

PROJECT DEVELOPMENT PHASE

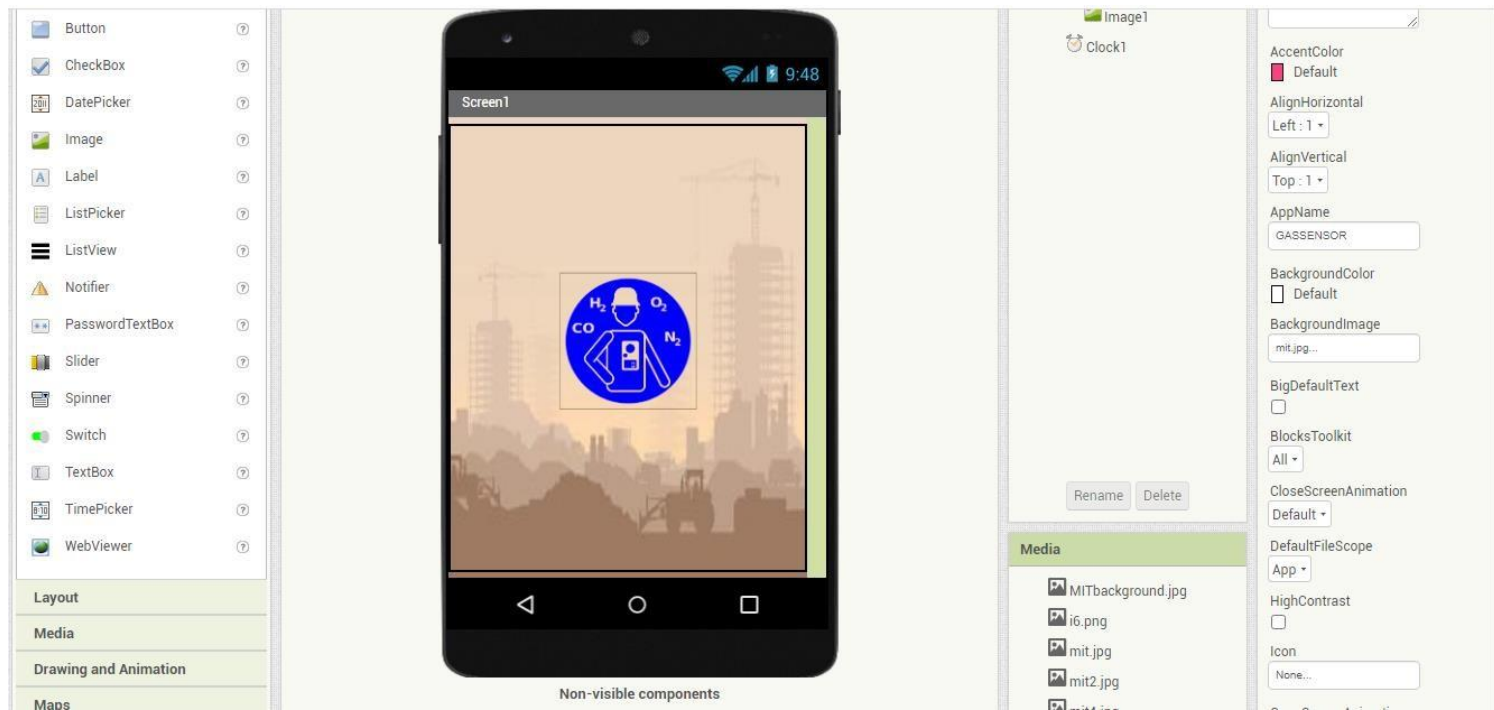
Delivery Of Sprint-1

Date	29 th October 2022
Team ID	PNT2022TMID45922
Project Name	Gas Leakage Monitoring and Alerting Systems

SPRINT 1:

Registration and Login Credentials.

