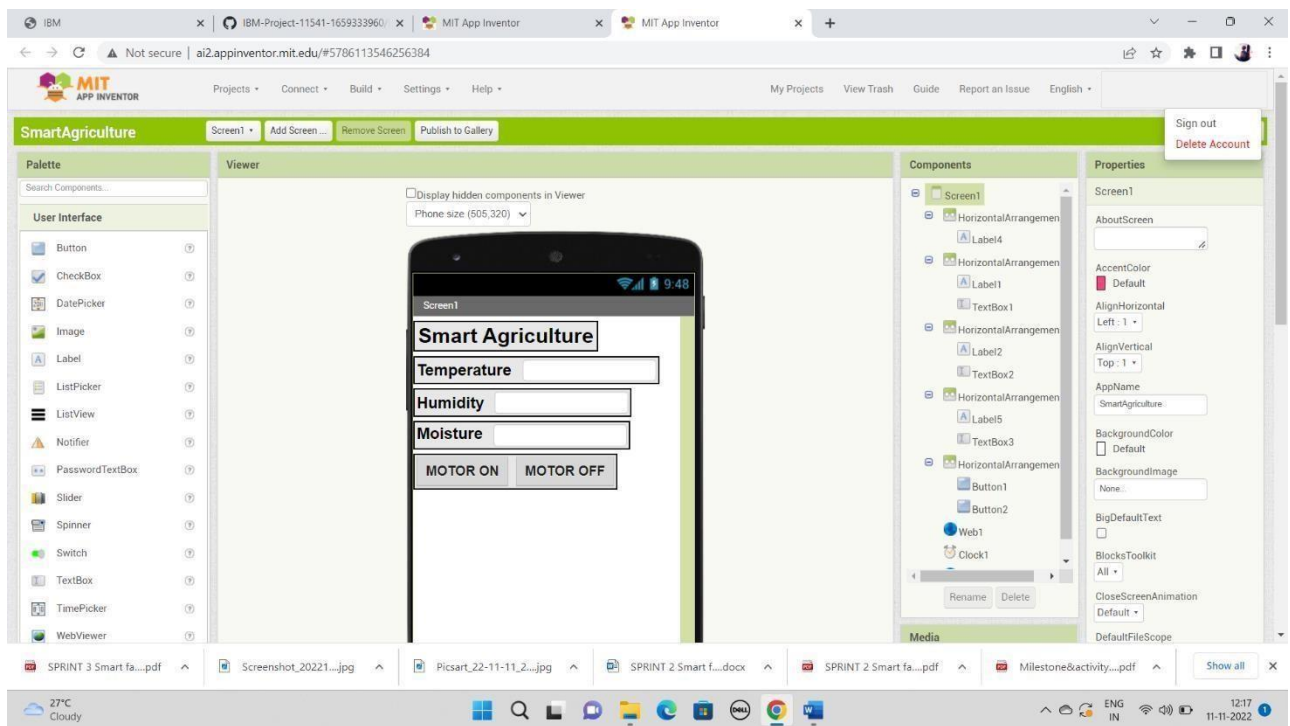


SPRINT 4

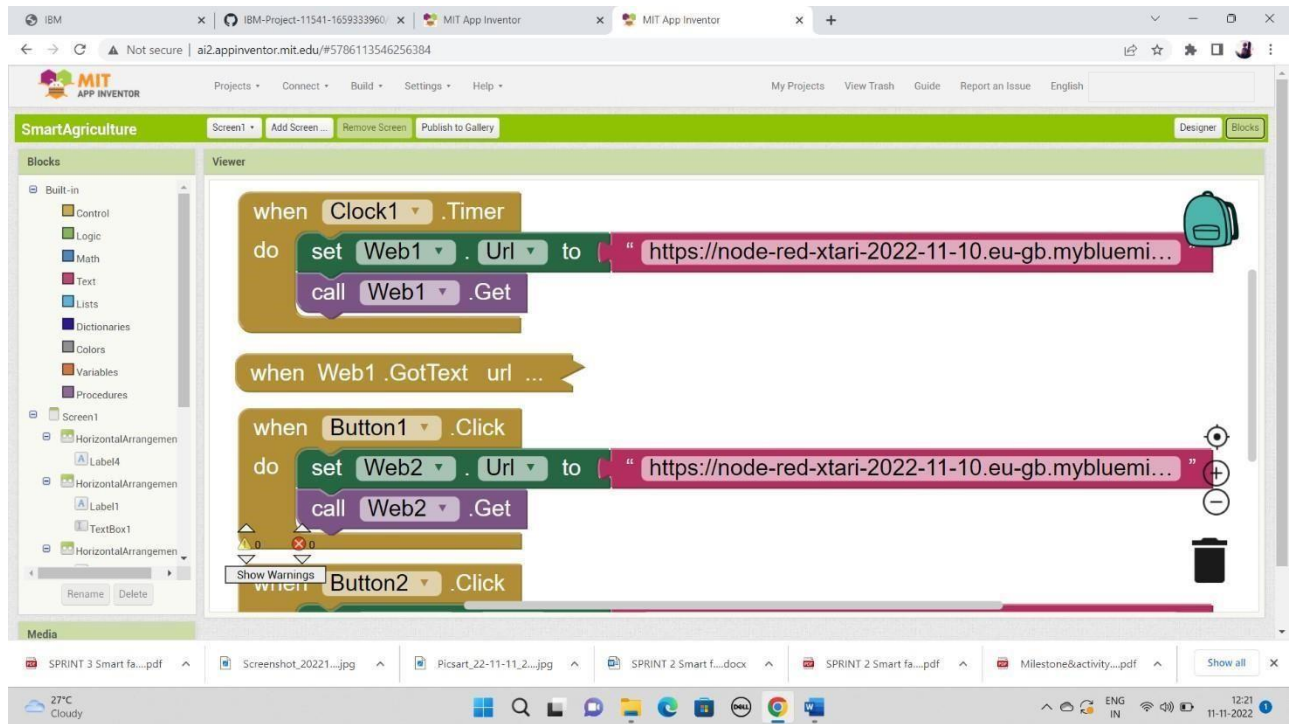
Team ID

PNT2022TMID14625

Creating a MIT Account



Creating Blocks to Build the Mobile Application



Configuring the Blocks with the Node Red Link

IBM x IBM-Project-11541-1659333960 x MIT App Inventor x MIT App Inventor x +

Not secure | ai2.appinventor.mit.edu/#5786113546256384

MIT APP INVENTOR

Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English

SmartAgriculture

Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

Built-in

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

Screen1

- HorizontalArrangemen
- Label4
- HorizontalArrangemen
- Label1
- TextBox1
- HorizontalArrangemen

Rename Delete

Viewer

```
when Clock1.Timer
do
  set Web1.Url to "https://node-red-xtari-2022-11-10.eu-gb.mybluemix.net"
  call Web1.Get

when Web1.GotText url ...

when Button1.Click
do
  set Web2.Url to "https://node-red-xtari-2022-11-10.eu-gb.mybluemi..."
  call Web2.Get

when Button2.Click
do
  set Web2.Url to "https://node-red-xtari-2022-11-10.eu-gb.mybluemi..."
  call Web2.Get
```

