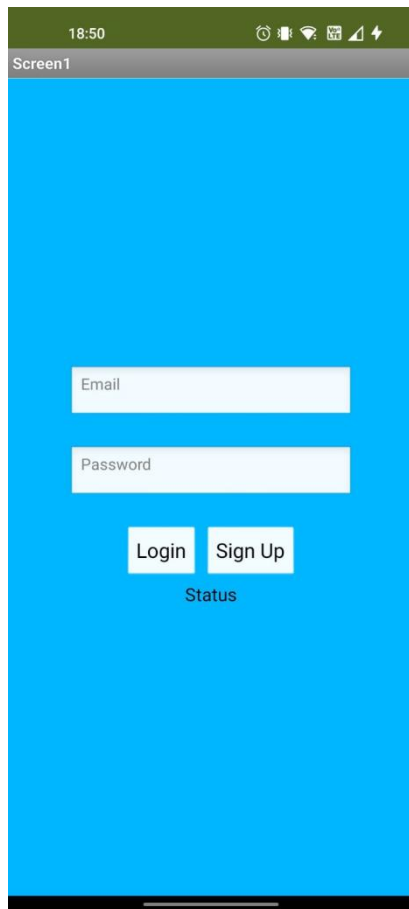
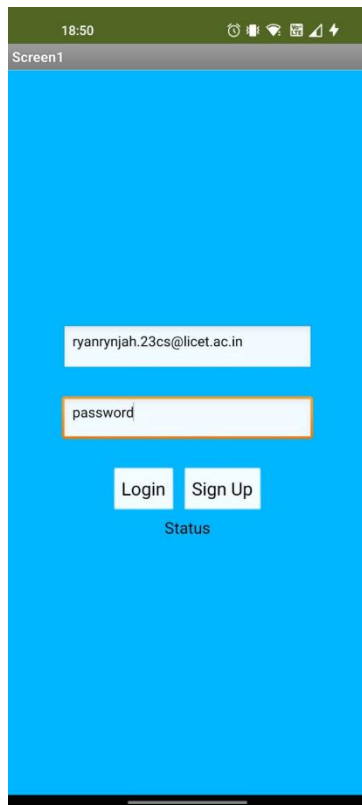


APP

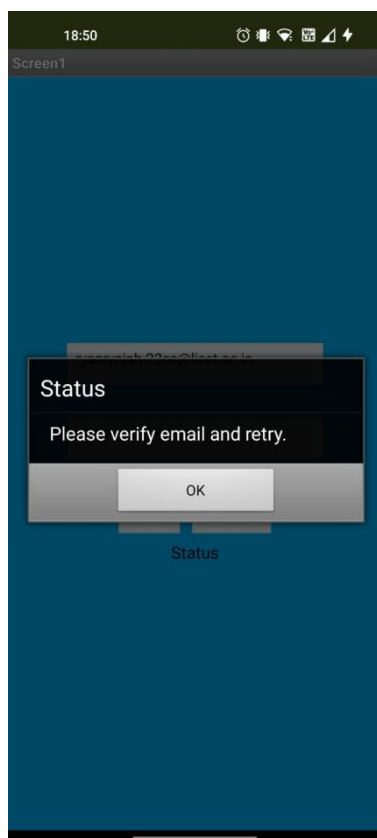
User Interface



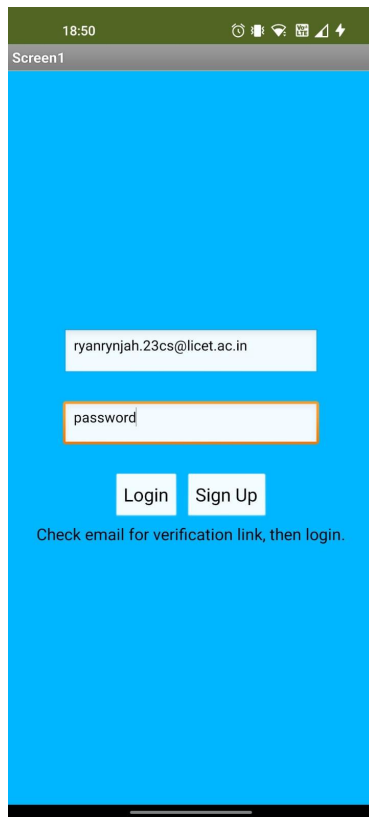
The authentication page that greets users.



