

PROJECT DEVELOPMENT PHASE

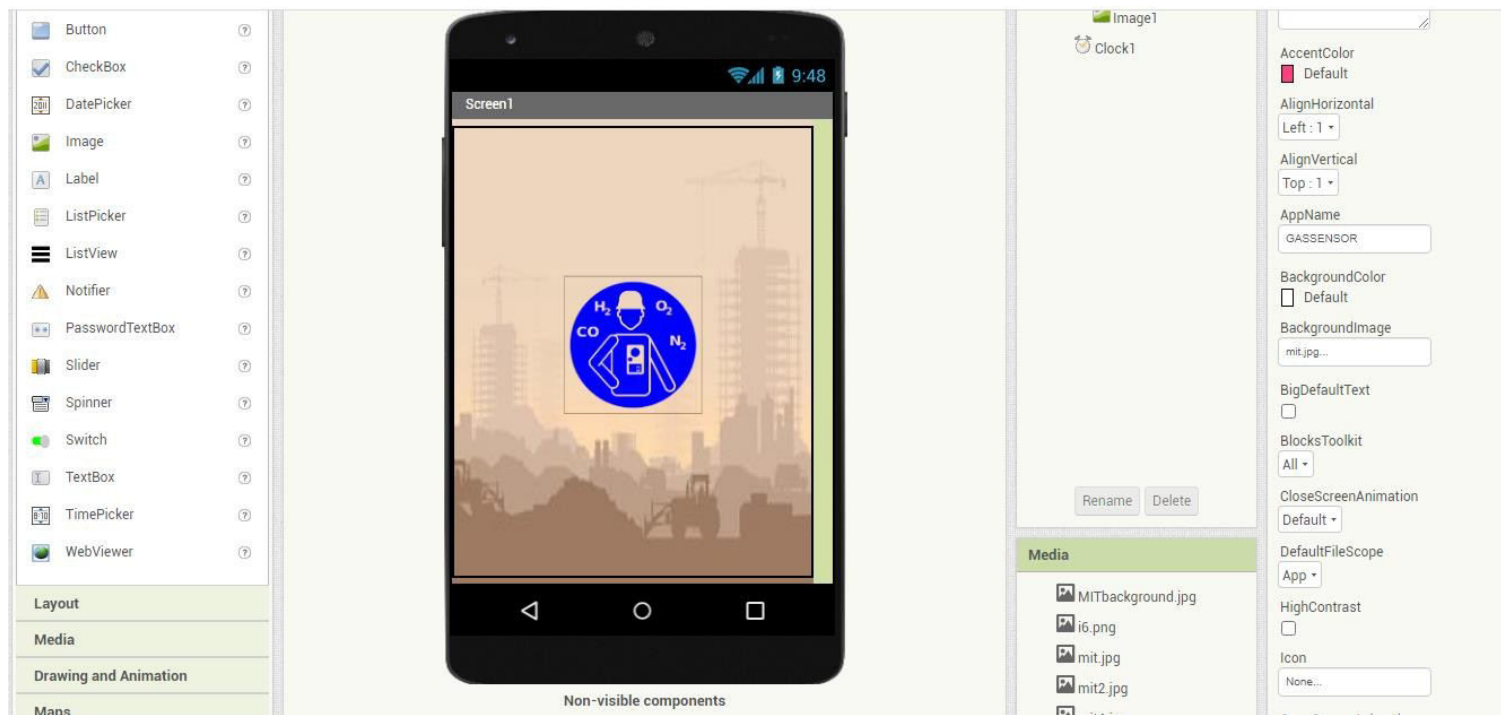
Delivery Of Sprint-1

Date	18 November 2022
Team ID	PNT2022TMID36788
Project Name	Gas Leakage Monitoring and Alerting Systems

SPRINT 1:

Registration and Login Credentials.

