

PROJECT DEVELOPMENT PHASE

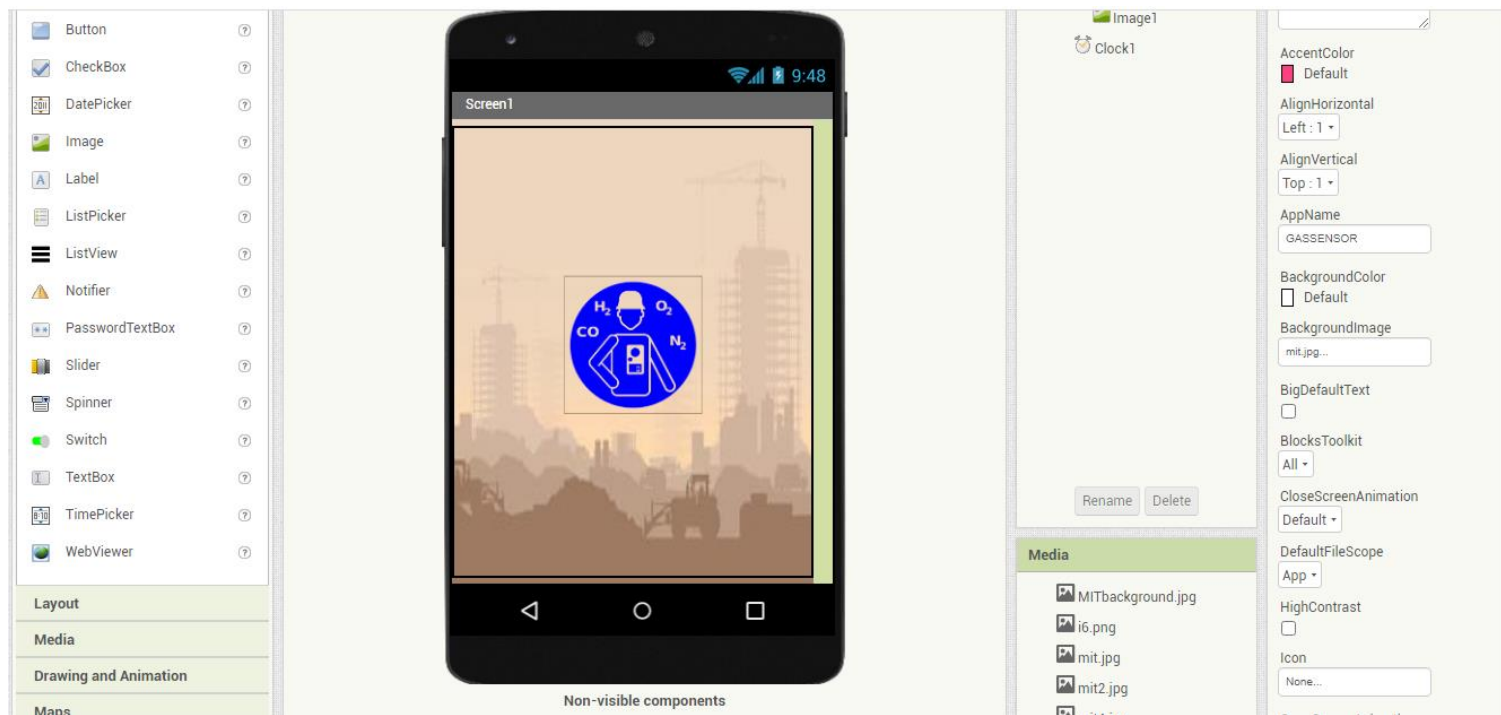
Delivery Of Sprint-1

Date	30 th October 2022
Team ID	PNT2022TMID33893
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.