Front End Of Screen-1 :



Back End Of Screen-2 :

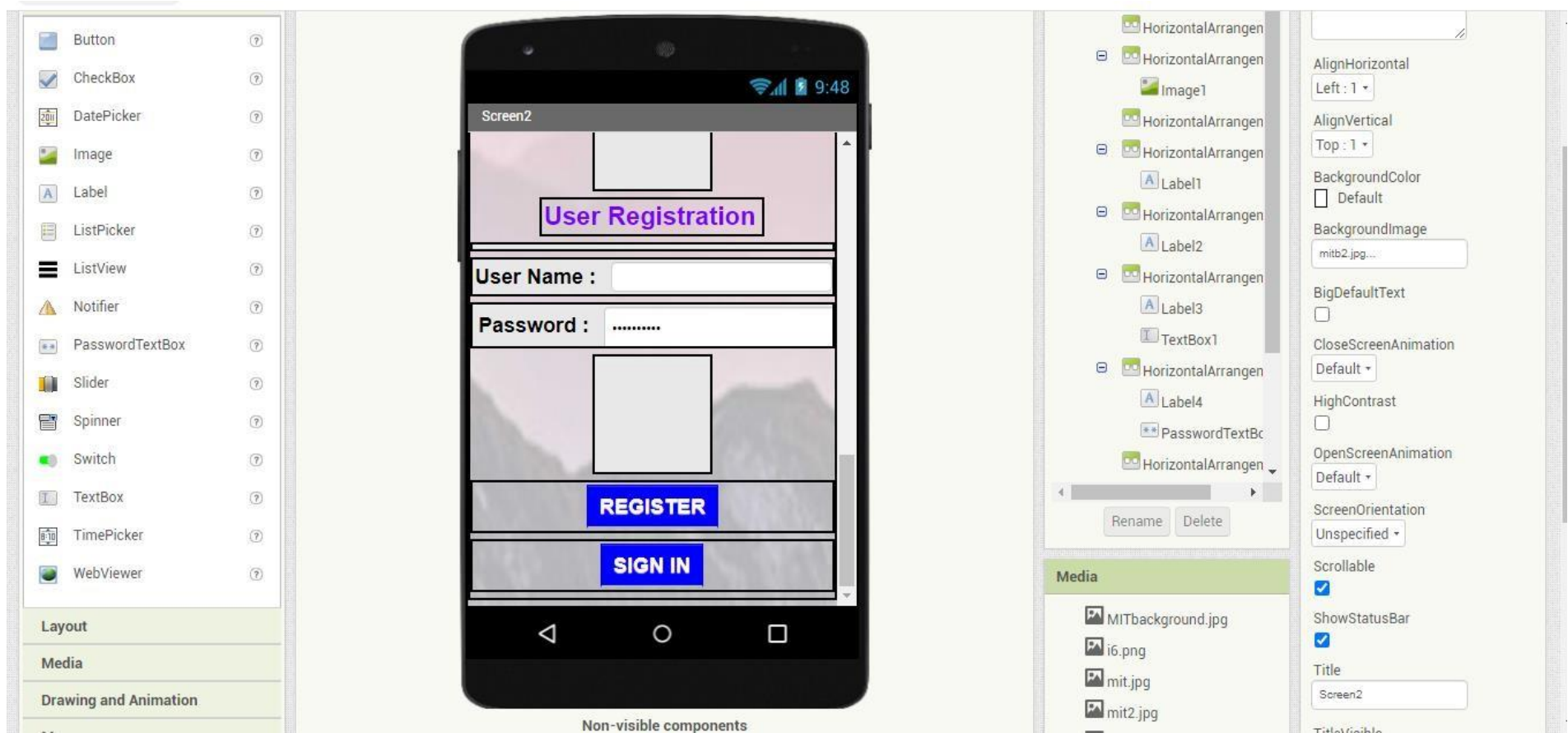
The screenshot displays the MIT App Inventor web interface. At the top, the MIT App Inventor logo is on the left, and navigation links (Projects, Connect, Build, Settings, Help) and user information (My Projects, View Trash, Guide, Report an Issue, English, sajeethabanu2002@gmail.com) are on the right. Below the header, a green bar contains the project name "GASSENSOR" and buttons for "Screen1", "Add Screen...", "Remove Screen", and "Publish to Gallery". On the right of this bar are "Designer" and "Blocks" tabs.