Users can enter their credentials and press either Sign In or Login.



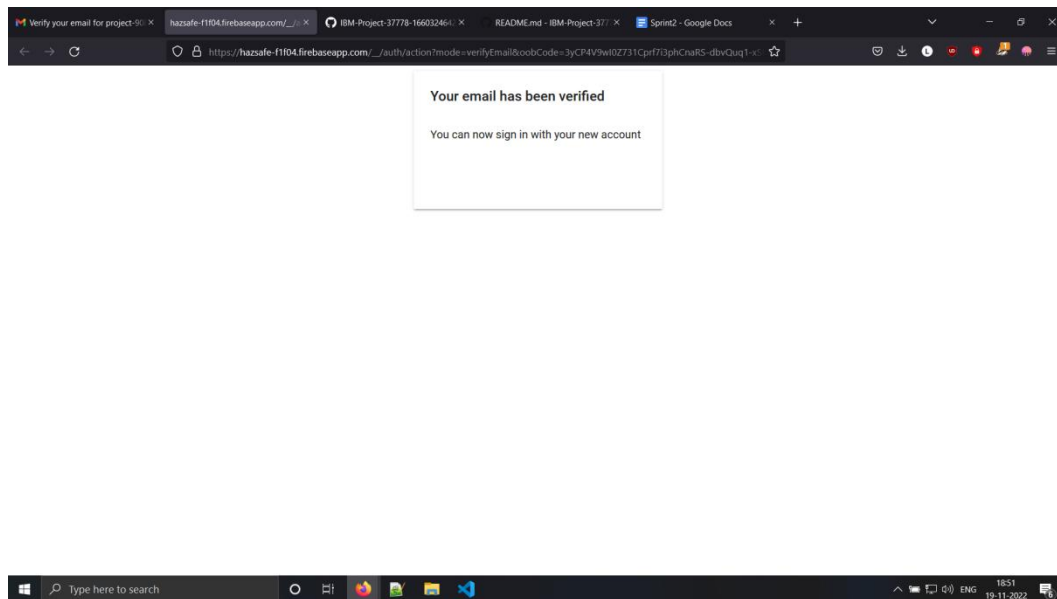
If an unregistered user tries to login, they are greeted with this error



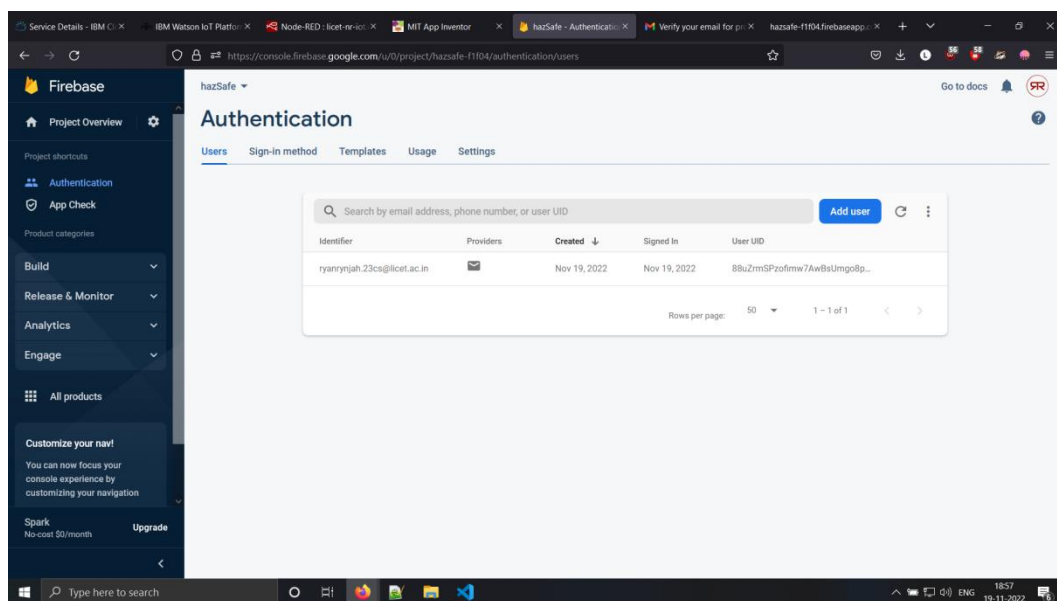
If the user chooses to Sign Up, the status message changes, indicating to users to go check their mail for a verification link.



