

PROJECT DEVELOPMENT PHASE

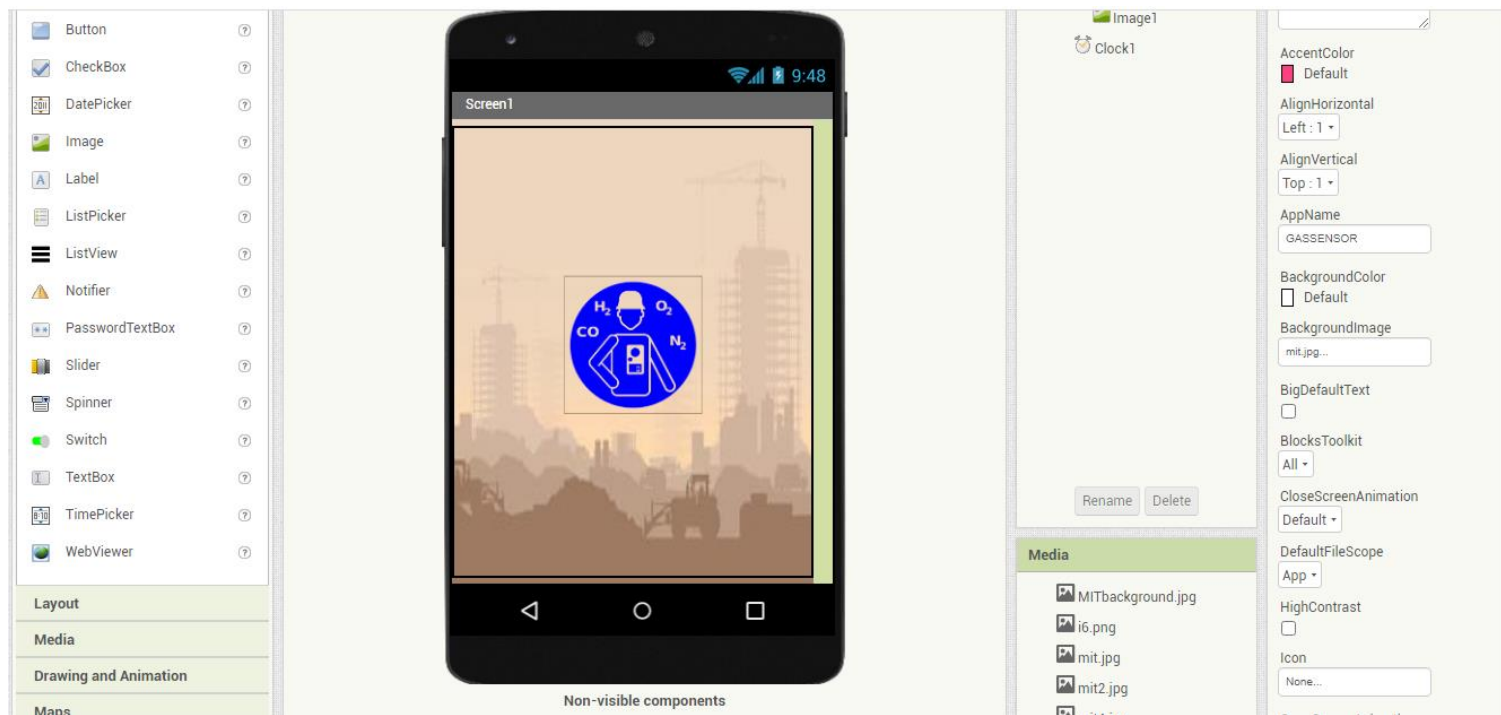
Delivery Of Sprint-1

Date	10 NOV 2022
Team ID	PNT2022TMID48574
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.