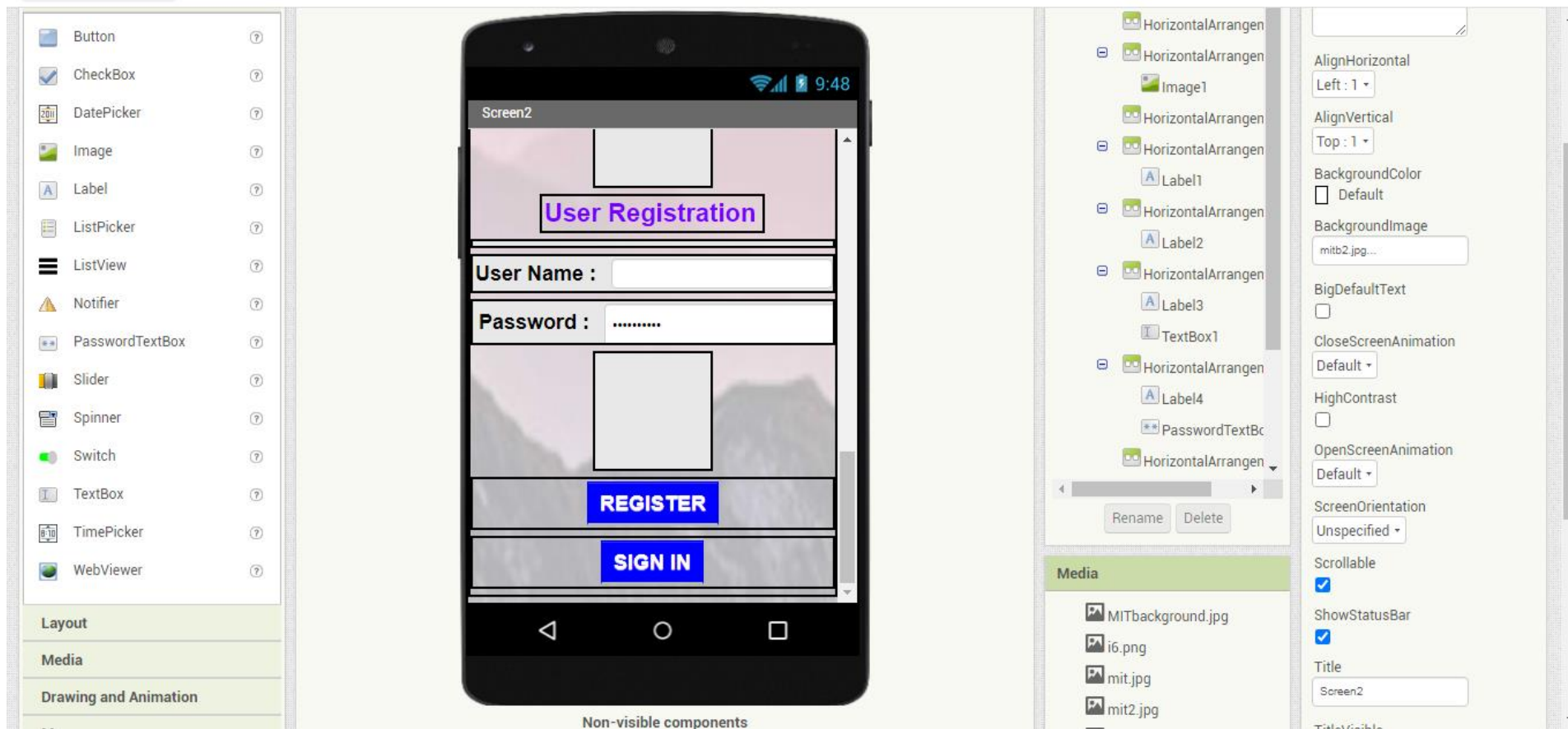
Blocks Panel: This panel lists various building blocks categorized under "Built-in". The categories include Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. Under the "Screen1" category, there is a "VerticalArrangement1" block containing an "Image1" block and a "Clock1"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

