

PROJECT DEVELOPMENT PHASE

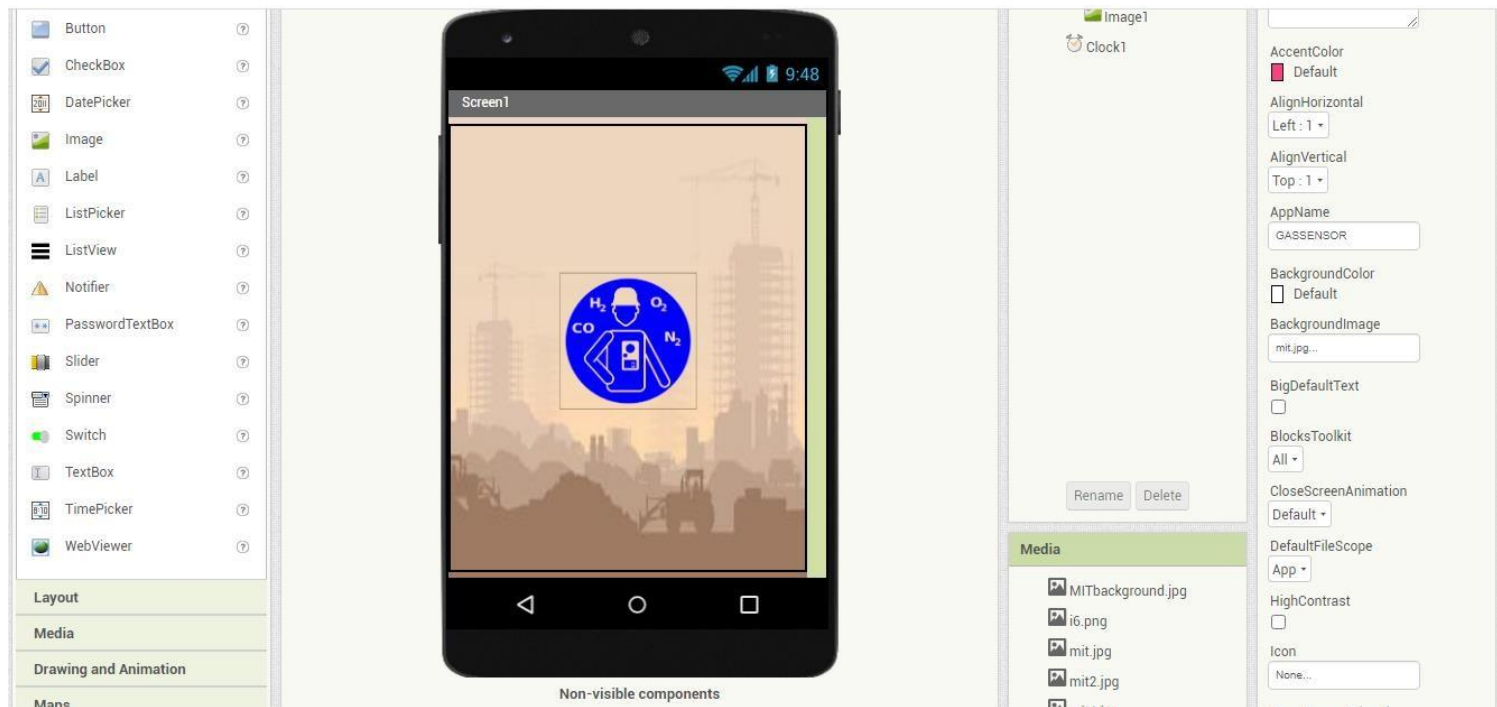
DELIVERY OF SPRINT-1

Date	18-NOVEMBER-2022
Team ID	PNT2022TMID36794
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 interface is divided into two main sections: "Blocks" on the left and "Viewer" on the right.

