
TRM 410

TRM 4C Malam

APPLICATION MOBILE BABY MONITORING



TEAM MEMBER NAME



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Salva Nabila
4312211075



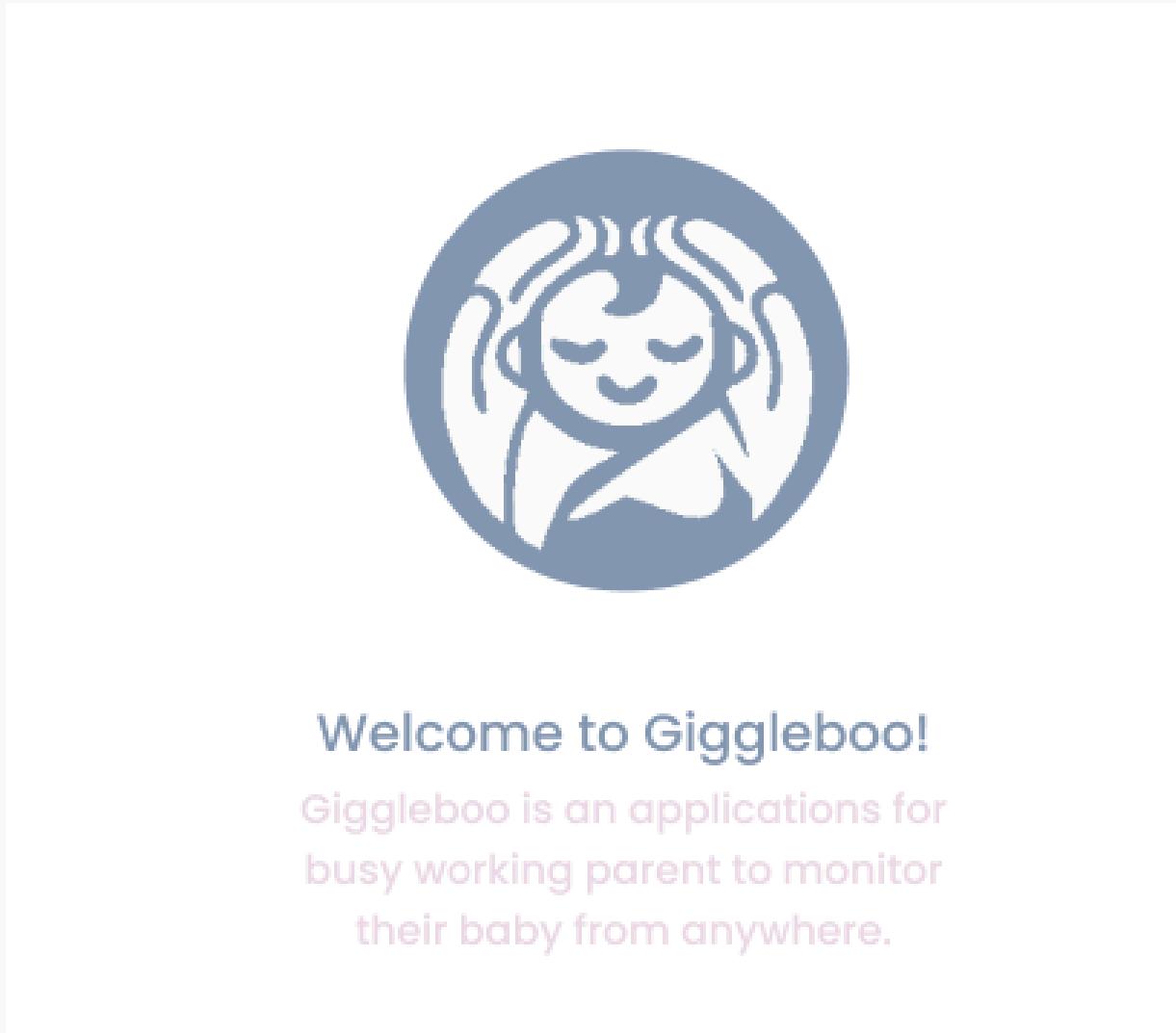
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Jasheline Lie
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Muhammad Fiqih
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PROJECT DESCRIPTION

Mobile Baby Monitoring System application is an integration between mobile application and IoT System. This project aims to provide a practical solution for parents and caregivers to monitor their baby's health and well-being more efficiently through mobile devices. Important Features: This project is to reduce the pressure of parents in monitoring infant children. With this app, parents and caregivers can provide the best care for babies more easily and efficiently.