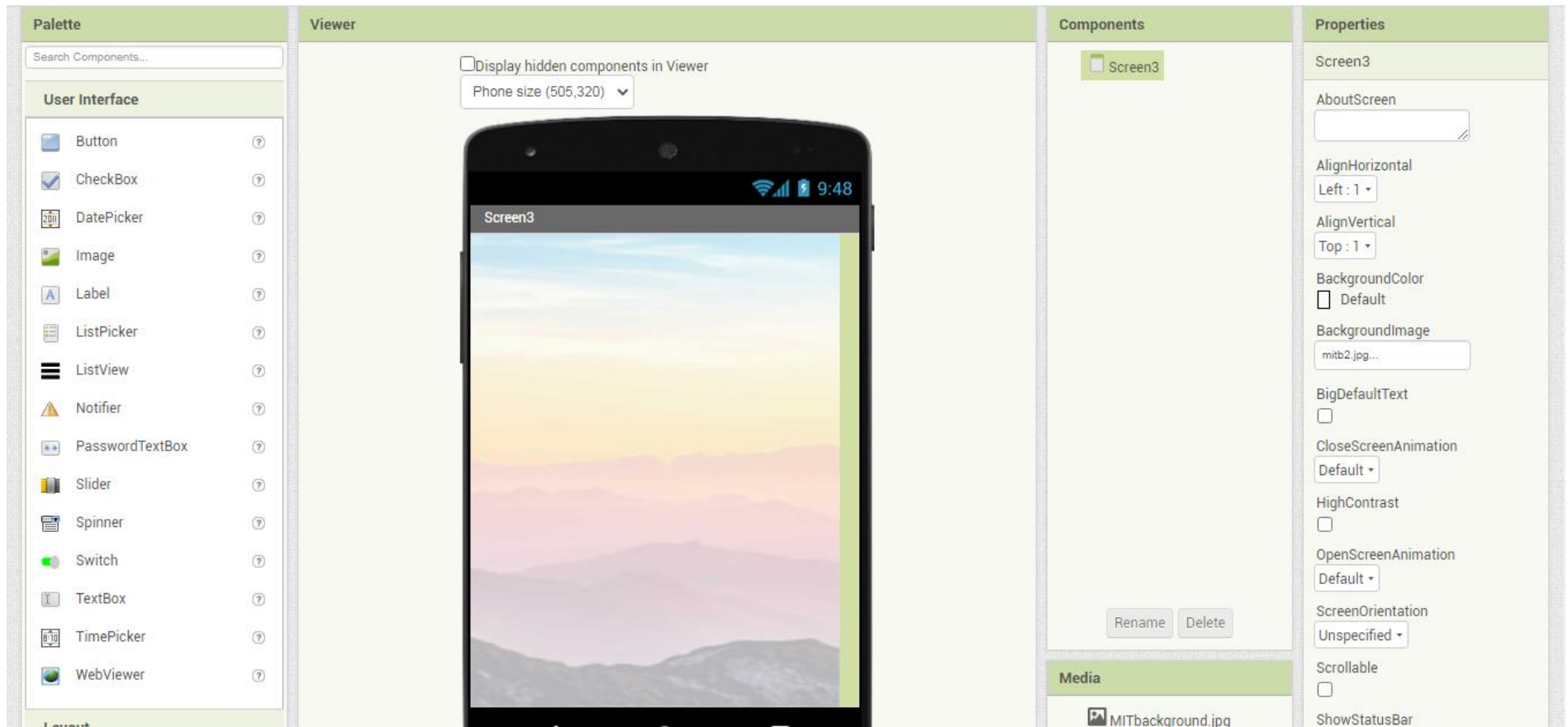
The left sidebar, titled "Blocks", contains a "Built-in" category with sub-categories: Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. Below this is a "Screen2" category containing several UI components: VerticalArrangement1, HorizontalArrangement, Image1, and another HorizontalArrangement.

The main area, titled "Viewer", shows the logic blocks for the app. There are three main event-driven blocks:

- when Button2.Click**: 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.Click**: 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 a series of nested "if" statements:
 - First "if": "get tag" equals "TextBox1.Text".
 - Then "if": "get value" equals "PasswordTextBox1.Text".
 - Then: "open another screen" with "screenName" set to "Screen3".Below these "if" statements, there is a "set Label2.Text to" block with the value "Wrong User Name & Password", followed by a "Show Warnings" block.

On the right side of the Viewer, there is a vertical toolbar with icons for zooming in (+), zooming out (-), 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 is titled 'GAS SENSOR' and 'Realtime Database'. It features tabs for 'Data', 'Rules', 'Backups', and 'Usage'. 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 shows the database structure: a root node 'GASSENSOR' containing two objects, 'Sajee' with value '1234' and 'sajee' with value '123456'. A 'Database location: United States (us-central1)' is noted at the bottom.

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)