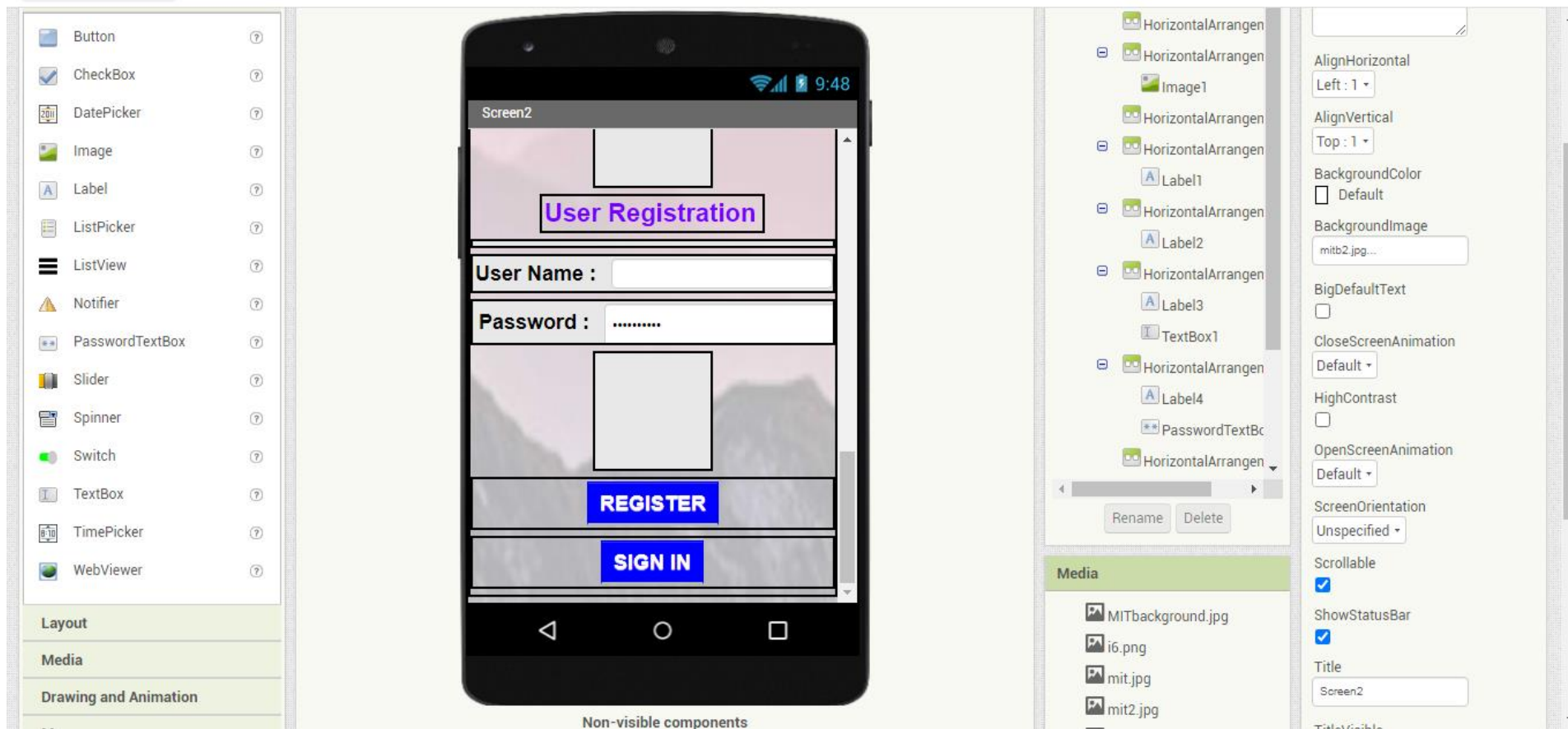
Blocks Panel: This panel lists various building blocks categorized under "Built-in". The categories include Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. Under the "Screen1" category, there is a "VerticalArrangement1" block containing an "Image1" block and a "Clock1" block. At the bottom of the list is "Any component".