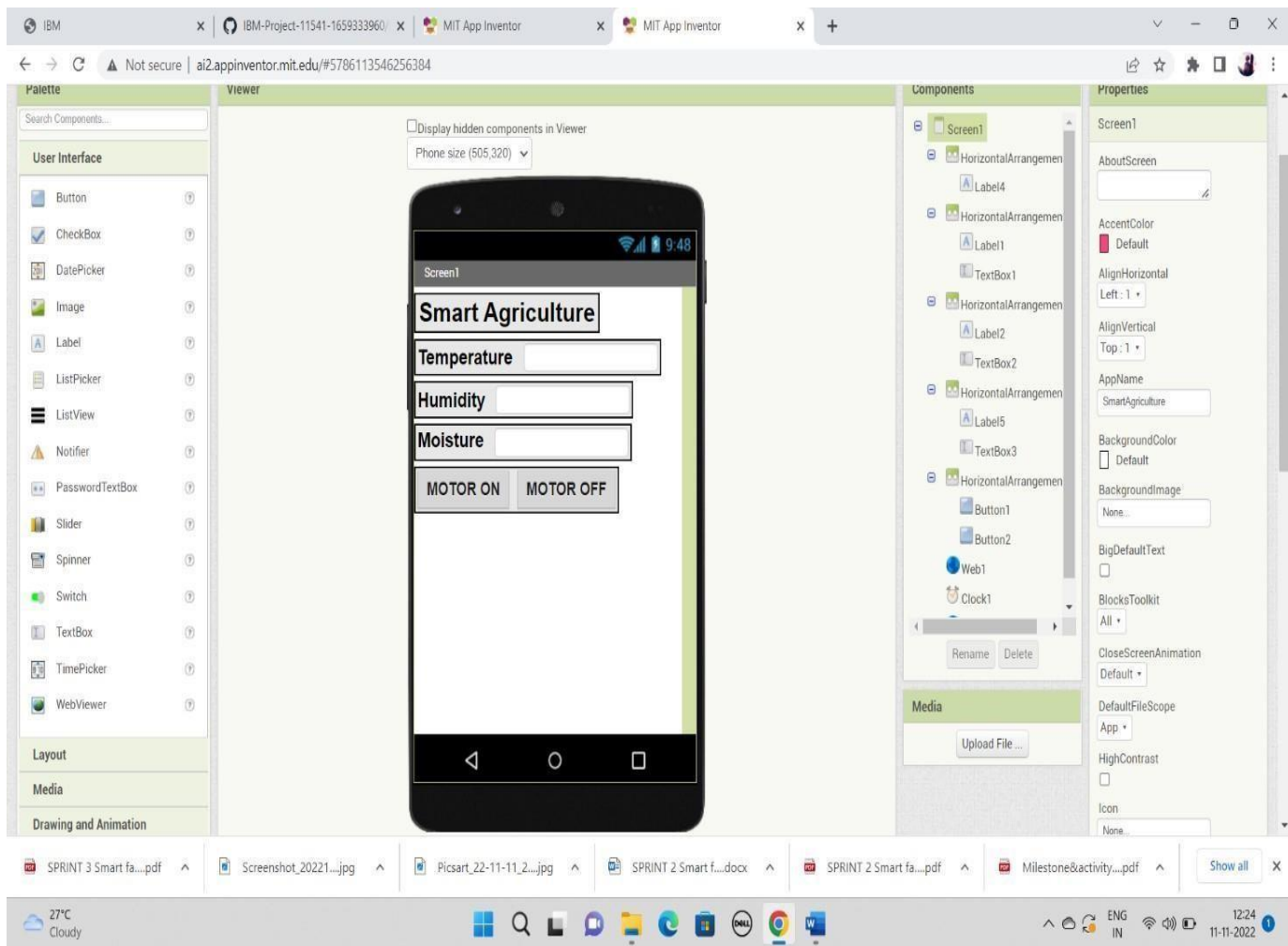
Show Warnings

Media

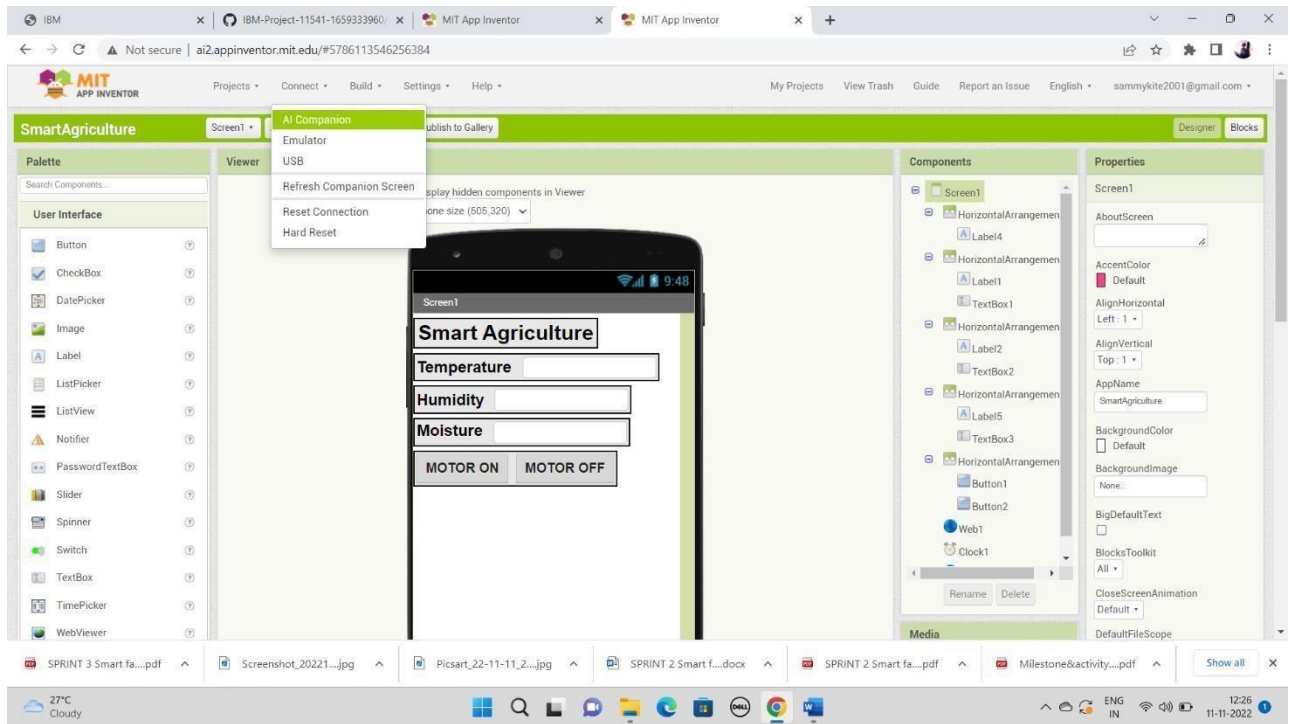
SPRINT 3 Smart fa...pdf Screenshot_20221...jpg Picsart_22-11-11_2...jpg SPRINT 2 Smart f...docx SPRINT 2 Smart fa...pdf Milestone&activity...pdf Show all X

