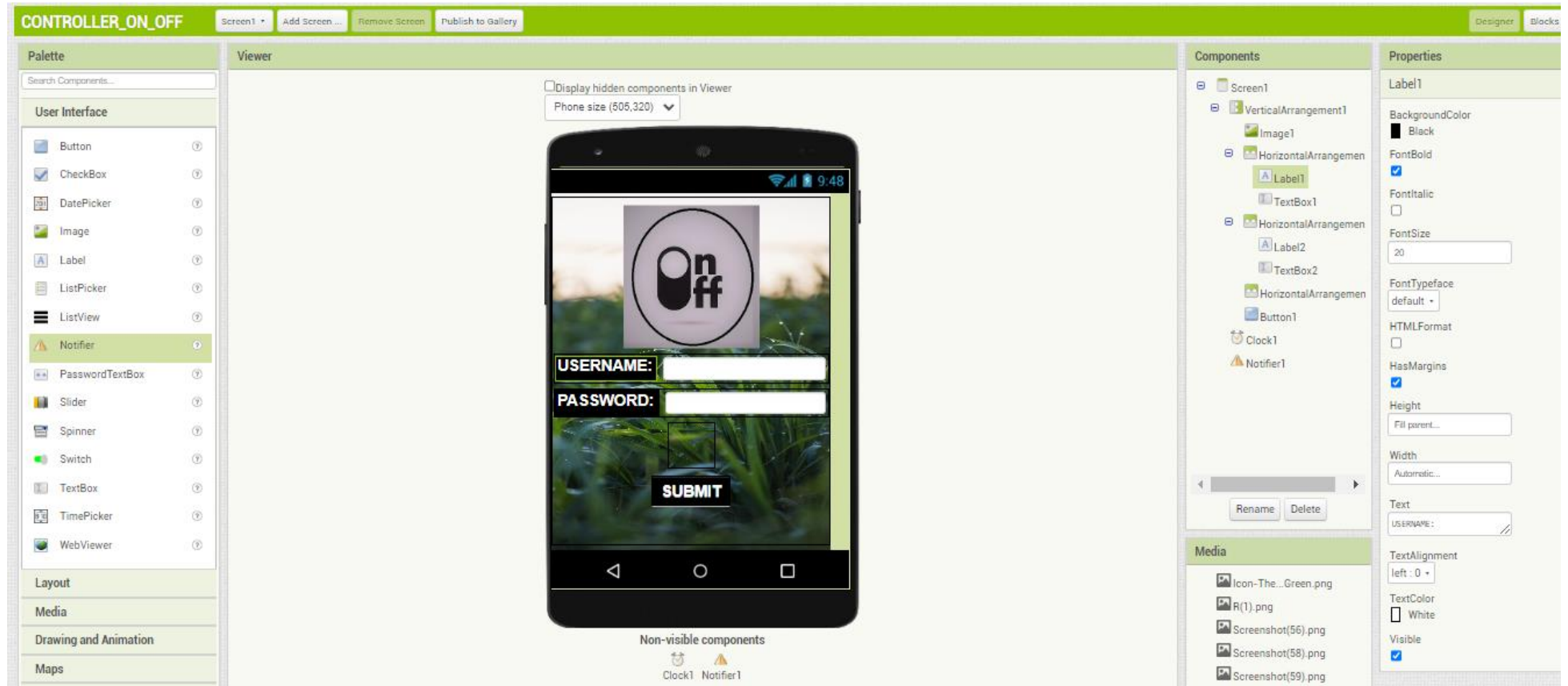
| | |
|--------------|---|
| Date | 18 November 2022 |
| Team ID | PNT2022TMID32996 |
| Project Name | Project –IoT Based Smart Crop Protection System For Agriculture |

OBJECTIVE:

