

Sprint

Team ID	PNT2022TMID38320
Project Name	Smart Waste Management System for Metropolitan Cities

MIT Application:



MIT App Inventor

Not secure | ai2.appinventor.mit.edu/?ng=d8642e2d-3f3d-45d9-a7a9-3c5821beb197#6338661155995648

MIT APP INVENTOR

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waste_collector Screen1 • Add Screen... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - Image1
 - HorizontalArrangemen
 - Label1
 - TextBox1
 - HorizontalArrangemen
 - Label3

Rename Delete

Media

- garbages...rdownload
- wrokerdetails.png

Viewer

when Button1 Click

do open another screen screenName Screen2

Show Warnings

Lenovo Vantage

Is your PC protected?
Run a quick performance check on your PC for any harmful malware, adware, ransomware infections

Launch Dismiss

28°C Mostly clear

Search the web

ENG IN 20:47 25-11-2022

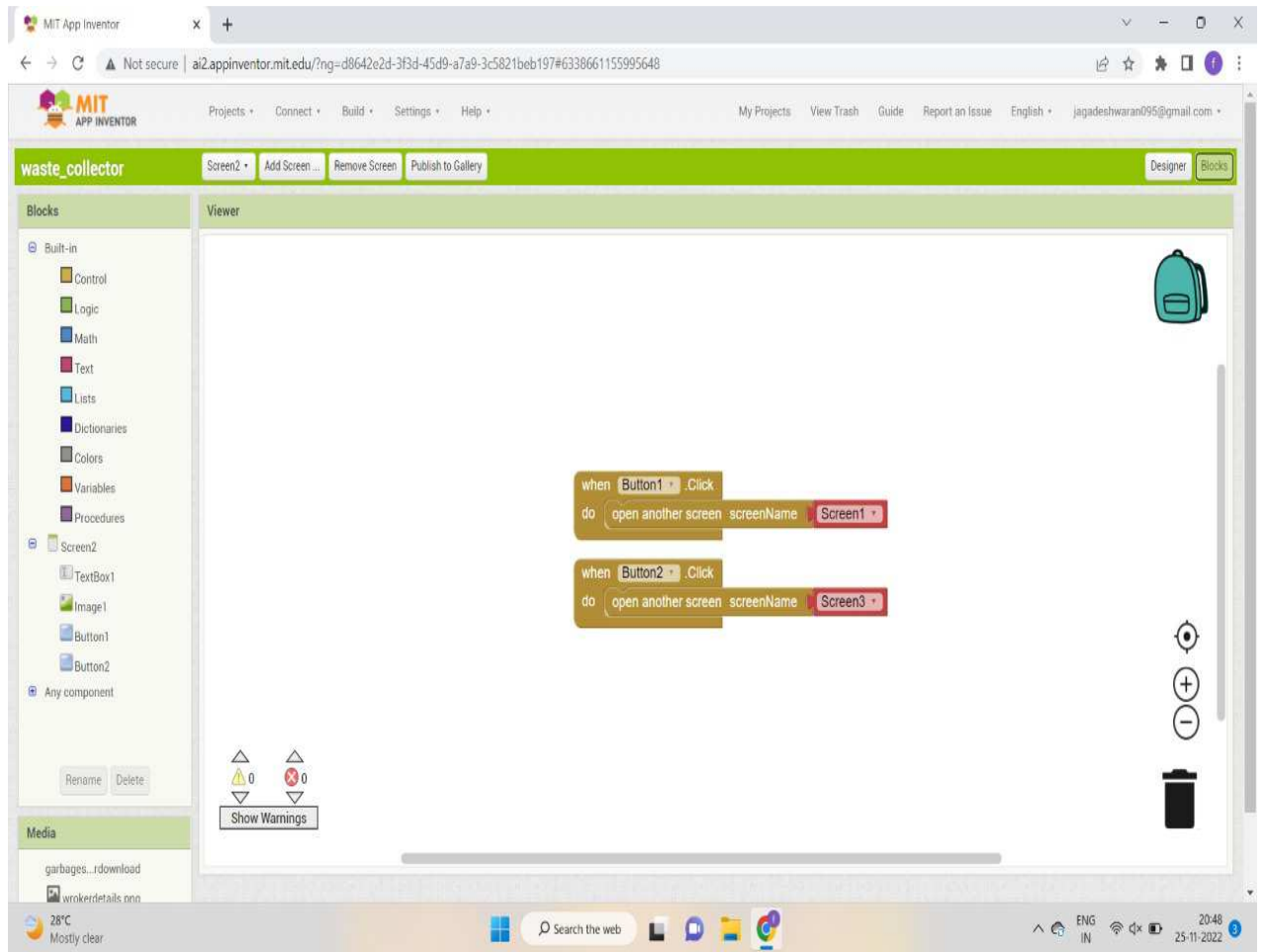
Screen2

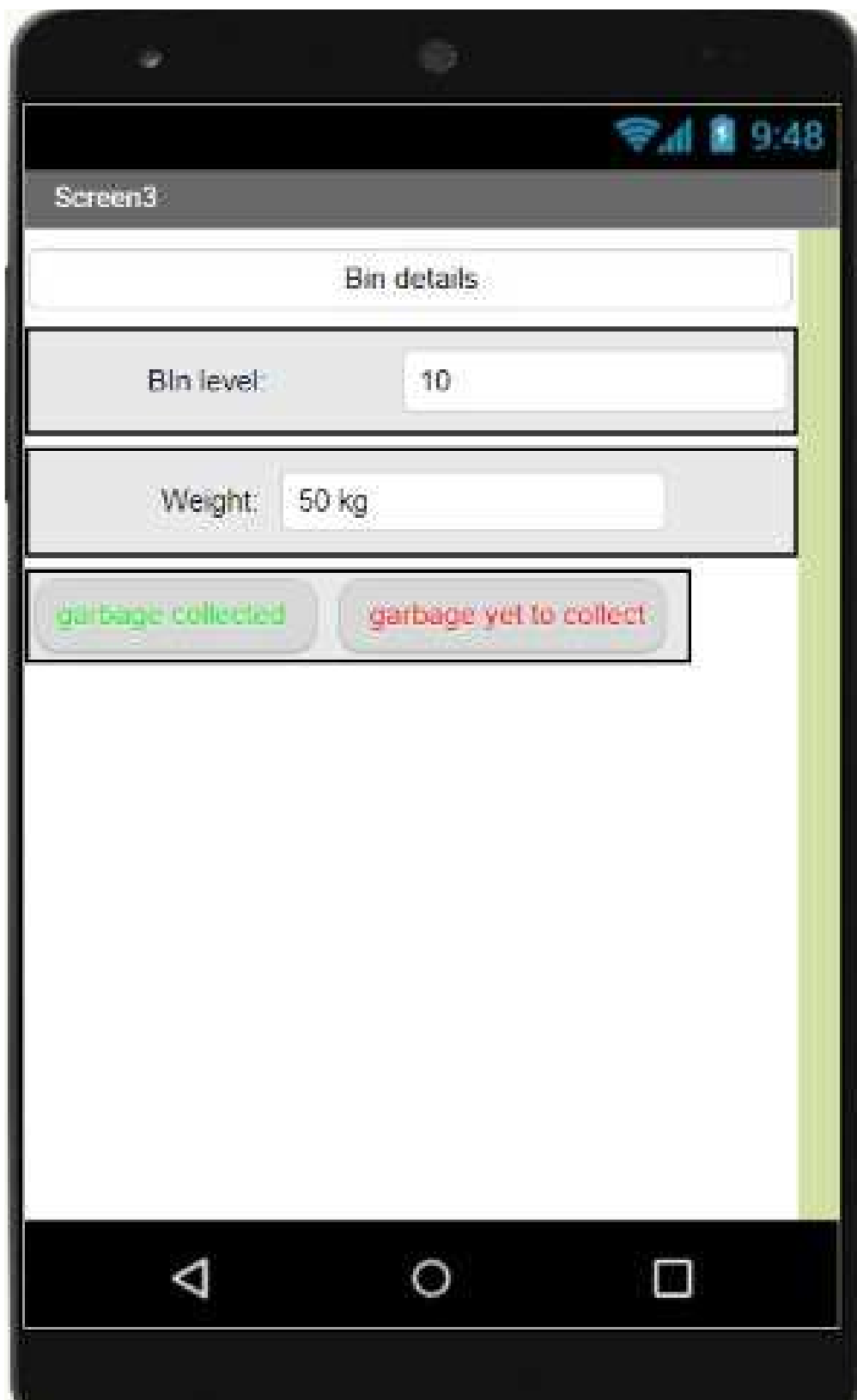
worker details

WORKER ID	BN NUMBER	LOCATION	CONTACT NUMBER
AZ4801	81	SADAFET	9876543210
AZ4802	82	CHOVVET	9123456789
AZ4803	83	MADAM FARM	9783300211
AZ4804	84	VELACHERY	923456789
AZ4805	85	TNAGAI	9252529005
AZ4806	86	MADAVARAM	73456789010
AZ4807	87	WEST NAMBALAM	946270807

previous

forward





MIT App Inventor interface showing a project named "smartwastemanagement". The interface includes a left sidebar with "Blocks" and "Media" sections, a top navigation bar, and a central "Viewer" area displaying a block-based code editor.