Blocks Panel:

- Built-in:** Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures.
- Screen1:**
 - VerticalArrangement1
 - Image1
 - Clock1
- Any component**

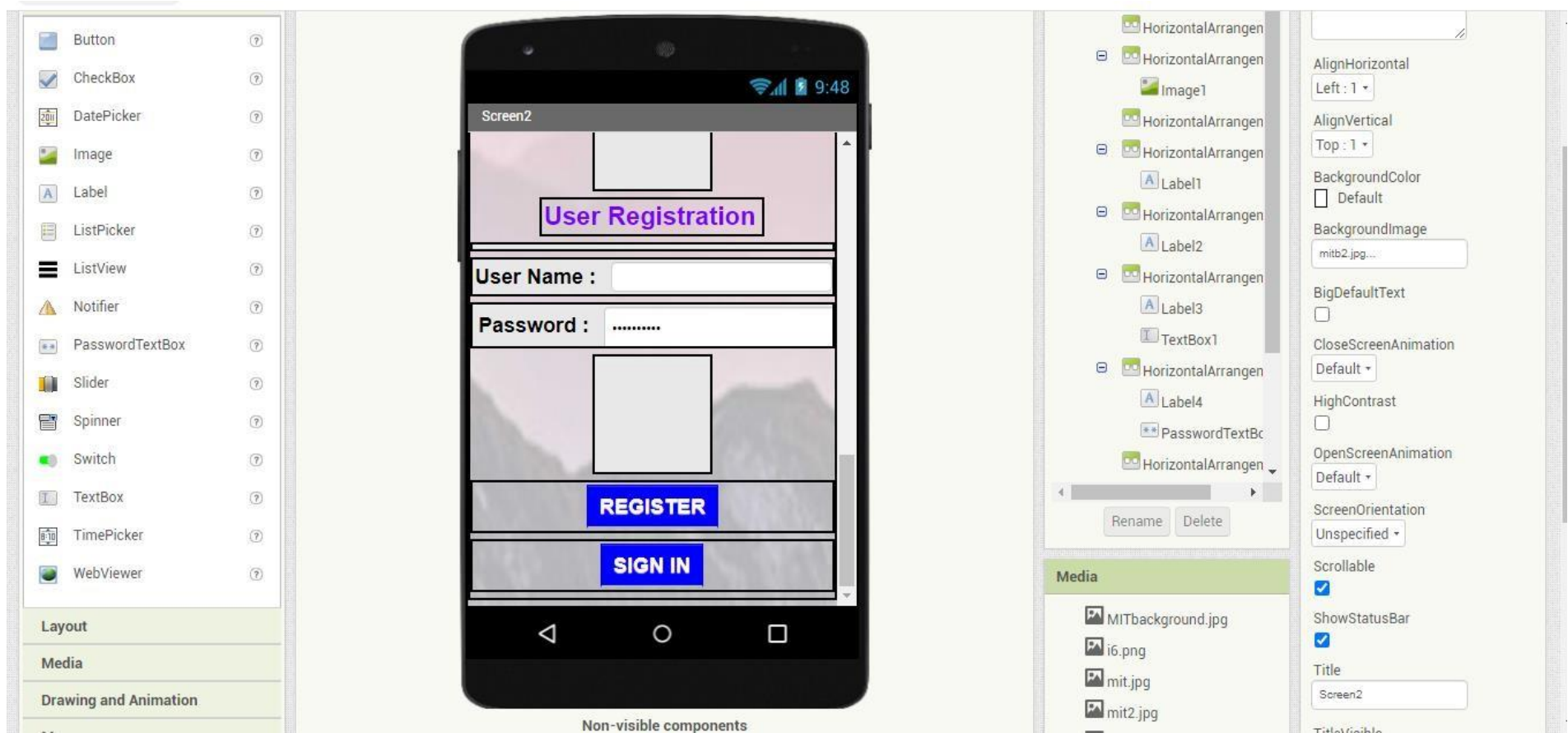
Viewer Panel:

The central workspace shows a single block: "when Clock1.Timer" followed by "do open another screen screenName Screen2".

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 below them.

On the right side of the viewer, there is a vertical toolbar with icons for a target, a plus sign, a minus sign, and a trash can.

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 sidebar for blocks, and a central workspace for the logic.

Top Navigation Bar: Includes the MIT App Inventor logo, a menu with "Projects", "Connect", "Build", "Settings", and "Help", and a user profile section with "My Projects", "View Trash", "Guide", "Report an Issue", "English", and the email "sajeethabanu2002@gmail.com".

Project Bar: Shows the current screen as "Screen2" with buttons for "Add Screen...", "Remove Screen", and "Publish to Gallery". It also has "Designer" and "Blocks" tabs.