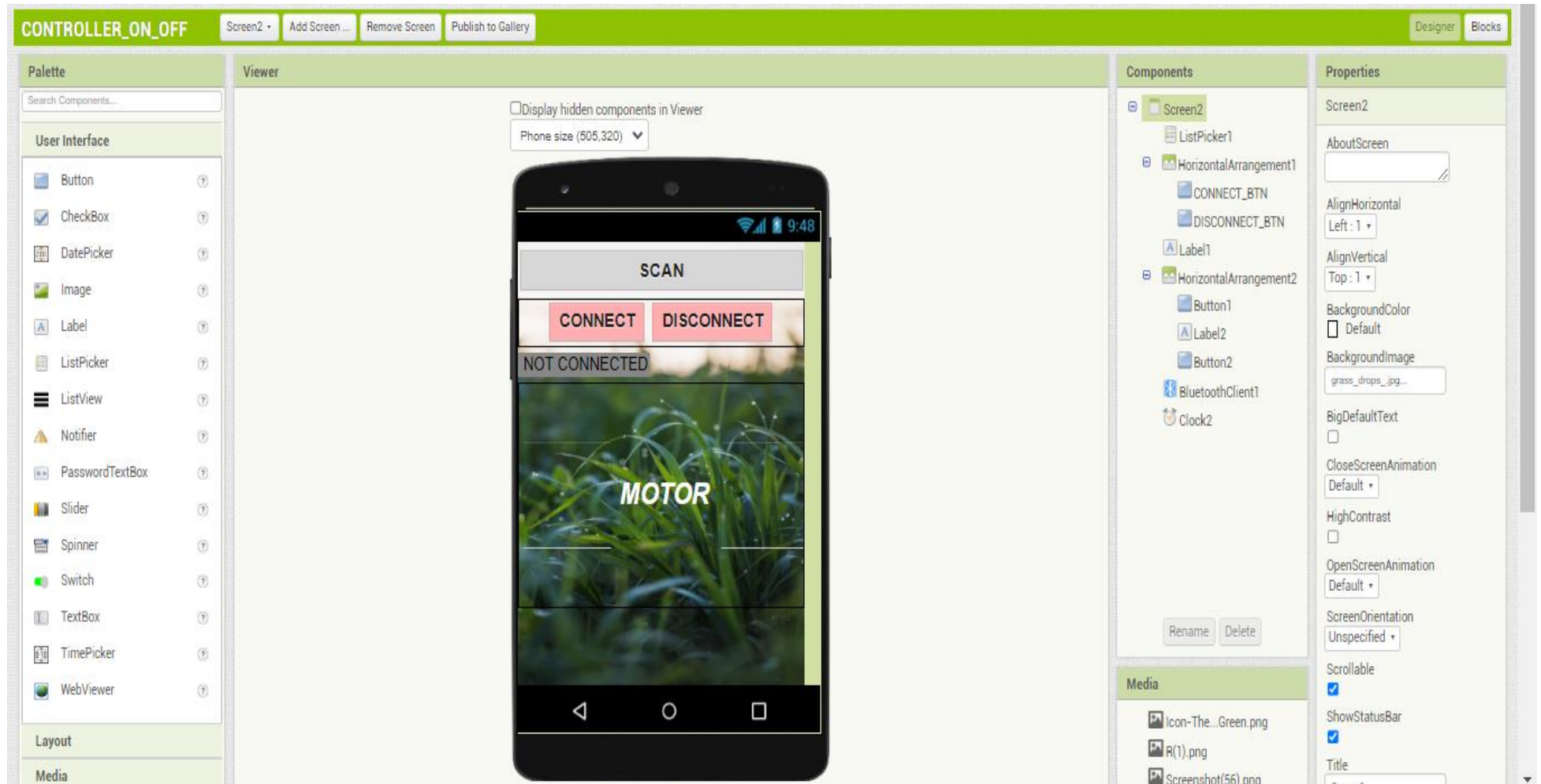
Using the MIT app inventor to create the app application to ON/OFF the motor in the field with connecting the Bluetooth module and to connect the node red with MIT app inventor and show the level of Temperature , Humidity and Soil moisture.