Blocks Section:

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen3
 - TextBox1
 - HorizontalArrangemen
 - HorizontalArrangemen
 - Label1
 - TextBox2
 - HorizontalArrangemen

Media Section:

- WORKERID.jpg

Viewer Area (Code Editor):

```
when Clock1.Timer do
  set Web1.Url to https://mode-red-4typ-2022-11-04.eu-gb.mybluemix.net
  call Web1.Get

when Web1.GetText do
  set TextBox2.Text to look up in pairs key binlevel
  call Web1.JsonTextDecode jsonText get [responseContent]
  set TextBox3.Text to look up in pairs key weight
  call Web1.JsonTextDecode jsonText get [responseContent]

when Button1.Click do
  set Web1.Url to https://mode-red-4typ-2022-11-04.eu-gb.mybluemix.net
  call Web1.Get

when Button2.Click do
  set Web1.Url to https://mode-red-4typ-2022-11-04.eu-gb.mybluemix.net
  call Web1.Get
```

The interface also shows a "Show Warnings" button and a status bar at the bottom indicating the temperature (28°C) and weather (Mostly clear).

MIT App Inventor x IBM x IBM-Project-15628-165960 x whatsapp web - Yahoo Indi x (63) WhatsApp x Node-RED: 169.51.205.97 x

github.com/IBM-EPBL/IBM-Project-15628-1659602001/blob/main/Project%20Development%20Phase/Sprint%204/MIT%20application%20(1)%20(1).pdf

Node-RED

Flow 2

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range
- template
- delay
- trigger

Flow 2 Diagram:

```
graph LR
    IBM[IBM IoT] --> latitude
