

## Delivery of Sprint – 4

Date	12 November 2022
Team ID	PNT2022TMID49521
Project Name	IOT – Smart Waste Management Systems for Metropolitan Cities
Story Points	20

### 1. Functional Requirements: Customer Review App

User story: USN-5

#### Solution:

##### i. Opening Screen

11/11/22, 7:10 PM MIT App Inventor

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Harmful\_Waste\_Detector Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

**Blocks**

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures
- Screen1
- HorizontalArrangement1
- Image1
- Label1
- Clock1
- Any component

**Viewer**

when Clock1.Timer do open another screen screenName Screen2

Show Warnings



## ii. Login Screen





A mobile application registration screen with a blue background and bokeh effects. At the top is a black trash can icon. Below it are two white text input fields labeled "UserName :" and "Password :". In the center is a blue oval button with the text "New User Registration". At the bottom is a blue rectangular button with the text "Submit".

### iii. Registration Screen

11/9/22, 8:51 PM MIT App Inventor

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**Harmful\_Waste\_Detector** Screen3 Add Screen... Remove Screen Publish to Gallery Designer Blocks

**Blocks**


- Built-in
  - Control
  - Logic
  - Math
  - Text
  - Lists
  - Dictionaries
  - Colors
  - Variables
  - Procedures
- Screen3
  - VerticalArrangement1
  - HorizontalArrangement1
  - HorizontalArrangement2
  - HorizontalArrangement3
  - Image1
  - HorizontalArrangement4

**Viewer**

```


when Button1.Click
do
  set FirebaseDB1.ProjectBucket to 
  call FirebaseDB1.StoreValue
    tag Name
    valueToStore TextBox4.Text
  call FirebaseDB1.StoreValue
    tag Password
    valueToStore TextBox5.Text
  call FirebaseDB1.StoreValue
    tag Address
    valueToStore TextBox3.Text
  call FirebaseDB1.StoreValue
    tag E-Mail ID
    valueToStore TextBox2.Text
  call FirebaseDB1.StoreValue
    tag Whatsapp Number
    valueToStore TextBox1.Text
  
```

0 0 Show Warnings



Username :   
 Password :   
 Address :   
 E-Mail ID :   
 Whatsapp Number :

Submit



Username : AAAA  
 Password : BBBB  
 Address : CCCC  
 E-Mail ID : ABCD@gmail.com  
 Whatsapp Number : 0000000000

Submit

#### iv. Comment Screen

11/11/22, 6:52 PM MIT App Inventor

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Harmful\_Waste\_Detector Screen4 Add Screen... Remove Screen Publish to Gallery Designer Blocks

**Blocks**


- Built-in
  - Control
  - Logic
  - Math
  - Text
  - Lists
  - Dictionaries
  - Colors
  - Variables
  - Procedures
  - Screen4
    - VerticalArrangement1
    - HorizontalArrangement1
    - HorizontalArrangement2
    - HorizontalArrangement3
    - Image1
    - HorizontalArrangement4

**Viewer**

```

when Button1.Click
do
  set FirebaseDB1.ProjectBucket to 
  call FirebaseDB1.StoreValue
    tag Complaint
    valueToStore TextBox1.Text
  
```

0 0 Show Warnings



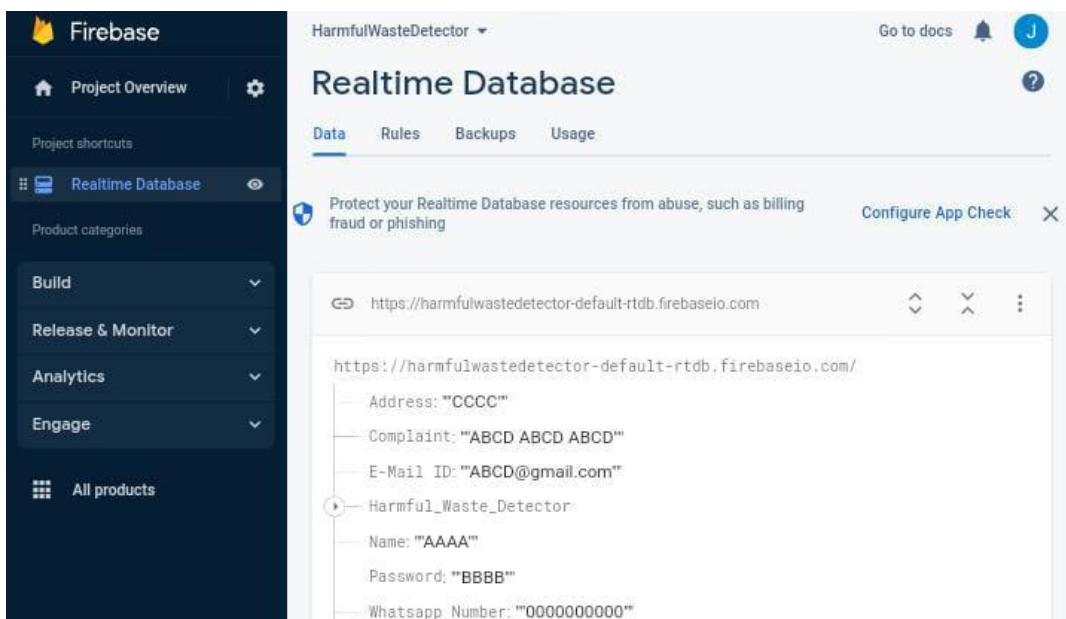
## Garbage Bin

Comment your Issue :

ABCD ABCD ABCD

Submit

## v. Storing Comment Data



The screenshot shows the Firebase Realtime Database interface for the project 'HarmfulWasteDetector'. The left sidebar contains the Firebase logo and navigation links: Project Overview, Realtime Database (selected), Product categories, Build, Release & Monitor, Analytics, Engage, and All products. The main panel displays the 'Realtime Database' section with tabs for Data, Rules, Backups, and Usage. A security warning is visible: 'Protect your Realtime Database resources from abuse, such as billing fraud or phishing'. The URL bar shows the database path: `https://harmfulwastedetector-default-rtdb.firebaseio.com/`. The data is structured as follows:

```
https://harmfulwastedetector-default-rtdb.firebaseio.com/  
├── Address: "CCCC"  
├── Complaint: "ABCD ABCD ABCD"  
├── E-Mail ID: "ABCD@gmail.com"  
└── Harmful_Waste_Detector:  
    ├── Name: "AAAA"  
    ├── Password: "BBBB"  
    └── Whatsapp Number: "0000000000"
```