

## PROJECT DEVELOPMENT PHASE

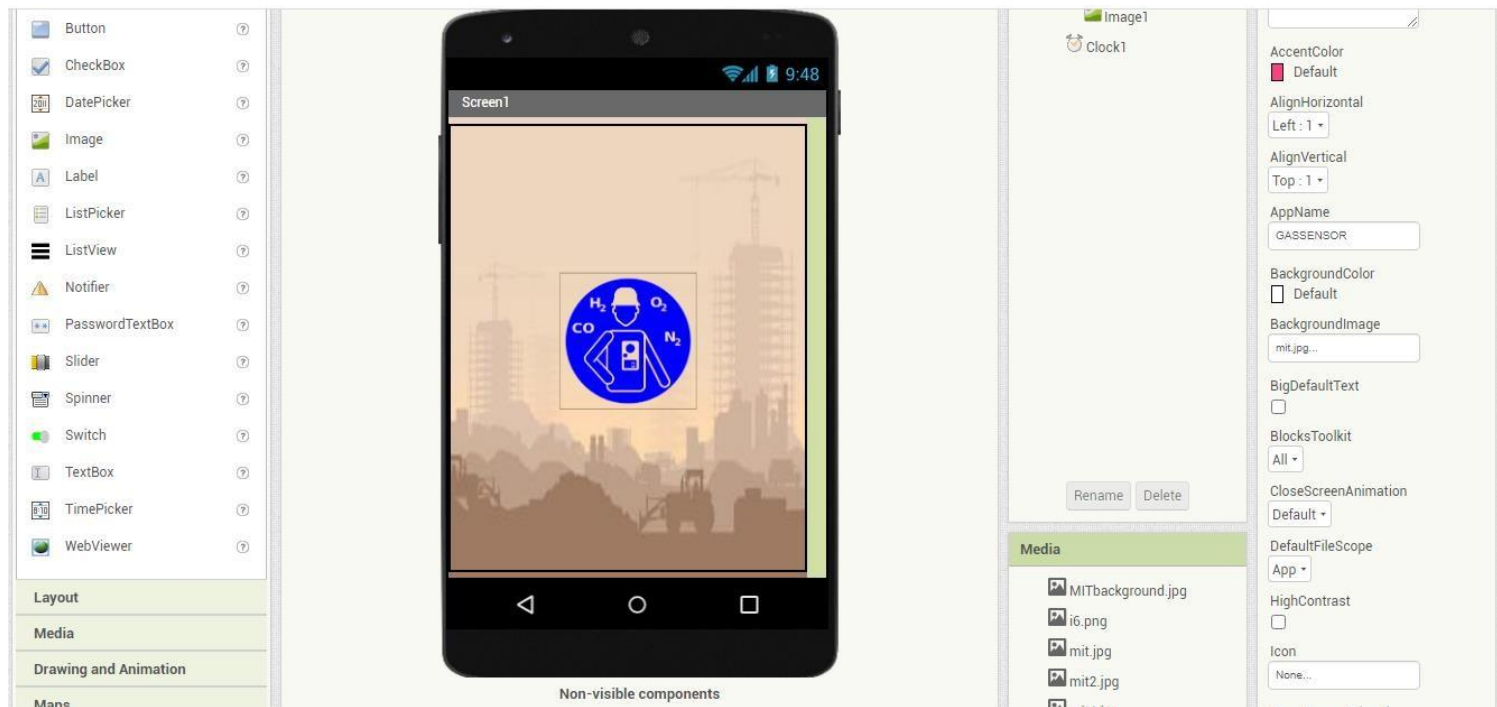
### DELIVERY OF SPRINT-1

Date	18-NOVEMBER-2022
Team ID	PNT2022TMID23535
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 GASENSOR app designer interface. The top bar is green and contains the text "GASENSOR" on the left, and "Screen1", "Add Screen ...", "Remove Screen", and "Publish to Gallery" in the center. On the right side of the top 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:**

