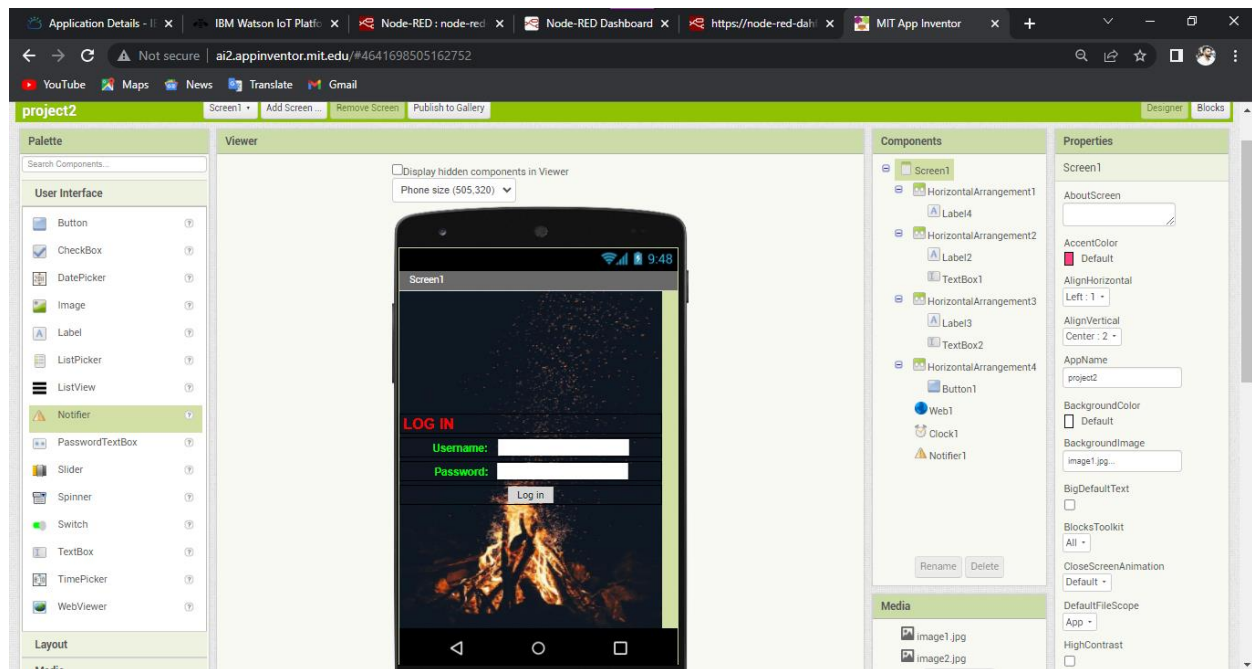


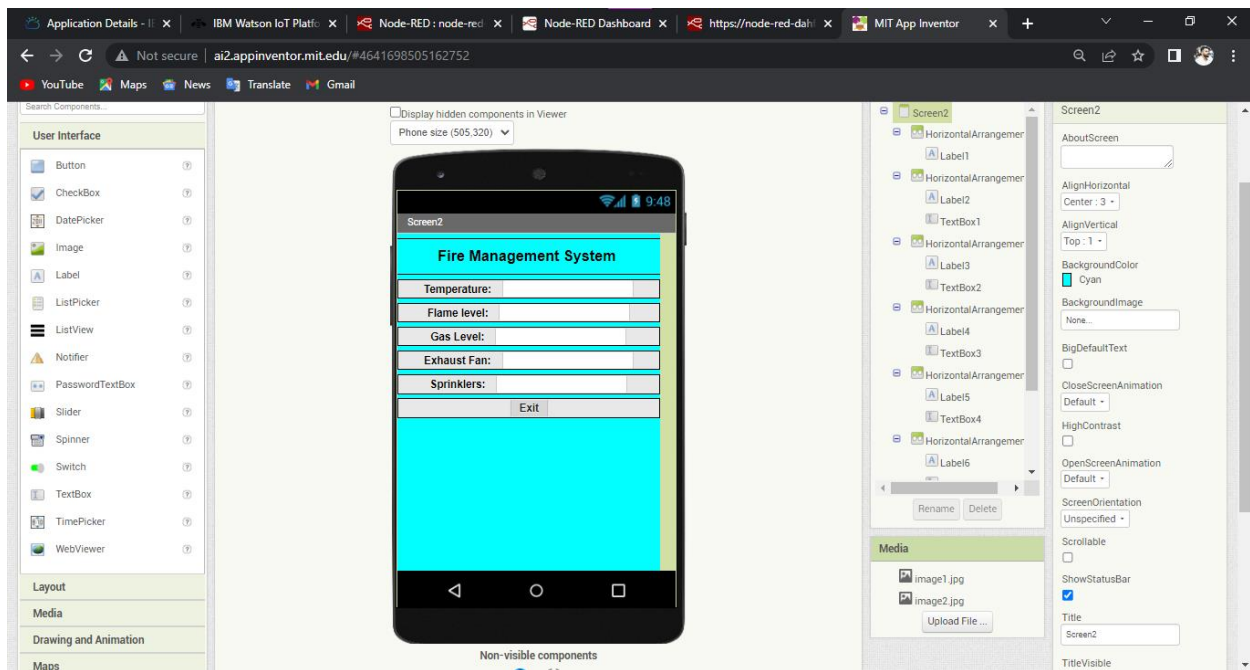
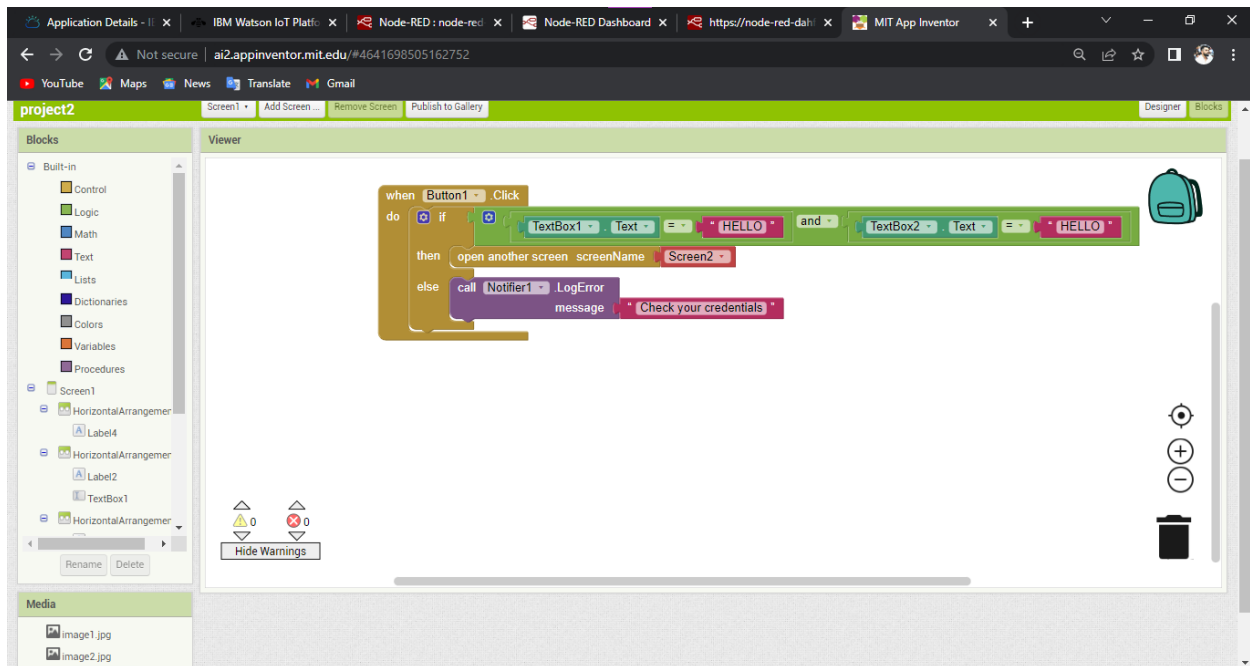
PROJECT DEVELOPMENT PHASE

SPRINT – 4

Team ID	PNT2022TMID11542
Project Name	Industry – Specific Intelligent Fire Management System
Date	14 November 2022

Creating App using MIT App Inventor:





Application Details - 11 x IBM Watson IoT Platf... Node-RED : node-red x Node-RED Dashboard x https://node-red-dah... MIT App Inventor x +

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project2 Screen2 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen2
 - HorizontalArranger
 - Label1
 - HorizontalArranger
 - Label2
 - TextBox1

Media

Viewer

when Clock1 Timer

do

- set Web1 Url to https://node-red-dahfa-2022-11-13-eu-gb.myblueml...
- call Web1 Get

when Web1 GotText

url responseCode responseType responseContent

do

- set TextBox1 Text to look up in pairs key temp pairs call Web1 JsonTextDecode jsonText get responseContent
- notFound not found
- set TextBox2 Text to look up in pairs key flame pairs call Web1 JsonTextDecode jsonText get responseContent
- notFound not found
- set TextBox3 Text to look up in pairs key gas pairs call Web1 JsonTextDecode jsonText get responseContent