Viewer Panel: This panel shows the visual representation of the app. It features a large white canvas for the screen layout. In the top right corner, there is a colorful bag icon representing the block palette. On the right side, there are three circular icons: a target, a plus sign, and a minus sign, along with a trash can icon at the bottom. In the center of the canvas, there is a logic block with the following code:

```
when Clock1.Timer  
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) both with a "0" next to them, and a "Show Warnings" button below them.

Front End Of Screen-2 :



Back End Of Screen-2 :

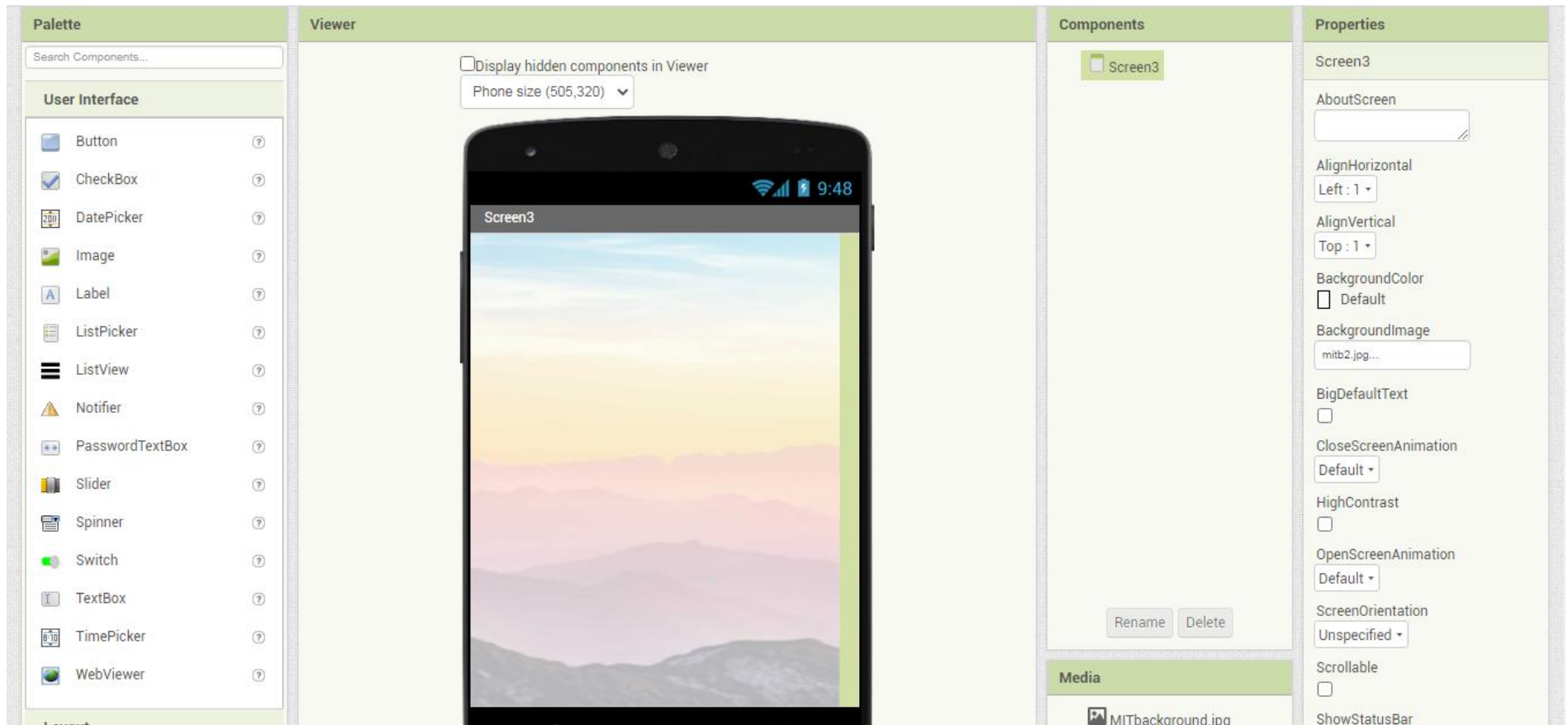
The screenshot displays the MIT App Inventor web interface. The top navigation bar includes the MIT App Inventor logo, a menu (Projects, Connect, Build, Settings, Help), and user information (My Projects, View Trash, Guide, Report an Issue, English, sajeethabanu2002@gmail.com). Below this is a green header for the project named "GASSENSOR", with buttons for "Screen2", "Add Screen...", "Remove Screen", and "Publish to Gallery". On the right of the header are "Designer" and "Blocks" tabs.

The left sidebar, titled "Blocks", lists categories: Built-in (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures) and Screen2 (VerticalArrangement1, HorizontalArrangement, Image1, HorizontalArrangement). The main workspace, titled "Viewer", shows three event-driven code blocks:

- when Button2.Click**:
 - do call FirebaseDB1.GetValue
 - tag TextBox1.Text
 - valueIfTagNotThere "NA"
- when Button1.Click**:
 - do call FirebaseDB1.StoreValue
 - tag TextBox1.Text
 - valueToStore PasswordTextBox1.Text
- when FirebaseDB1.GotValue**:
 - tag value
 - do if (get tag == TextBox1.Text)
 - then if (get value == PasswordTextBox1.Text)
 - then open another screen screenName Screen3
 - else set Label2.Text to "Wrong User Name & Password"
 - Show Warnings

On the right side of the workspace, there is a backpack icon and a vertical toolbar with a target icon, zoom in (+) and zoom out (-) buttons, and a trash can icon.

Screen-3 :



Realtime Database :

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

The screenshot displays the Firebase Realtime Database interface. On the left is a dark sidebar with the 'Firebase' logo and navigation links: 'Project Overview', 'Authentication', 'Realtime Database', 'Build', 'Release and monitor', 'Analytics', 'Engage', and 'All products'. The main panel shows the 'Realtime Database' for a project named 'GAS SENSOR'. A prominent red warning banner states: 'Your security rules are defined as public, so anyone can steal, modify or delete data in your database'. Below this, a JSON tree view shows the database structure: a root node 'GASSENSOR' containing two entries, 'Sajee' with value '1234' and 'sajee' with value '123456'. A 'Database location: United States (us-central1)' is noted at the bottom.

Warning: Your security rules are defined as public, so anyone can steal, modify or delete data in your database

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

Database location: United States (us-central1)