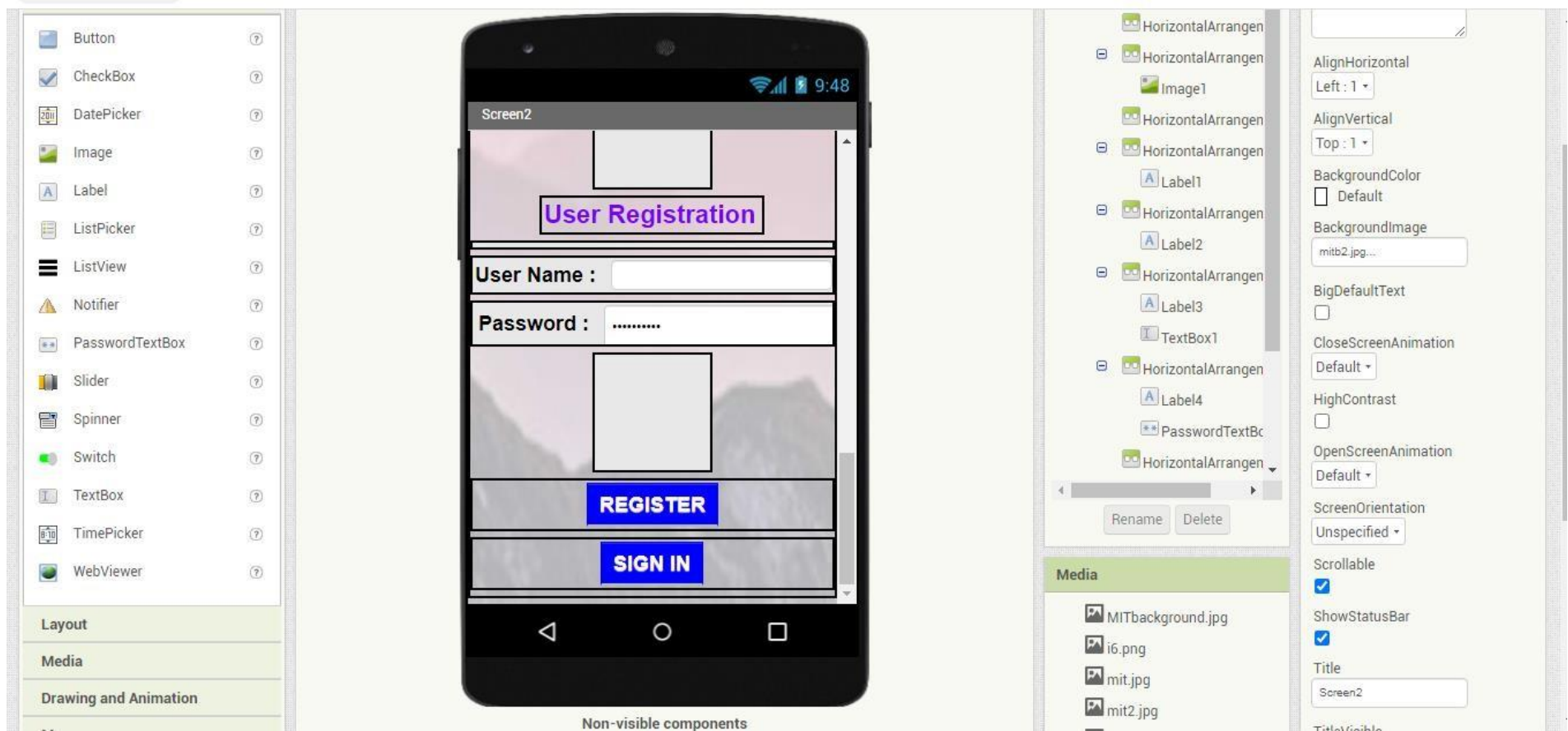
The central workspace shows a script block with the following logic:

```
when Clock1.Timer
do open another screen screenName Screen2
```

At the bottom left of the viewer, there are two warning icons (a yellow triangle with an exclamation mark and a red circle with an X) each followed by a "0", and a "Show Warnings" button below them.