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CONTRIBUTION OF PBL COURSE ENGAGEMENT

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System Administration

Install and configure the Linux server operating system. Explain the Linux server operating system and its distribution and package repository.

Statistics

Understand the basic concepts of data collection, probability and sampling distribution. Plan data collection activities according to research objectives. Explain data presentation techniques

Object Programming

Learn about the basic concepts of OOP, such as class, object, inheritance, polymorphism, etc. and also learn how to apply these concepts in making applications using certain programming languages.

CONTRIBUTION OF PBL COURSE ENGAGEMENT

Mobile Programming

Learn mobile programming concepts, with real-life examples. Create user interfaces and use data storage

Multimedia IoT System

Learn about assembling and designing tools made using arduino and blynk cloud programming.

Civic Education

Enhance students' understanding of the concepts of citizenship, democracy, human rights, political systems and social issues relevant to their country context.

English

Explain and use English orally and in writing various patterns and topics in English (language works), vocabulary or language expressions appropriately.

LOGBOOK

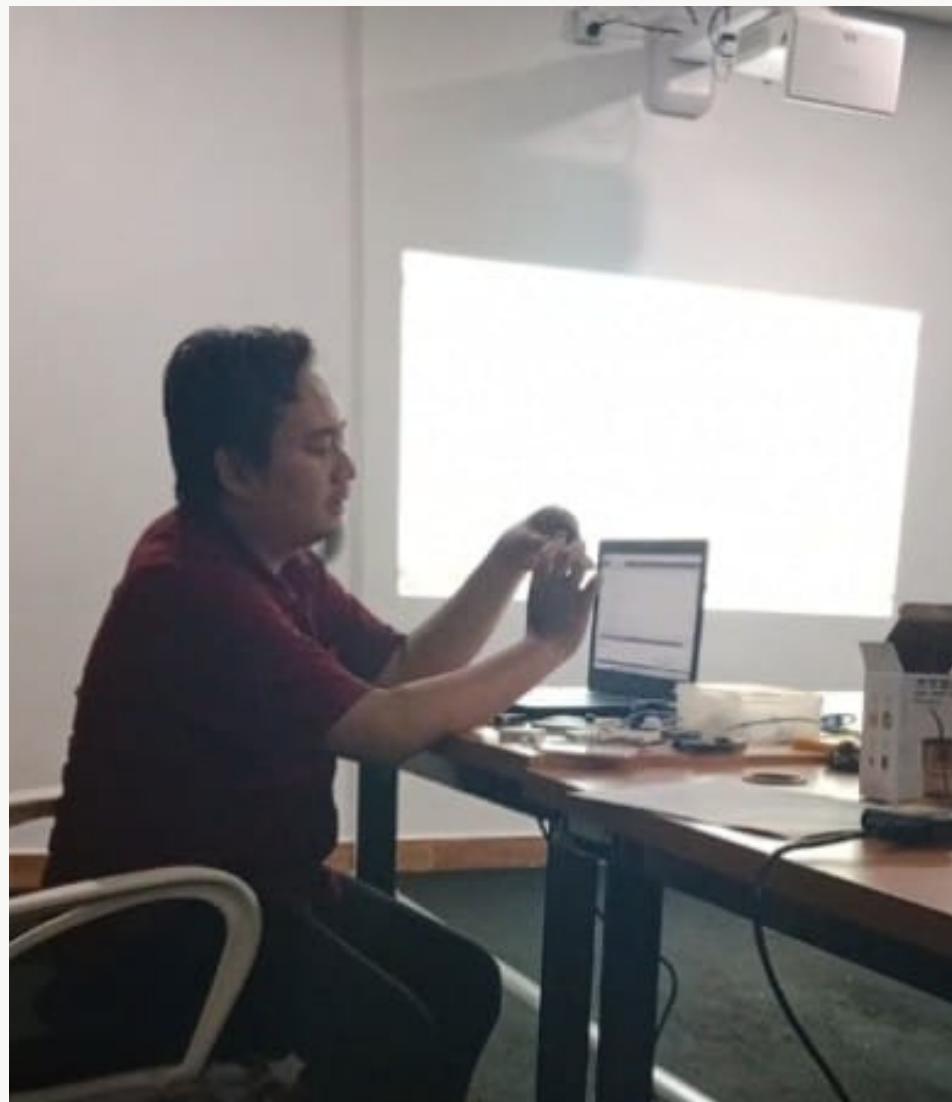
| ID | Tahapan | Detail Pengerjaan | Ouput | Mulai | Selesai | Progress | # |
|----|---|---|--|------------|------------|----------|------------------------|
| 1 | Planning | Pertemuan bersama manager proyek membahas alat dan bahasa yang dibutuhkan dalam proses membuat aplikasi mobile baby monitoring | Excel link alat dan bahan | 2024-02-12 | 2024-02-17 | 5% | <button>Hapus</button> |
| 2 | Planning | Mencatat Rencana Pelaksanaan Proyek (RPP) Seperti biaya alat dan bahan dan estimasi pekerjaan pada proses membuat aplikasi mobile baby monitoring | Excel membuat RPP | 2024-02-19 | 2024-02-24 | 10% | <button>Hapus</button> |
| 3 | Analisis | Diskusi bersama manager proyek dalam melakukan percobaan alat dan bahan yaitu percobaan Aurdino pada proyek aplikasi mobile baby monitoring | Eksperimen Aurdino | 2024-02-26 | 2024-03-02 | 15% | <button>Hapus</button> |
| 4 | Desain | Membuat desain ui menggunakan figma yang berisi login, registrasi dan adanya penggunaan ortu/pengasuh dan baby | Desain ui | 2024-03-04 | 2024-03-09 | 25% | <button>Hapus</button> |