The verification mail arrives (sometimes in spam folder) with the verification link.



Users who click the link are redirected to the above page which indicates that their email has been verified.



If we check the Firebase Authentication Console, we see that the user has indeed been added to the list of verified users.

18:50

Screen1

ryanrynjah.23cs@licet.ac.in

password

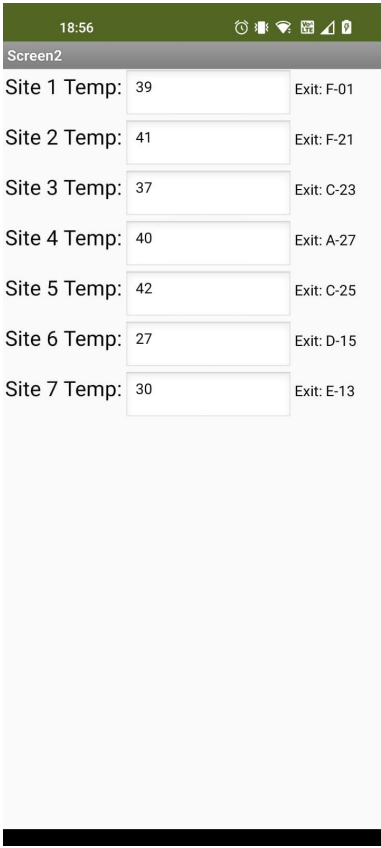
Login Sign Up

Check email for verification link, then login.

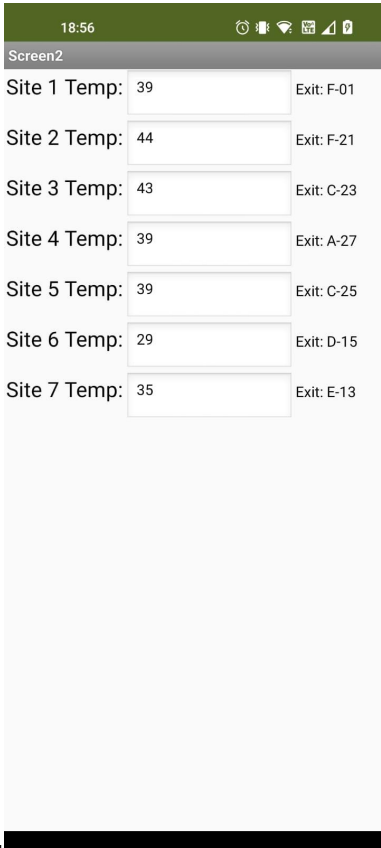
Now if the user clicks login, they are redirected to the next page.

User Interface

Employees can use this device to check the safety of their surroundings.

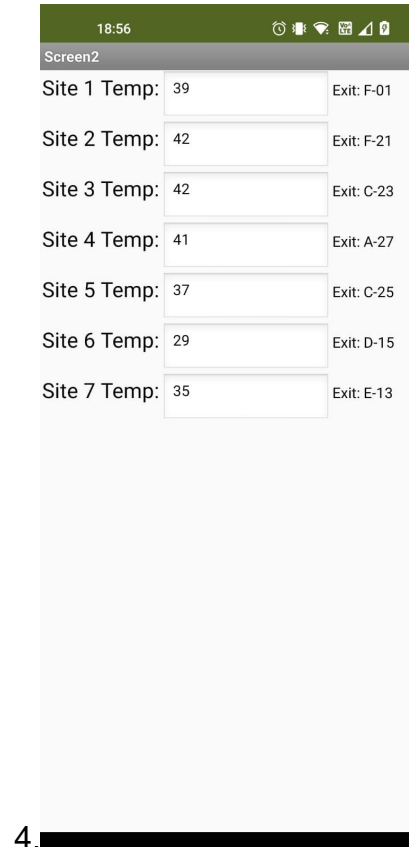
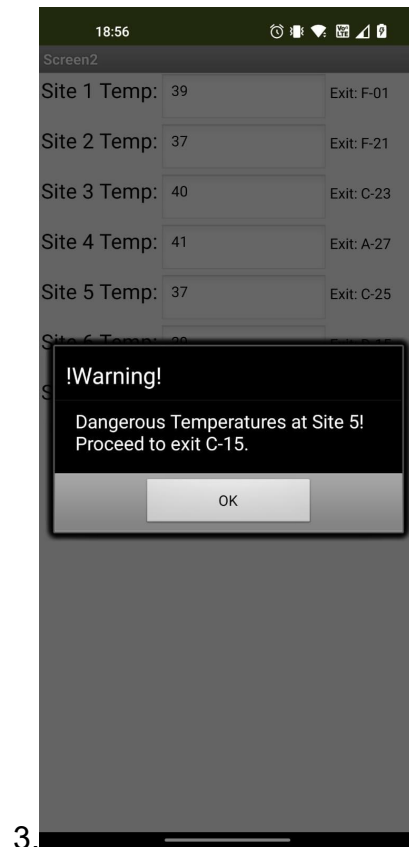