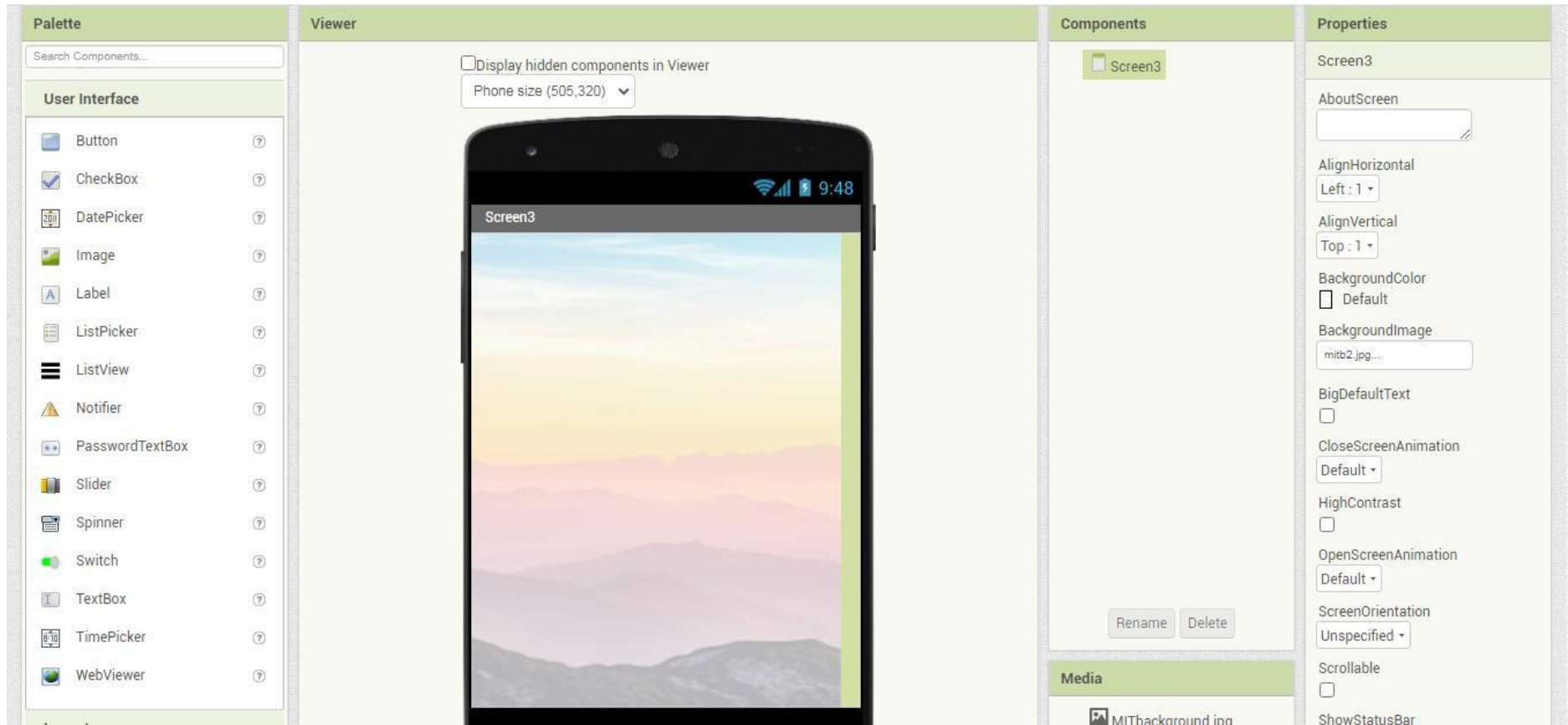
Blocks Panel (Left): Lists various built-in blocks categorized under "Built-in" (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures) and "Screen2" (VerticalArrangement1, HorizontalArrangement, Image1, HorizontalArrangement).

Logic Blocks (Center):

- 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 set to "TextBox1 . Text" and the "valueToStore" is set to "PasswordTextBox1 . Text".
- When FirebaseDB1 GotValue:** A "do" block containing an "if" statement. The "if" statement checks if "get tag" equals "TextBox1 . Text". If true, it contains another "if" statement checking if "get value" equals "PasswordTextBox1 . Text". If this second "if" is true, it triggers the "open another screen" block with "screenName" set to "Screen3". If either condition is false, it triggers a "set Label2 . Text to" block with the value "Wrong User Name & Password".