    IBM --> bnievel
    IBM --> longitude
    IBM --> weight
    latitude --> msg_payload1[msg payload]
    bnievel --> msg_payload1
    longitude --> msg_payload1
    weight --> msg_payload1
    switch --> ALERT[ALERT]
    ALERT --> WEB_ALERT[WEB ALERT]
    WEB_ALERT --> msg_payload2[msg payload]
    GET_ID[get idata] --> data
    data --> http1[http]
    Garbage_Collected[Garbage Collected] --> IBM2[IBM IoT]
    Garbage_Yet_To_Collect[Garbage yet to collect] --> msg_payload3[msg payload]
    GET_COMMAND[get icommand] --> http2[http]
```

Debug Console:

```
{ command: "Garbage collected" }
11/18/2022, 3:18:22 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage yet to collec" }
11/18/2022, 3:18:23 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage yet to collec" }
11/18/2022, 3:18:25 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage yet to collec" }
11/18/2022, 3:18:51 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage yet to collec" }
11/18/2022, 3:19:05 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage collected" }
11/18/2022, 3:19:11 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage collected" }
11/18/2022, 3:19:15 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage collected" }
11/18/2022, 3:19:18 PM node:66ad5de4e#00
msg.payload: Object
{ command: "Garbage yet to collec" }
```

bin.png

28°C Mostly clear

Search the web

ENG IN

20:58 25-11-2022