Front End Of Screen-1 :



Back End Of Screen-2 :

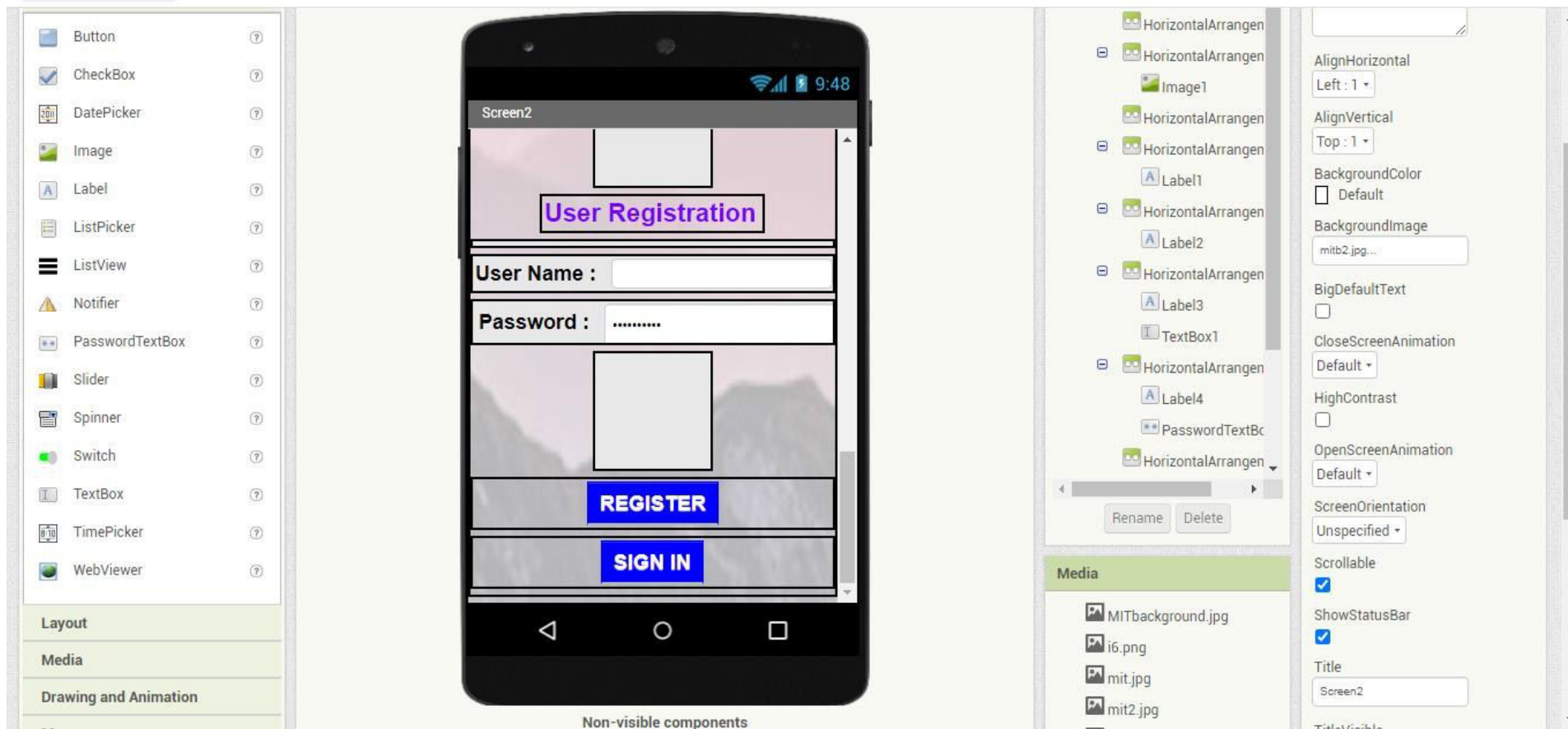
The screenshot displays the MIT App Inventor web interface. At the top, the MIT App Inventor logo is on the left, and navigation links (Projects, Connect, Build, Settings, Help) and user information (My Projects, View Trash, Guide, Report an Issue, English, sajeethabanu2002@gmail.com) are on the right. 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 Section: A list of built-in blocks is shown, including Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. Under "Screen1", there is a "VerticalArrangement1" block containing an "Image1" block and a "Clock1" block. At the bottom of the blocks list is "Any component".

Viewer Section: The main workspace for designing the screen. It contains a single logic block: "when Clock1.Timer do open another screen screenName Screen2". The "Screen2" block is highlighted with a red border. In the bottom left corner 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 toolbar with a target icon, a plus icon, a minus icon, and a trash can icon.

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 with 'Projects', 'Connect', 'Build', 'Settings', and 'Help', and user information for 'sajeethabanu2002@gmail.com'. The main workspace is titled 'GASSENSOR' and contains buttons for 'Screen2', 'Add Screen ...', 'Remove Screen', and 'Publish to Gallery'. On the right of this bar are 'Designer' and 'Blocks' tabs.