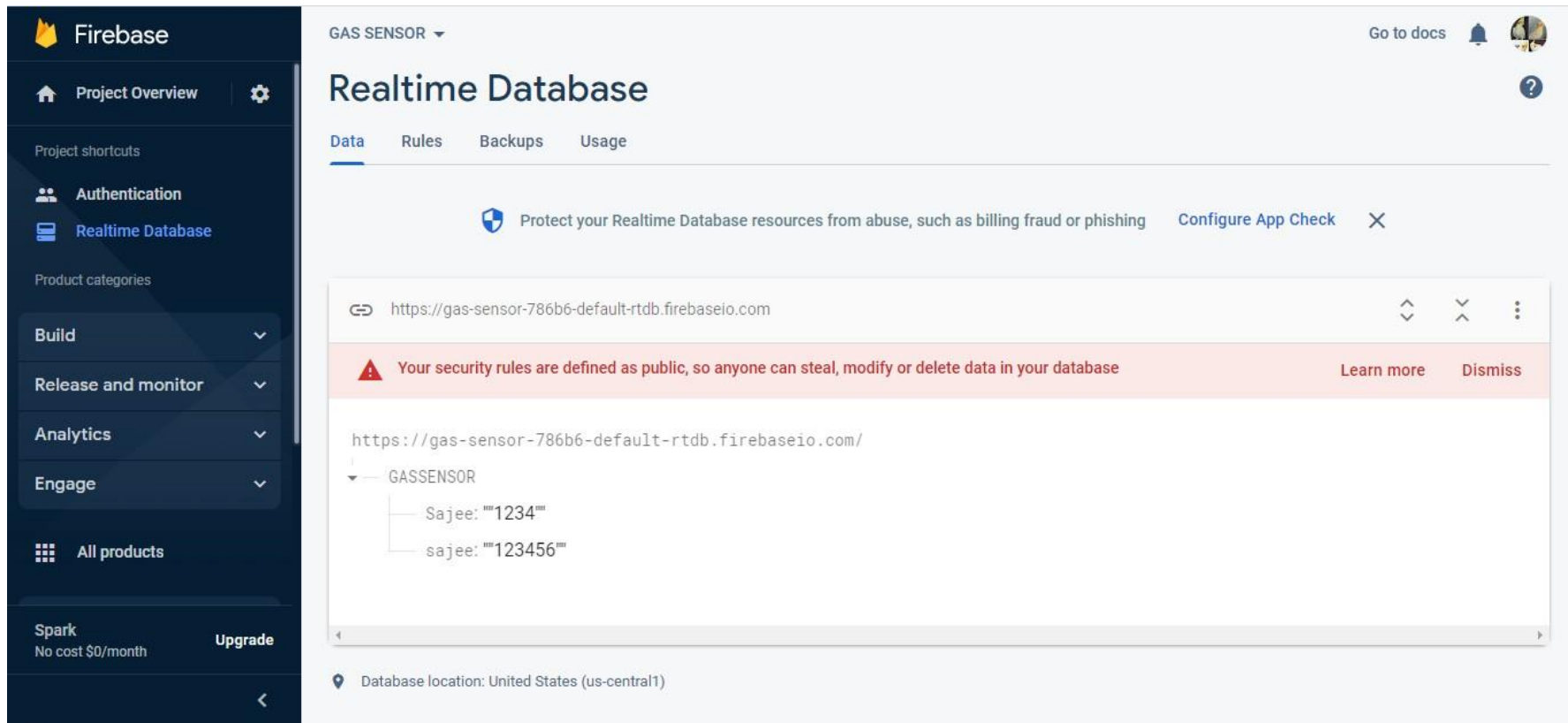
Right Panel: Contains a "Show Warnings" button, a "0" indicator, and a "Show Warnings" button. There are also icons for a backpack, a target, a plus sign, a minus sign, and a trash can.

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 contains navigation options: Project Overview, Authentication, Realtime Database (selected), Build, Release and monitor, Analytics, Engage, All products, and Spark. The main content area shows the "Data" tab with a warning message: "Your security rules are defined as public, so anyone can steal, modify or delete data in your database". Below the warning, a JSON tree structure is visible, showing a root node "GASSENSOR" with two children: "Sajee: ""1234"" and "sajee: ""123456"". The database location is specified 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)