1.



2.

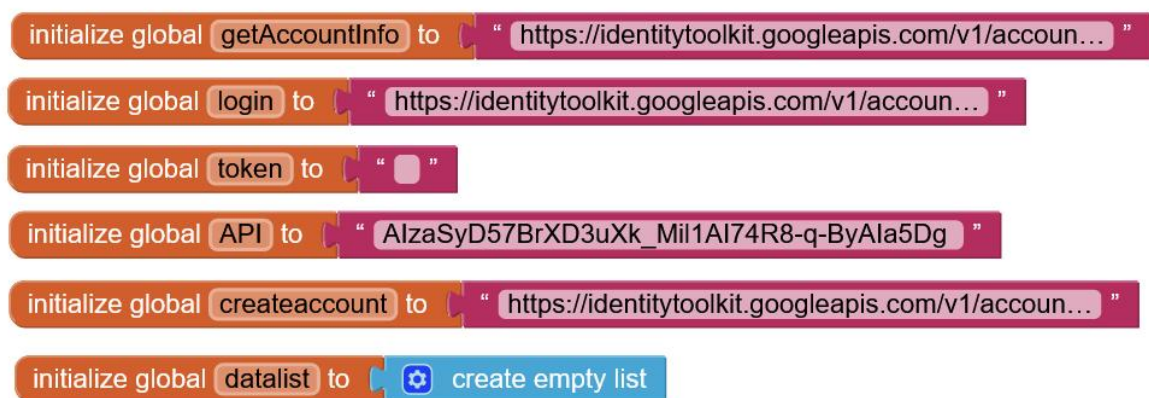
User can view site temperature, which updates periodically as new data is obtained from the cloud.

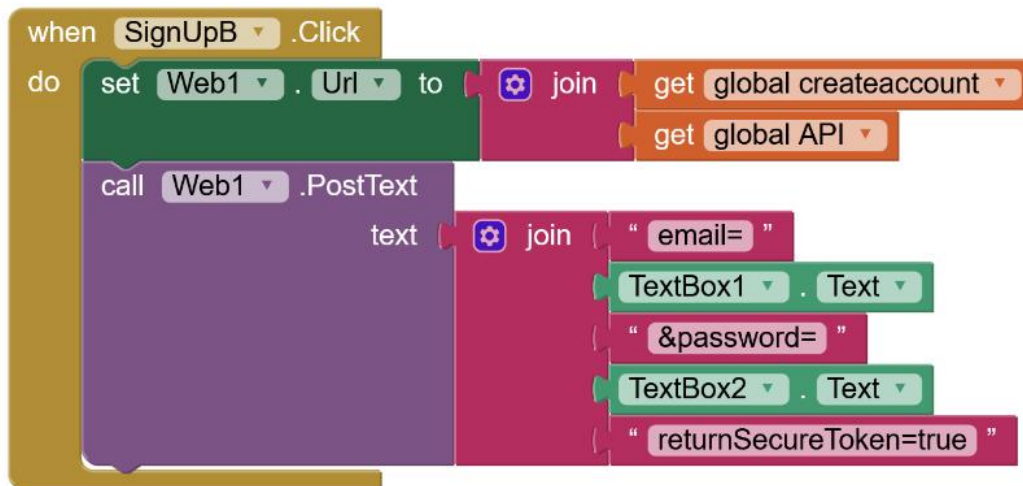


When a temperature anomaly is detected, the app sends an alert to the user and indicates to them the nearest exit.