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

## Front End Of Screen-2:



## Back End of Screen-2:

**Blocks**

- Built-in
  - Control
  - Logic
  - Math
  - Text
  - Lists
  - Dictionaries
  - Colors
  - Variables
  - Procedures
- Screen2
  - VerticalArrangement1
    - HorizontalArrangement
  - HorizontalArrangement
  - Image1
  - HorizontalArrangement
  - HorizontalArrangement

**Viewer**

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

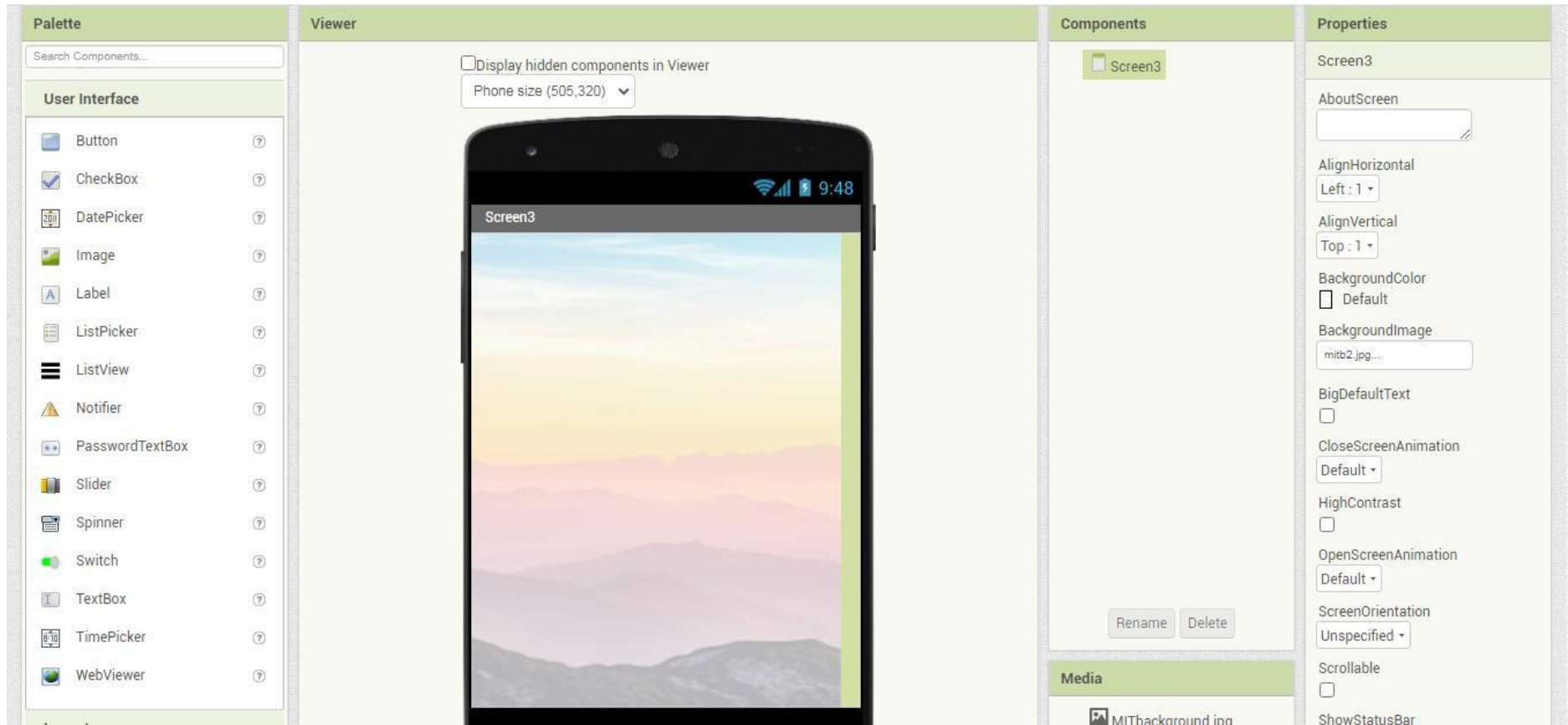
then

open another screen screenName **Screen3**

set **Label2** . Text to **"Wrong User Name & Password"**

Show Warnings

### 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 data snapshot is visible for the "GASSENSOR" node, 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)