Develop the Web Application using Node-Red

Team ID	PNT2022TMID04593
Project Name	Smart waste management system for metropolitan cities

Step 1: In Backend NODE – RED output is fetched to MIT APP INVENTOR

Step2: In MIT APP INVENTOR design the output screen layout using various tools available in the platform

Step 3: Then click on connect then click on AI COMPANION

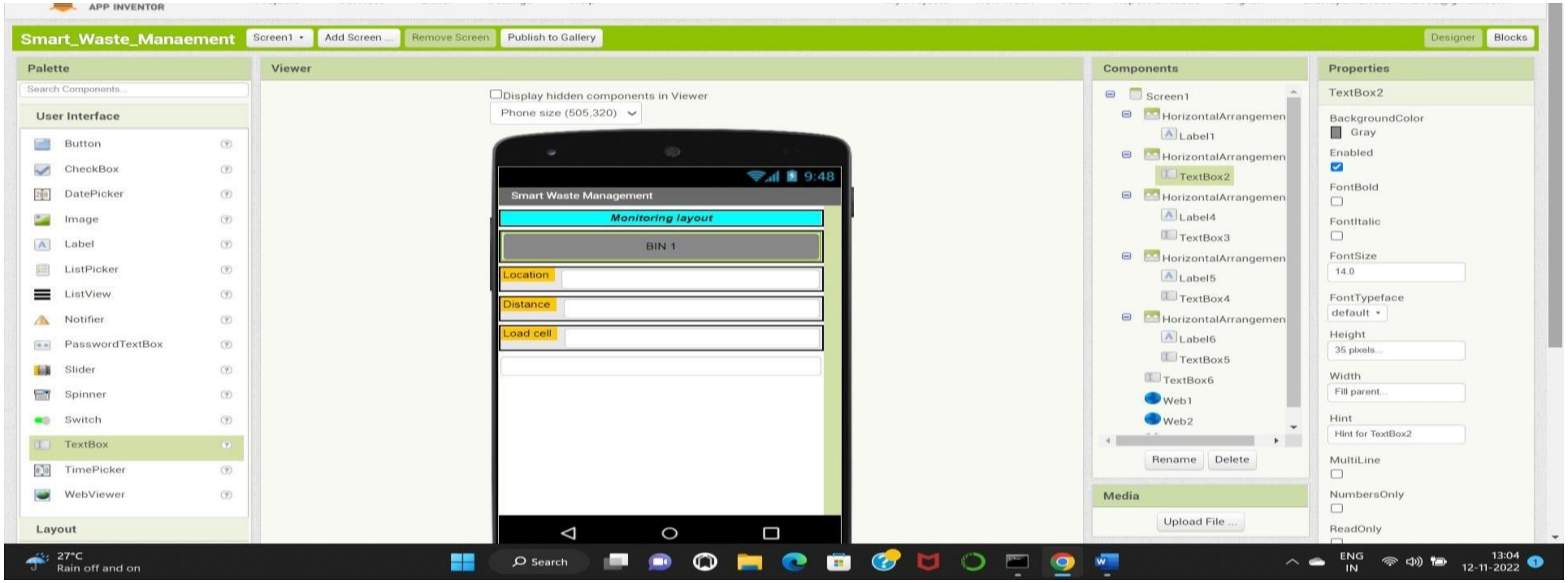
Step 4: Scan the QR code being displayed

Step 5: To scan the code install MIT AI2 COMPANION app in your mobile

Step 6: Now scan the code and the output is shown in mobile.

SCREENSHOTS OF MIT INVENTOR:

MIT WEBPAGE DESIGN WINDOW



TextBox2

BackgroundColor
Gray

Enabled
☑

FontBold
□

FontItalic
□

FontSize
14.0

FontTypeface
default ▾

Height
35 pixels...

Width
Fill parent...