The left sidebar, titled "Blocks", lists various categories: Built-in (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures), Screen1, VerticalArrangement1, Image1, Clock1, and Any component.

The main "Viewer" area shows a single block: "when Clock1.Timer do open another screen screenName Screen2". The "Clock1" block is orange, and the "open another screen" block is red. The "Screen2" dropdown is also red.

At the bottom left of the viewer, there are two warning icons (a yellow triangle and a red X) with a "0" next to each, and a "Show Warnings" button. On the right side of the viewer, there is a trash can icon and a vertical scrollbar.

Front End Of Screen-2 :



Back End Of Screen-2 :

The screenshot displays the MIT App Inventor web interface for a project named "GASSENSOR". The interface is divided into three main sections: a top navigation bar, a left "Blocks" palette, and a central "Viewer" area.

Top Navigation Bar: Includes the MIT App Inventor logo, a "Projects" dropdown, and links for "Connect", "Build", "Settings", and "Help". On the right, it shows "My Projects", "View Trash", "Guide", "Report an Issue", "English", and a user email "sajeethabanu2002@gmail.com".

Project Bar: Below the navigation bar, it shows the project name "GASSENSOR" and buttons for "Screen2", "Add Screen...", "Remove Screen", and "Publish to Gallery". On the far right of this bar are "Designer" and "Blocks" tabs.

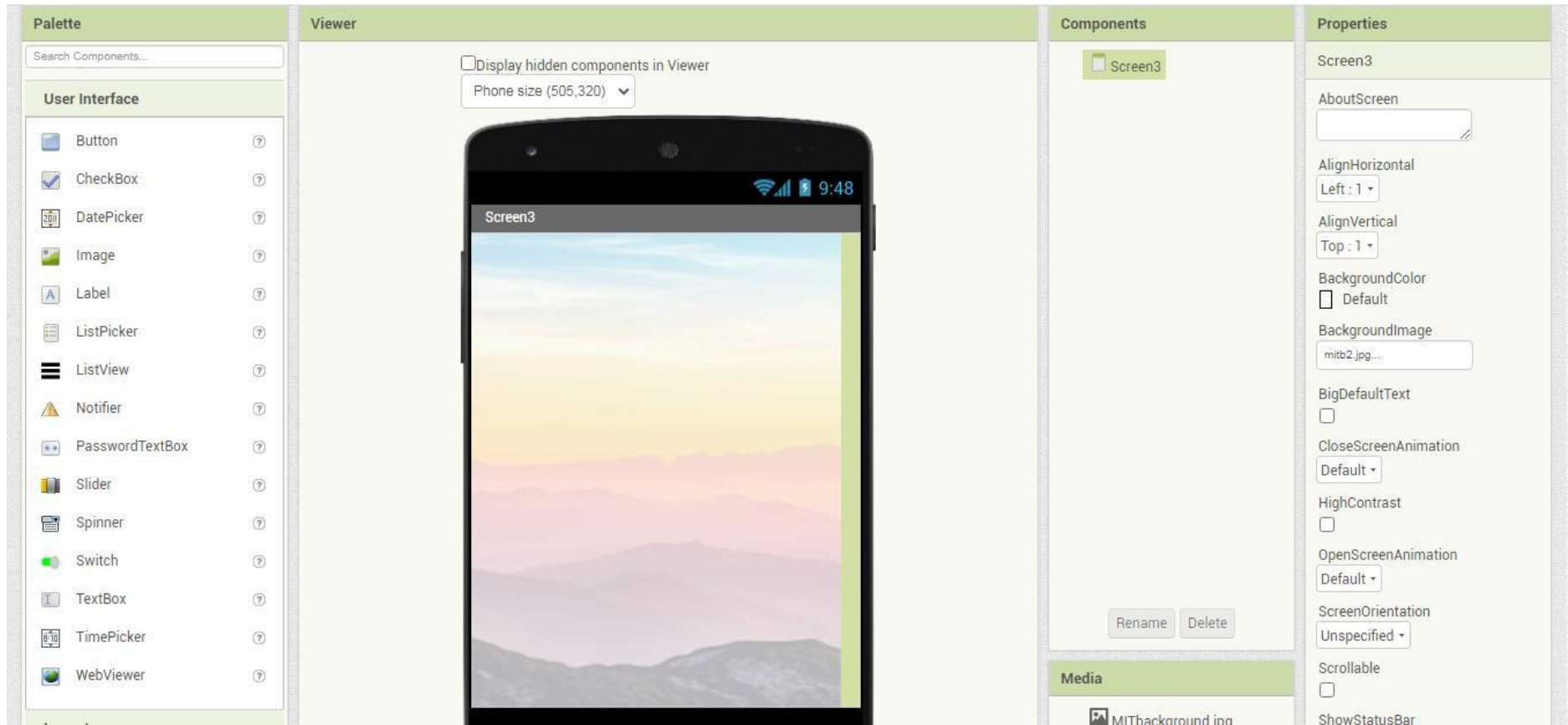
Blocks Palette (Left): A list of built-in blocks categorized into Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. It also shows a hierarchy for "Screen2" containing "VerticalArrangement1" and several "HorizontalArrangement" components.