27°C Cloudy 12:23 11-11-2022

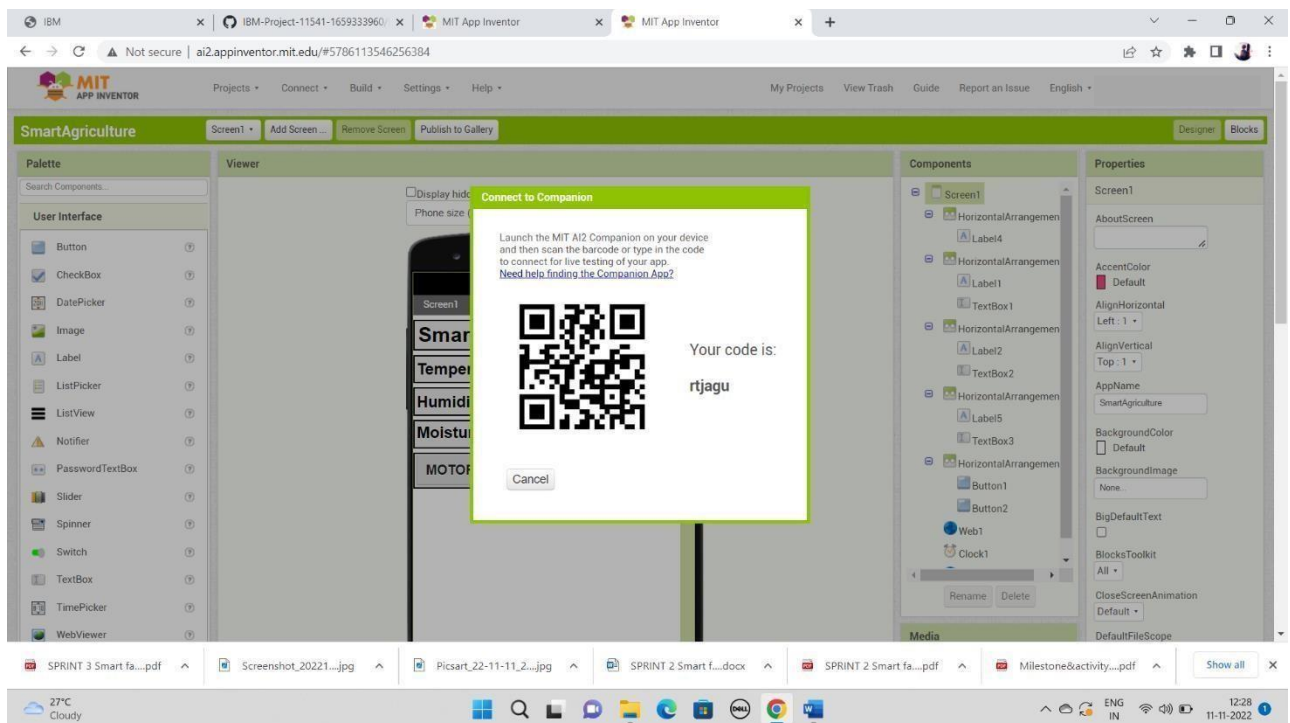
Creating the Mobile Interface



Connecting it to the AI Companion



QR Code to Connect with the Mobile



Mobile Connected Interface

Screen1

Smart Agriculture

Temperature

Temperature value

Humidity

Humidity value

Moisture

Moisture value

MOTOR ON

MOTOR OFF

Receiving Data

Screen1

Smart Agriculture

Temperature 69

Humidity 54

Moisture 45

MOTOR ON MOTOR OFF

Motor ON and Motor OFF Command and Output

Screen1

Smart Agriculture

Temperature 69

Humidity 54

Moisture 45

MOTOR ON

MOTOR OFF



The screenshot shows a web browser window with a dark theme. The address bar shows a URL starting with 'https://'. The browser's developer tools are open, displaying the 'debug' console. The console shows a series of log messages from a Node.js application. The messages are grouped by time and source. The first group shows a message at 11/11/2022, 1:51:11 AM from node: 0e1f6bb2ab4b3941, with a payload of an object containing a 'command' property set to 'motoroff'. The second group shows a message at the same time and source, with a payload of a string containing '[ApplicationClient:publish] Client is not connected'. The third group shows a message at the same time and source, with a payload of an object containing a 'command' property set to 'motoron'. The fourth group shows a message at the same time and source, with a payload of a string containing '[ApplicationClient:publish] Client is not connected'. The fifth group shows a message at the same time and source, with a payload of an object containing a 'command' property set to 'motoroff'. The sixth group shows a message at the same time and source, with a payload of a string containing '[ApplicationClient:publish] Client is not connected'. The seventh group shows a message at the same time and source, with a payload of an object containing a 'command' property set to 'motoron'.

```
11/11/2022, 1:51:11 AM node: 0e1f6bb2ab4b3941
msg.payload: Object
  { command: "motoroff" }

11/11/2022, 1:51:11 AM node: IBM IoT
msg: string[51]
"[ApplicationClient:publish] Client
is not connected"

11/11/2022, 1:51:11 AM node: 0e1f6bb2ab4b3941
msg.payload: Object
  { command: "motoron" }

11/11/2022, 1:51:11 AM node: IBM IoT
msg: string[51]
"[ApplicationClient:publish] Client
is not connected"

11/11/2022, 1:51:11 AM node: 0e1f6bb2ab4b3941
msg.payload: Object
  { command: "motoroff" }

11/11/2022, 1:51:11 AM node: IBM IoT
msg: string[51]
"[ApplicationClient:publish] Client
is not connected"

11/11/2022, 1:51:11 AM node: 0e1f6bb2ab4b3941
msg.payload: Object
  { command: "motoron" }
```