| 5 | Implementasi | Melakukan codingan menggunakan flutter dalam membuat desain berbentuk codingan pada proses pembuatan aplikasi baby monitoring | Flutter baby monitoring | 2024-03-12 | 2024-03-16 | 30% | <button>Hapus</button> |
| 6 | Implementasi | Melanjutkan codingan menggunakan flutter dan menemukan eror dan solusi dalam proses pembuatan aplikasi mobile baby monitoring | Flutter baby monitoring | 2024-03-18 | 2024-03-23 | 40% | <button>Hapus</button> |
| 7 | Membuat presentasi | Membuat presentasi Inggris tentang aplikasi baby monitoring, yang berisi deksripsi, dokumentasi, dan outputnya | Ppt Inggris baby monitoring | 2024-03-25 | 2024-03-30 | 45% | <button>Hapus</button> |
| 8 | Implementasi | Melanjutkan codingan menggunakan flutter dan membuat fitur-fitur aplikasi baby monitor dalam bentuk codingan | Flutter baby monitoring | 2024-05-06 | 2024-05-11 | 55% | <button>Hapus</button> |
| 9 | Implementasi | Merangkai alat-alat dan bahan (iot) untuk menjalankan proyek pada aplikasi baby monitoring (memfokuskan pada 3 sensor yang di gunakan) | Rangkai iot | 2024-05-13 | 2024-05-18 | 60% | <button>Hapus</button> |
| 10 | Implementasi | Melanjutkan rangkai iot pada proyek aplikasi baby monitoring dan mengecek ke 3 sensor, berfungsi atau tidak | Rangkaian iot | 2024-05-20 | 2024-05-25 | 70% | <button>Hapus</button> |
| 11 | Implementasi | Menyambungkan iot ke database codingan dan mencoba semua alat-alat apakah berfungsi dengan baik atau tidak | Database dan rangkaian iot | 2024-05-27 | 2024-06-01 | 75% | <button>Hapus</button> |
| 12 | Implementasi | Memfokuskan penyambungan firebase ke flutter, agar dapat menampilkan tampilan ke dalam android dan memperbaiki eror pada flutter | Flutter baby monitoring | 2024-06-03 | 2024-06-08 | 80% | <button>Hapus</button> |
| 13 | Desain | Membuat desain poster yang berisi tentang aplikasi baby monitoring untuk pengumpulan data terakhir pbl | Poster | 2024-06-10 | 2024-06-15 | 90% | <button>Hapus</button> |
| 14 | Menyelesaikan berkas-berkas pengumpulan akhir | Membuat laporan proyek terakhir, membuat manual book, menyelesaikan aplikasi baby monitoring dan berita serah terima | Laporan proyek, manual book, berita serah terim dan aplikasi baby monitoring | 2024-06-17 | 2024-06-22 | 100% | <button>Hapus</button> |

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WORK PROGRESS DOCUMENTATION

MEETING WITH PROJECT MANAGER



We discussed with the project manager about the project we were going to make. The project manager provides direction to our team, such as discussing the tools and materials that will be used and the users of the tools and materials on the project that will be created.