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

SCREEN 1:



SCREEN 2 :



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
- WebView

Layout

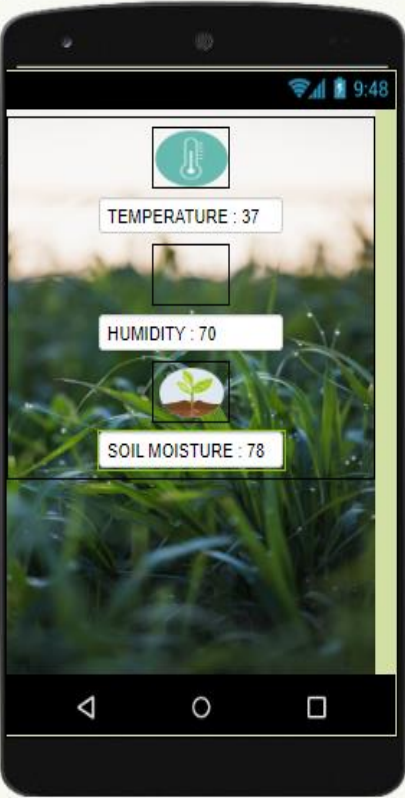
Media

Drawing and Animation

Viewer

☐ Display hidden components in Viewer

Phone size (505,320)



Non-visible components

Components

- Screen3
 - VerticalArrangement1
 - VerticalArrangement2
 - TextBox1
 - VerticalArrangement3
 - TextBox2
 - VerticalArrangement4
 - TextBox3
 - Web1
 - Web2
 - Web3
 - Clock3

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

Media

- Icon-The...Green.png
- R(1).png
- Screenshot(56).png
- Screenshot(58).png

BLOCK : SCREEN 1

The screenshot displays the Xcode storyboard editor for a screen named "CONTROLLER_ON_OFF". The interface includes a top bar with navigation buttons, a left sidebar with a "Blocks" palette, and a main "Viewer" area for the storyboard.

Blocks Palette:

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - VerticalArrangement1
 - Image1
 - HorizontalArrangen
 - Label1
 - TextBox1
 - HorizontalArrangen

Storyboard Logic:

- when Button1 .Click**
 - do**
 - if** (TextBox1 .Text == "crop" and TextBox2 .Text == "crop")
 - then** open another screen screenName Screen2
 - else** call Notifier1 .ShowAlert notice "check your credentials"
- when Clock1 .Timer**
 - do**
 - set Clock1 .TimerEnabled to false
 - open another screen screenName Screen2

Warnings: Two warnings are shown at the bottom left, both with a count of 0. A "Show Warnings" button is located below them.

Media: A media library at the bottom shows a file named "Icon-The...Green.png".

BLOCK: SCREEN 2

BLOCK : SCREEN 3

Blocks

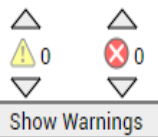
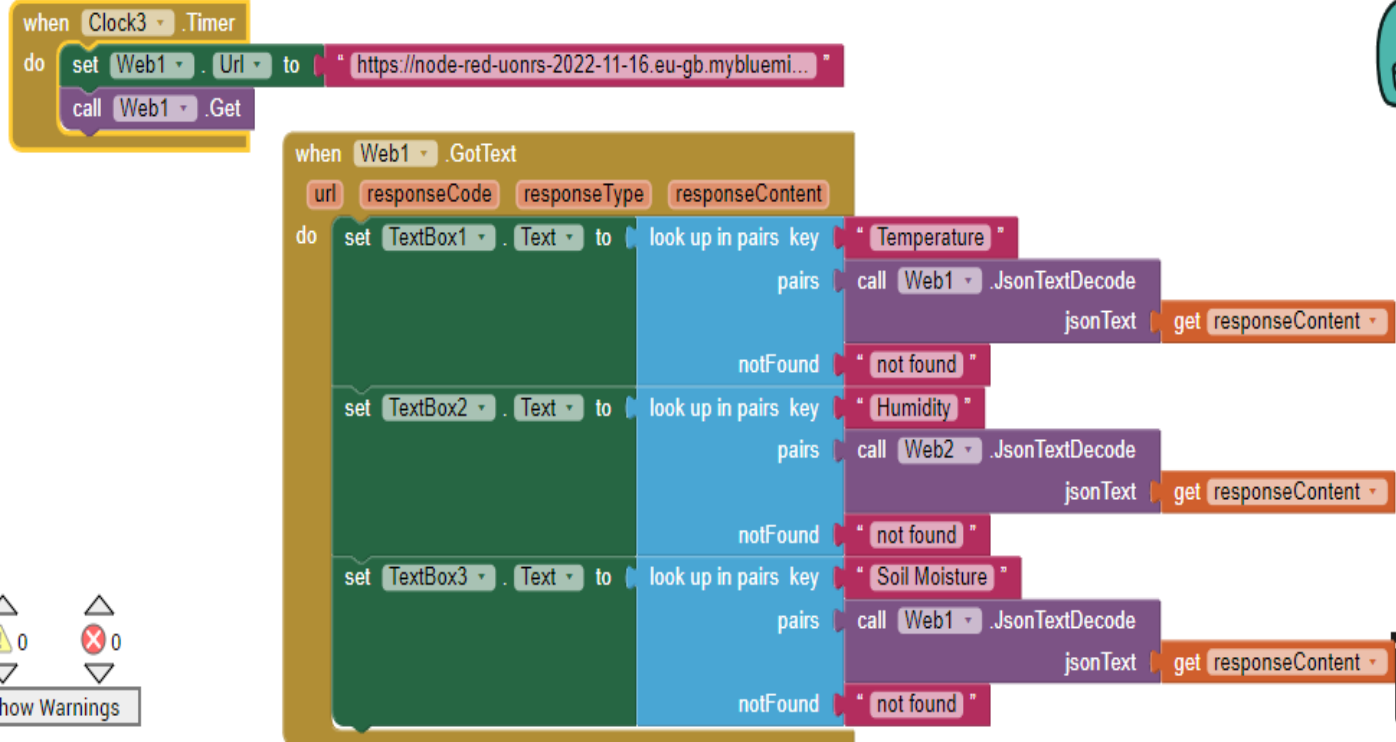
Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