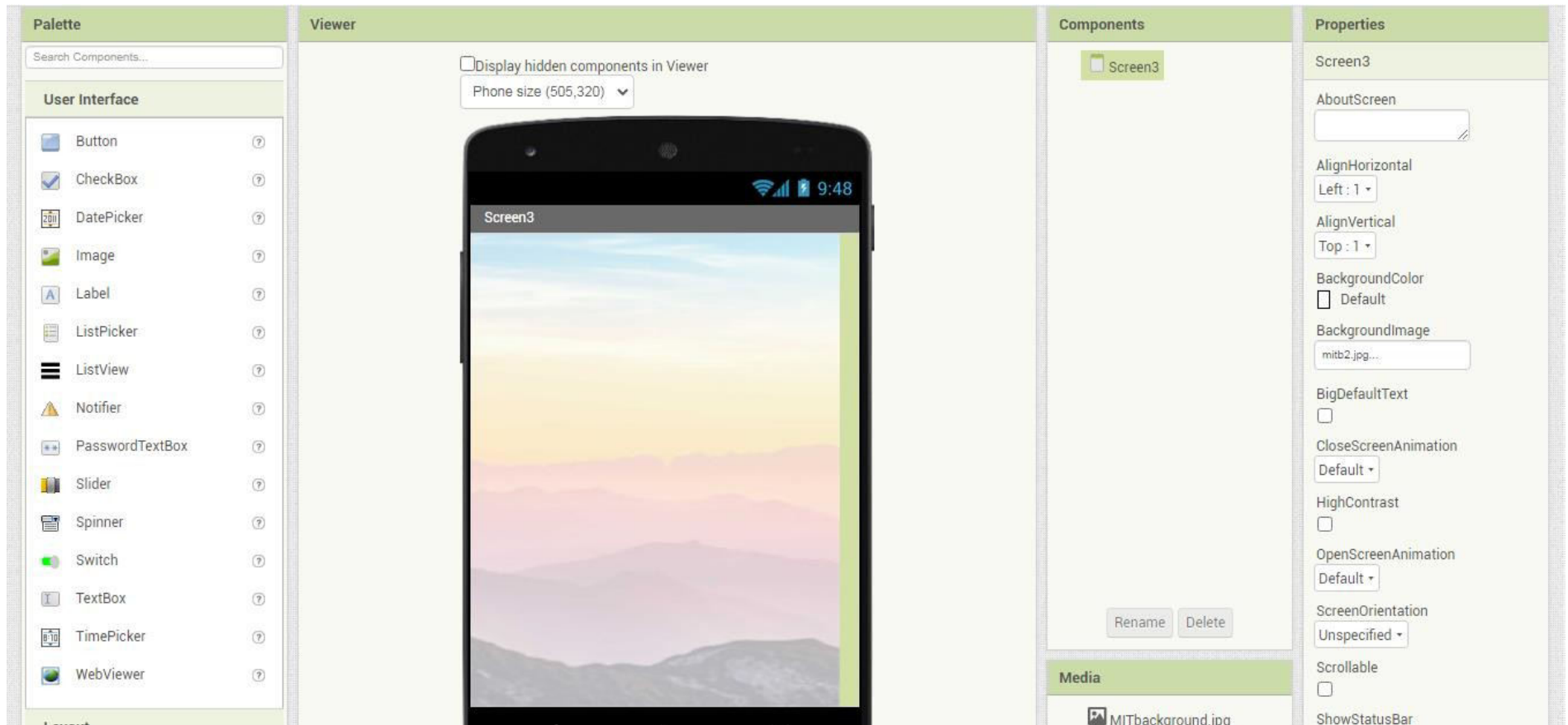
The left sidebar, labeled 'Blocks', shows a 'Built-in' category with various block types (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures) and a 'Screen2' category with UI components like 'VerticalArrangement1', 'HorizontalArrangement', and 'Image1'.

The central 'Viewer' area shows the logic blocks for the back-end of Screen2:

- 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 snapshot of the database is shown, containing a 'GASSENSOR' node with two entries: 'Sajee: ""1234""' and 'sajee: ""123456""'. At the bottom, it indicates the 'Database location: United States (us-central1)'.

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)