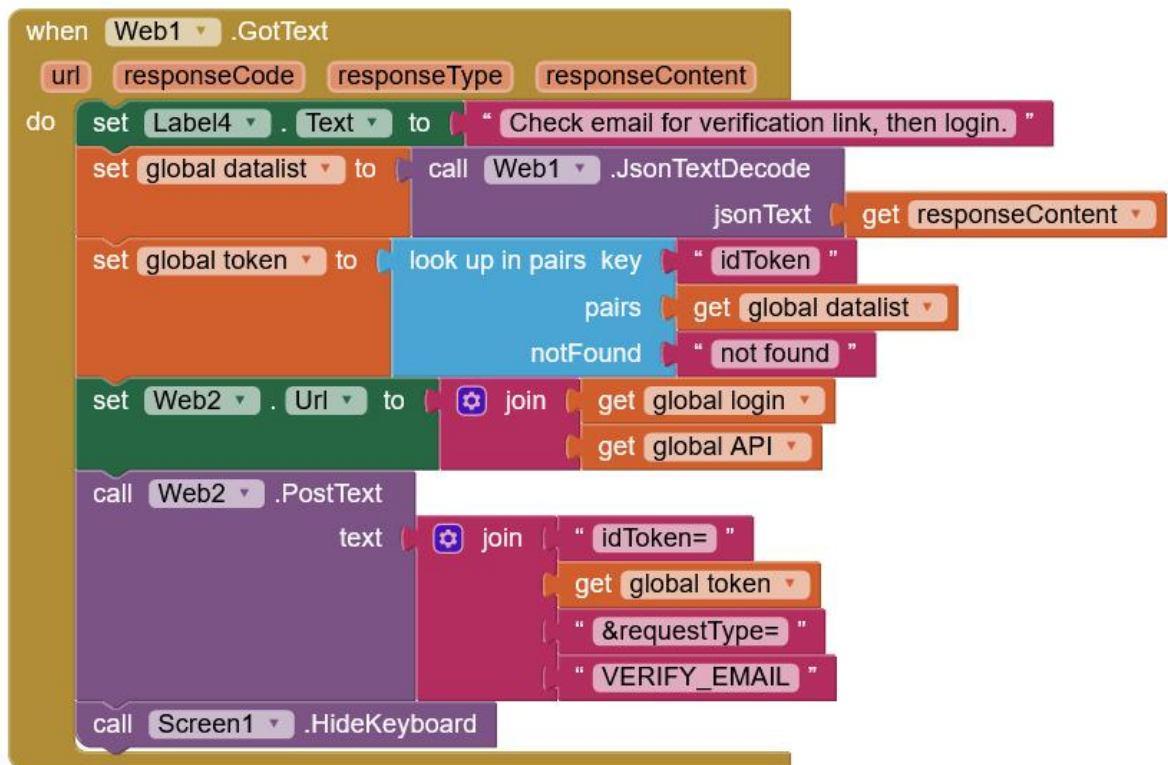
Firestore API

The first step is to log in and create a Firestore project and obtain an API key.