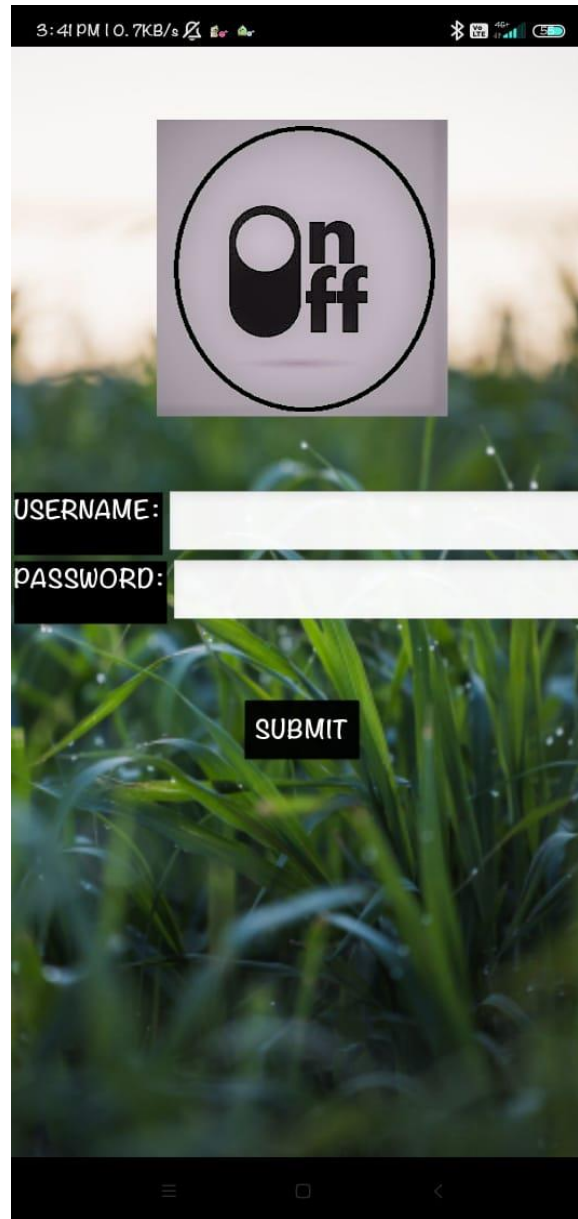
Screen3

- VerticalArrangement1
 - VerticalArrangement1
 - TextBox1
 - VerticalArrangement1
 - TextBox2
 - VerticalArrangement1


Viewer



OUTPUT :
SCREEN 1



3:41 PM | 0.7KB/s



USERNAME:

PASSWORD:

SUBMIT

SCREEN 2



SCREEN 2



SCREEN 3

