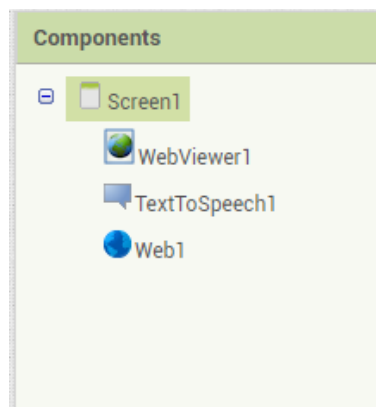


SPRINT 3 - TEST CASES AND OUTPUTS

Following are the results obtained for sprint 3

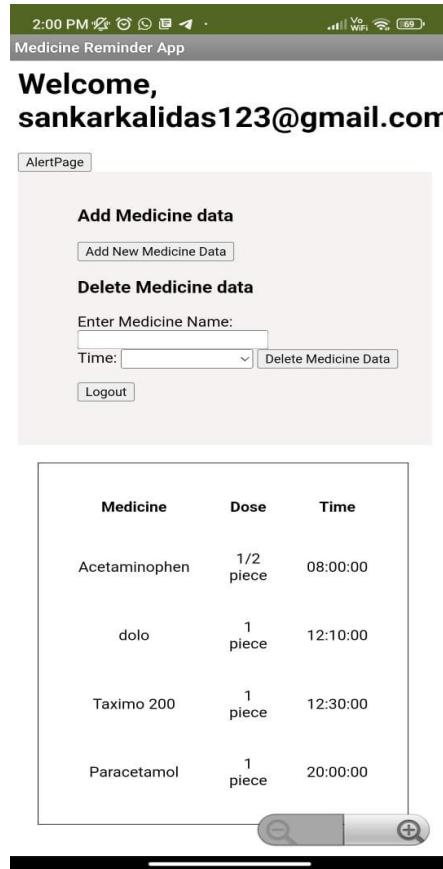
- Creation of mobile application design using MIT app inventor to assist the elderly with medicine reminders and Voice commands (Text to Speech).
- Simulation of the project using Wokwi software.

The below Figure displays the components developed in the MIT mobile application app.



Components of MIT Mobile Application App

The below Figure displays the Homepage of the Mobile application developed using MIT App Inventor.



Homepage of MIT App

The below Figure displays the Login and registration page of the MIT Mobile application.



Login and Registration Page of MIT App

The below Figure displays the login error message which appears when the entered username doesn't exist or is invalid.



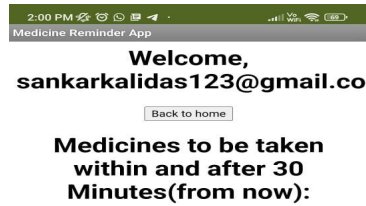
Login error

The below Figure shows the medicine details entry page of the MIT Mobile Application.



Medicine details entry page of MIT App

The below Figure displays the alert message which reminds the user using Voice message before or after thirty minutes of the specified time for a medicine. It will be displayed using the mobile app as displayed in the image.



Alert Message for Medicine Intake

PERFORMANCE ANALYSIS FOR MULTIPLE USERS:

The mobile app is also tested for various users and it too worked fine for all various cases. The images were shown below Figure

The screenshot shows the 'AlertPage' of the 'Medicine Reminder App'. At the top, the status bar displays the time 18:24:35 and battery level at 24%. The app title 'Medicine Reminder App' is visible. Below the title, a welcome message reads 'Welcome, balasurya123@gmail.com'. The main content area is divided into two sections: 'Add Medicine data' and 'Delete Medicine data'. The 'Add Medicine data' section contains a button labeled 'Add New Medicine Data'. The 'Delete Medicine data' section includes a text input field for 'Enter Medicine Name:', a 'Time:' dropdown menu, a 'Delete Medicine Data' button, and a 'Logout' button. Below these sections is a table displaying the current medicine schedule.

Medicine	Dose	Time
Paracetamol	1/2 piece	08:00:00
Dolo	1 piece	19:00:00

At the bottom of the screen, there is a navigation bar with three icons: a magnifying glass, a square, and a plus sign.

Performance analysis for User 4

18:29:27

18.0 5G 23%

Medicine Reminder App

Welcome,
kavi123@gmail.com

AlertPage

Add Medicine data

Add New Medicine Data

Delete Medicine data

Enter Medicine Name:

Time:

Delete Medicine Data

Logout

Medicine	Dose	Time
Diphenhydramine	1 mg	09:00:00
ibuprofen	2 mg	19:00:00
phenylephrine	1 piece	19:00:00

Performance analysis for User 5