Viewer (Center): The workspace for visualizing the logic. It contains three main block structures:

- When Button2 Clicked:** A "do" block containing a "call FirebaseDB1 .GetValue" block. The "tag" is set to "TextBox1 . Text" and the "valueIfTagNotThere" is set to "NA".
- When Button1 Clicked:** A "do" block containing a "call FirebaseDB1 .StoreValue" block. The "tag" is "TextBox1 . Text" and the "valueToStore" is "PasswordTextBox1 . Text".
- When FirebaseDB1 GotValue:** A "do" block with a "tag" of "value". It contains a nested "if" statement:
 - if (get tag == TextBox1 . Text):** This condition leads to another "if" statement:
 - if (get value == PasswordTextBox1 . Text):** This condition leads to the action "open another screen" with "screenName" set to "Screen3".
 - else:** The action is "set Label2 . Text to" followed by the text "Wrong User Name & Password".

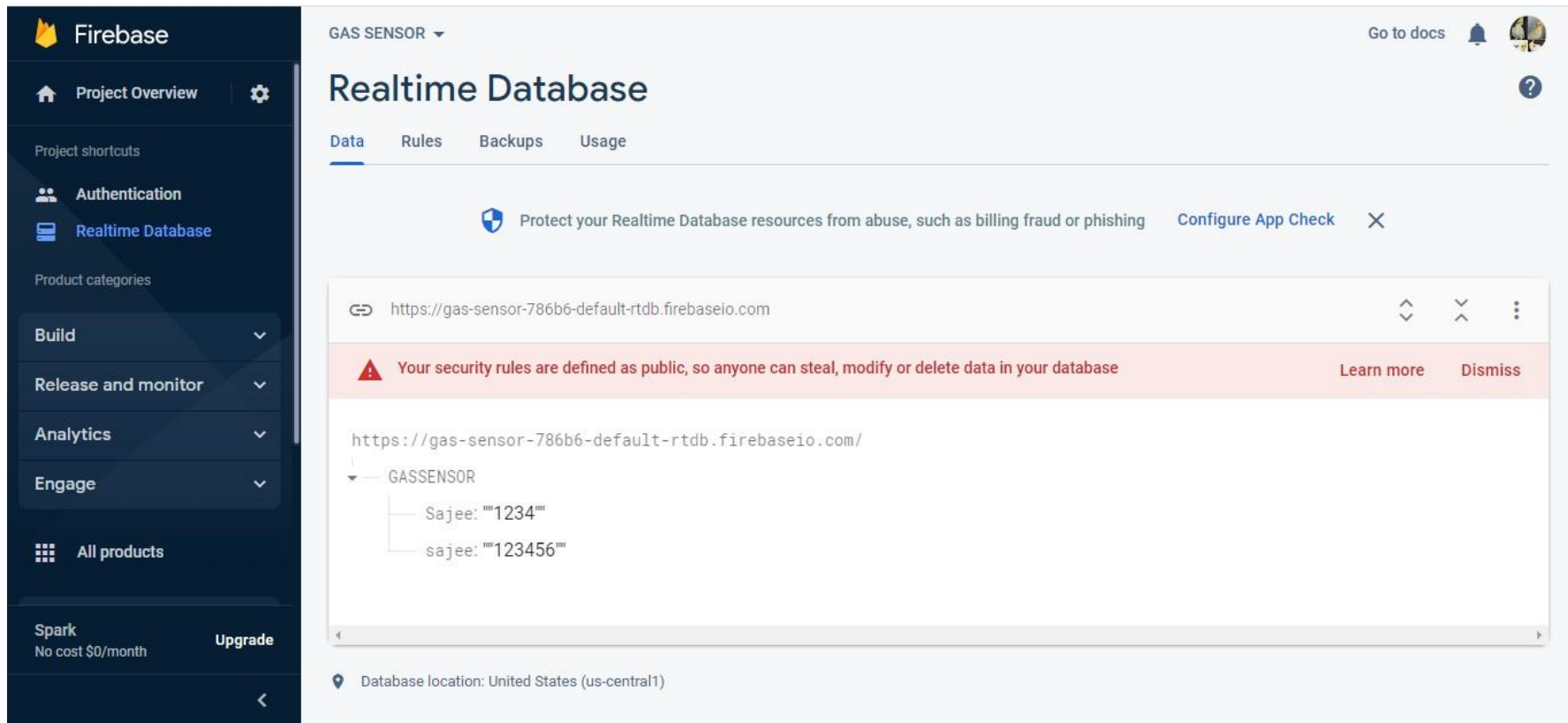
On the right side of the Viewer, there are icons for a backpack, a target, zoom in (+), zoom out (-), and a trash can.

Screen-3 :



Realtime Database :

It is used to store the registered User name and Password.



The screenshot displays the Firebase Realtime Database interface for a project named "GAS SENSOR". The left sidebar shows the navigation menu with options like Project Overview, Authentication, Realtime Database, Build, Release and monitor, Analytics, Engage, and All products. The main content area shows the Realtime Database console with tabs for Data, Rules, Backups, and Usage. A prominent warning message states: "Your security rules are defined as public, so anyone can steal, modify or delete data in your database". Below this, the data tree shows a node named "GASSENSOR" containing two entries: "Sajee: ""1234"" and "sajee: ""123456"". The database location is noted as "United States (us-central1)".

Firebase

GAS SENSOR

Go to docs

Realtime Database

Data Rules Backups Usage

Protect your Realtime Database resources from abuse, such as billing fraud or phishing [Configure App Check](#)

<https://gas-sensor-786b6-default-rtdb.firebaseio.com>

Warning: Your security rules are defined as public, so anyone can steal, modify or delete data in your database [Learn more](#) [Dismiss](#)

```
https://gas-sensor-786b6-default-rtdb.firebaseio.com/  
└── GASSENSOR  
    ├── Sajee: ""1234""  
    └── sajee: ""123456""
```

Database location: United States (us-central1)