- notFound not found
- If 1 = look up in pairs key exhaust

Hide Warnings

Application Details - 11 x IBM Watson IoT Platf... Node-RED : node-red x Node-RED Dashboard x https://node-red-dah... MIT App Inventor x +

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Viewer

if 1 = look up in pairs key exhaust pairs call Web1 JsonTextDecode jsonText get responseContent

notFound not found

then set TextBox4 Text to Fan on

else set TextBox4 Text to Fan off

if 1 = look up in pairs key Sprinklers pairs call Web1 JsonTextDecode jsonText get responseContent

notFound not found

then set TextBox5 Text to Sprinklers on

else set TextBox5 Text to Sprinklers off

when Button1 Click

do

- open another screen screenName Screen1

Hide Warnings

23:08



VoLTE 4G+ 49

Screen1

LOG IN

Username:

HELLO

Password:

HELLO

Log in



23:10

V0 LTE 4G+ 48

Screen2

Fire Management System

Temperature: 84

Flame level: 10

Gas Level: 100

Exhaust Fan: Fan on

Sprinklers: Sprinklers on

Exit

23:08



V0 LTE 4G+ 49

Screen2

Fire Management System

Temperature: 51

Flame level: 0

Gas Level: 98

Exhaust Fan: Fan on

Sprinklers: Sprinklers off

Exit