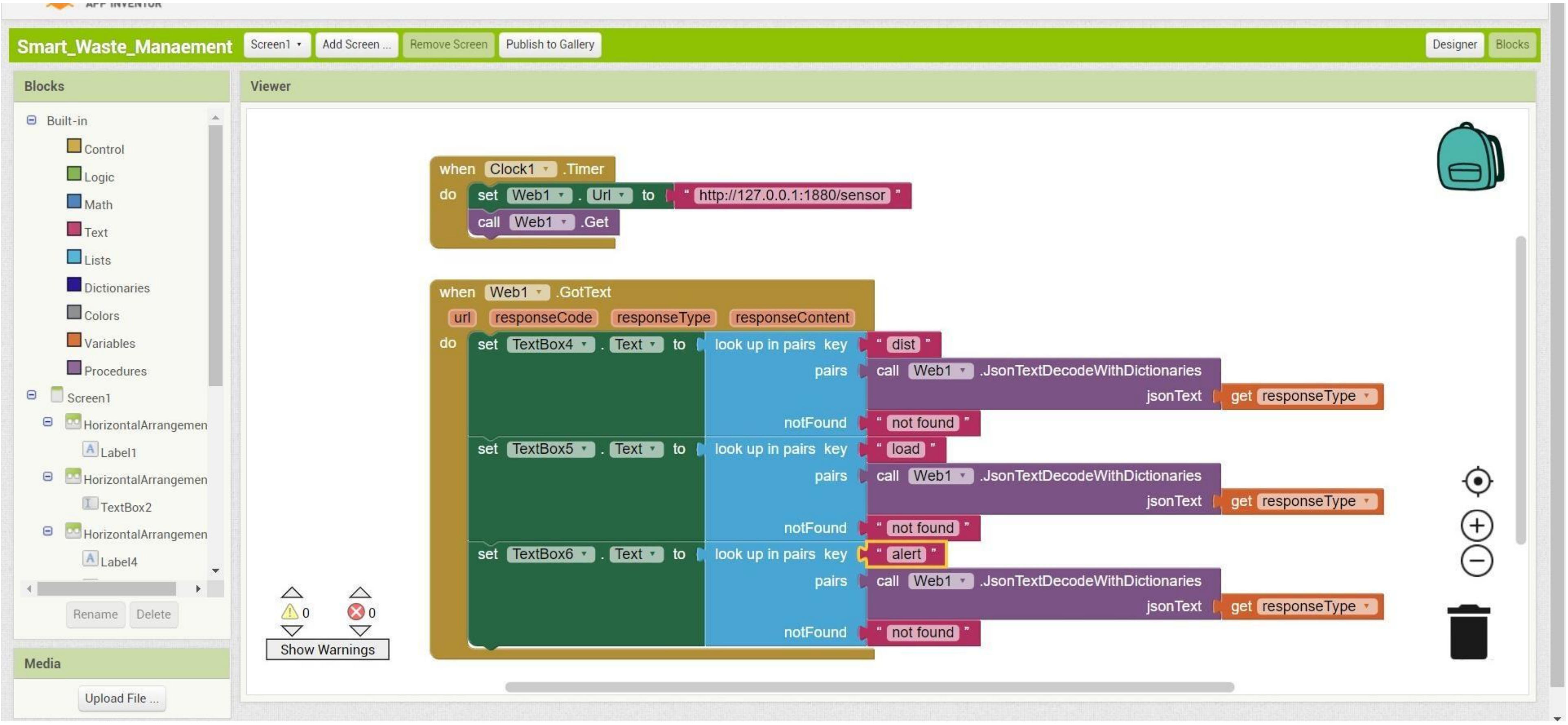
Hint
Hint for TextBox2

MultiLine
□

NumbersOnly
□

ReadOnly

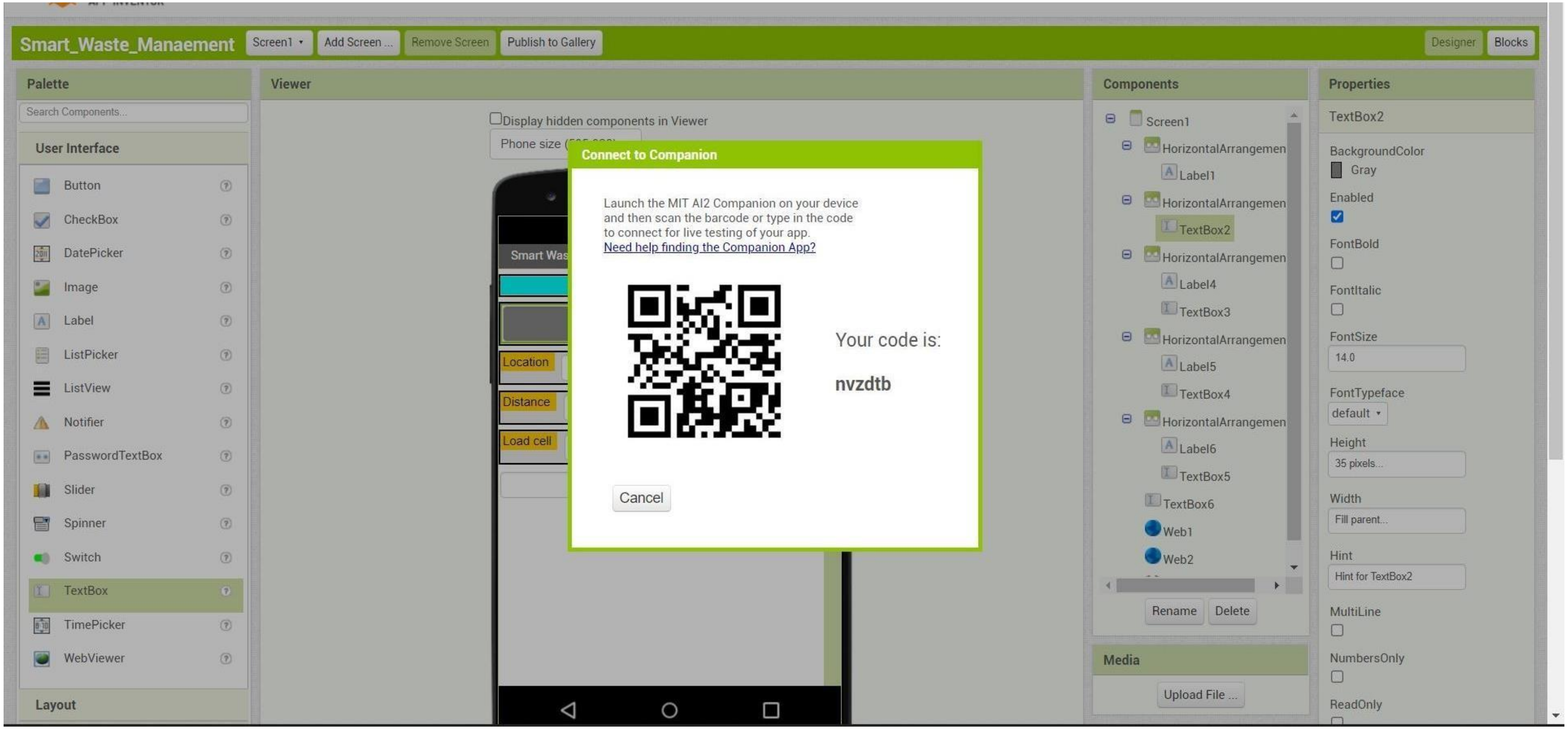
BACKEND NODE RED FLOW CONNECTION



```
when Clock1 .Timer
do  set Web1 . Url to "http://127.0.0.1:1880/sensor"
    call Web1 .Get

when Web1 .GotText
    url  responseCode  responseType  responseContent
do  set TextBox4 . Text to  look up in pairs  key  "dist"
                                              pairs  call Web1 .JsonTextDecodeWithDictionaries
                                                                                 jsonText  get responseType
                                           notFound  "not found"
    set TextBox5 . Text to  look up in pairs  key  "load"
                                              pairs  call Web1 .JsonTextDecodeWithDictionaries
                                                                                 jsonText  get responseType
                                           notFound  "not found"
    set TextBox6 . Text to  look up in pairs  key  "alert"
                                              pairs  call Web1 .JsonTextDecodeWithDictionaries
                                                                                 jsonText  get responseType
                                           notFound  "not found"
```

QR CODE



□ Display hidden components in Viewer

Connect to Companion

Launch the MIT AI2 Companion on your device and then scan the barcode or type in the code to connect for live testing of your app.

Need help finding the Companion App?

Your code is:

nvzdtb

Cancel

TextBox2

BackgroundColor
Gray

Enabled
☑

FontBold
□

FontItalic
□

FontSize
14.0

FontTypeface
default

Height
35 pixels...

Width
Fill parent...