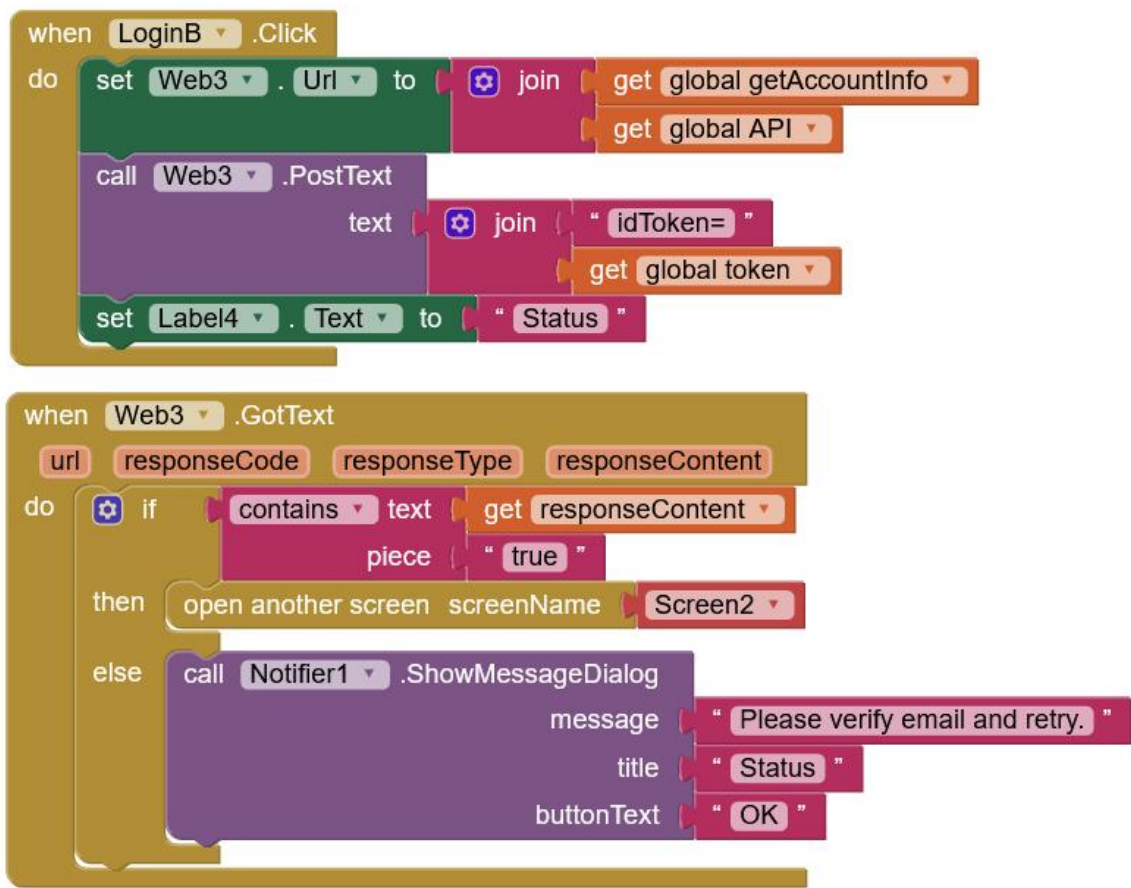




The above block handles account creation when the Sign Up button is pressed.



This block sends the verification email on successful account creation.

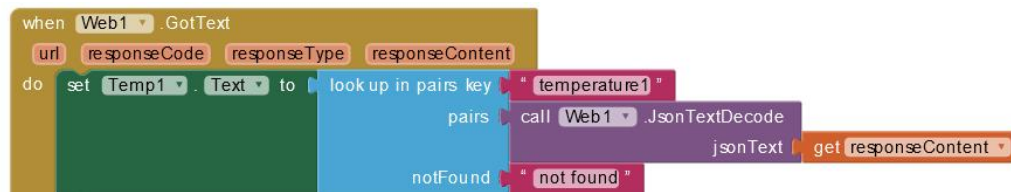


This block checks if the account is verified when Login is clicked. If verified, it opens the next page of the app.

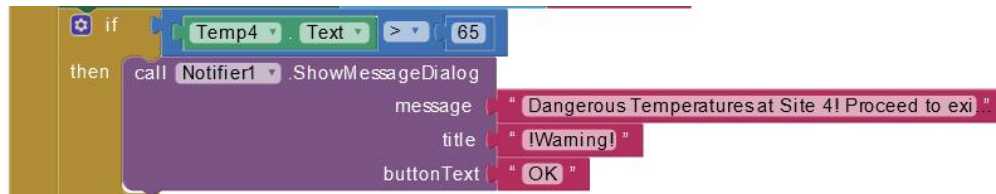
Screen 2



The above code periodically refreshes and gets data from the specified URL. The URL is generated by the HTTP needs in Node-RED.



On receiving data, the appropriate temperature data for the site is extracted from the JSON and displayed on the app UI.



The notification block - notification is sent if temperature rises above 65 degrees celsius.