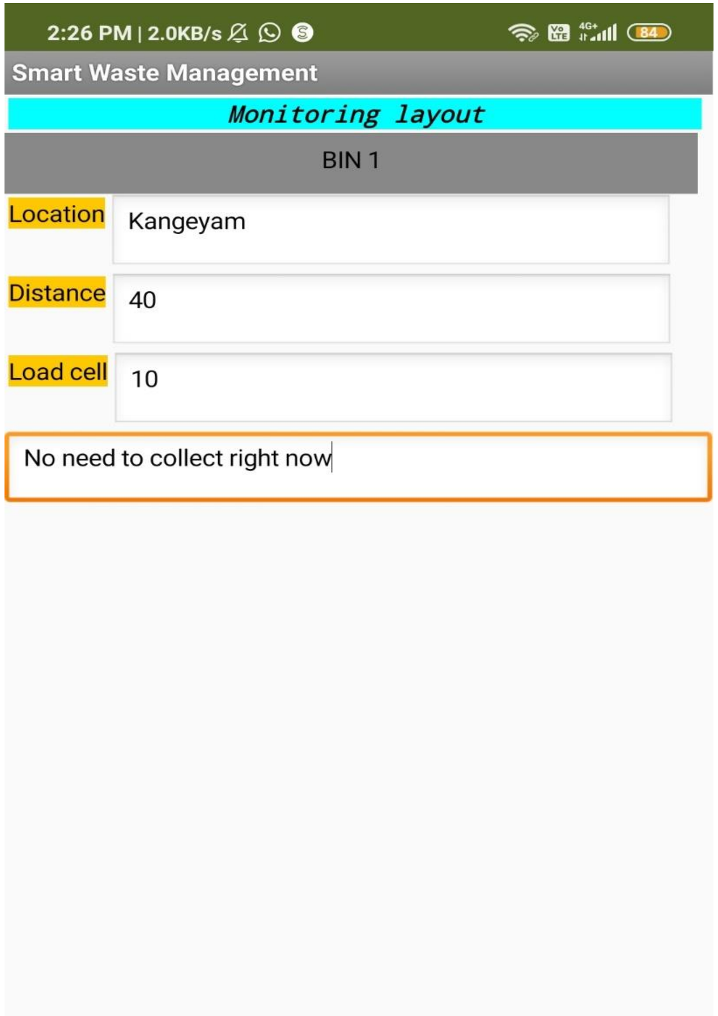
Hint
Hint for TextBox2

MultiLine
□

NumbersOnly
□

ReadOnly

OUTPUTS IN MOBILE



Smart Waste Management

Monitoring layout

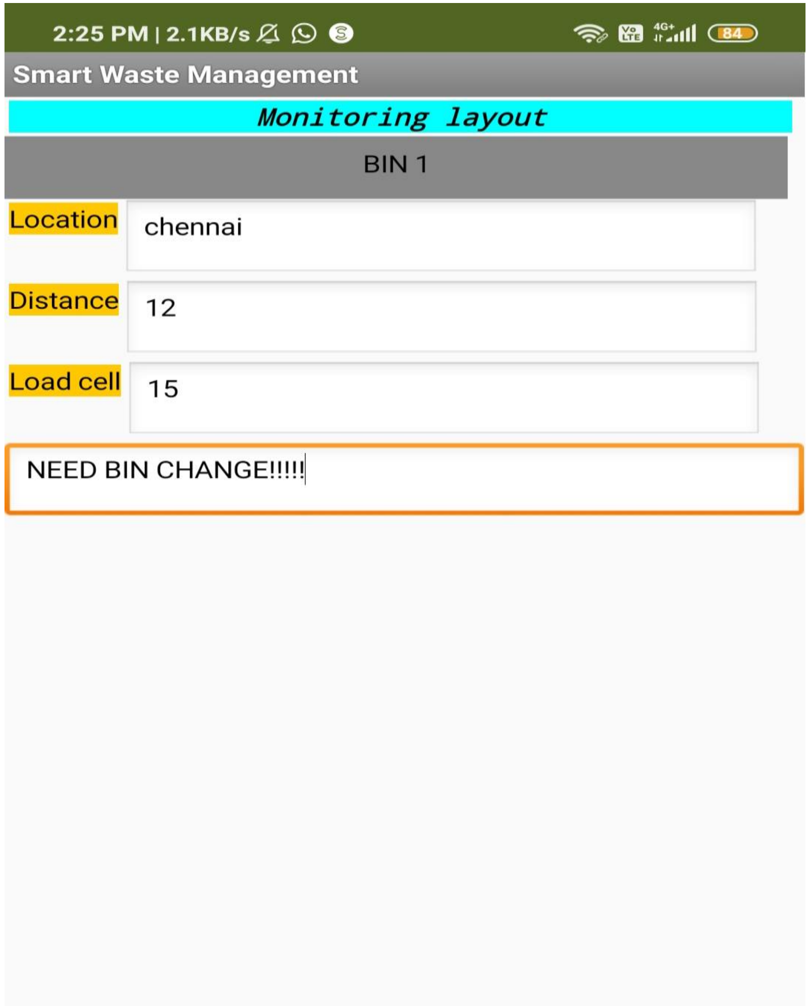
BIN 1

Location: Kangeyam

Distance: 40

Load cell: 10

No need to collect right now



Smart Waste Management

Monitoring layout

BIN 1

Location: chennai

Distance: 12

Load cell: 15

NEED BIN CHANGE!!!!!