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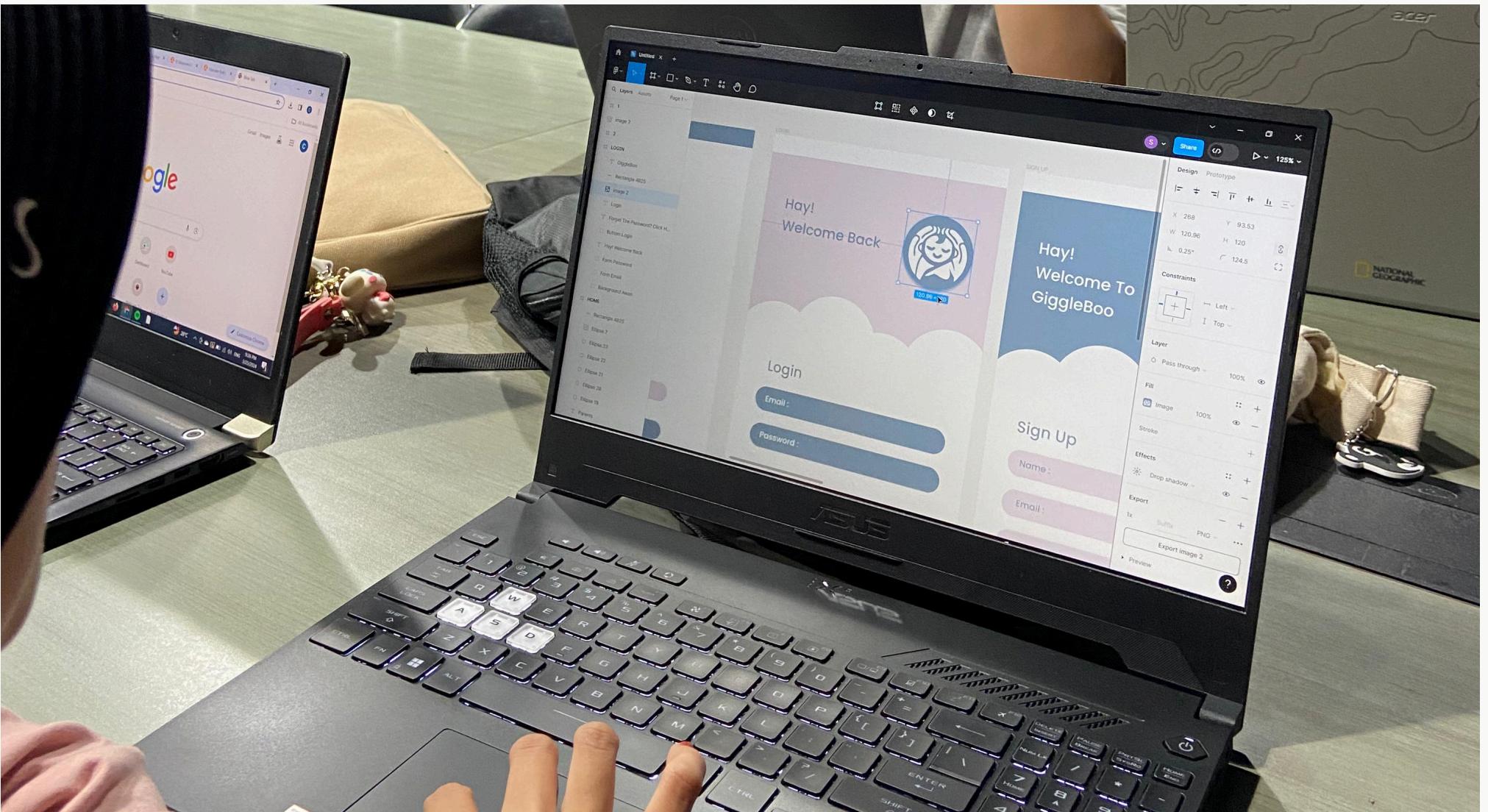
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BRAINSTORMING



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FIGMA AND USE CASE



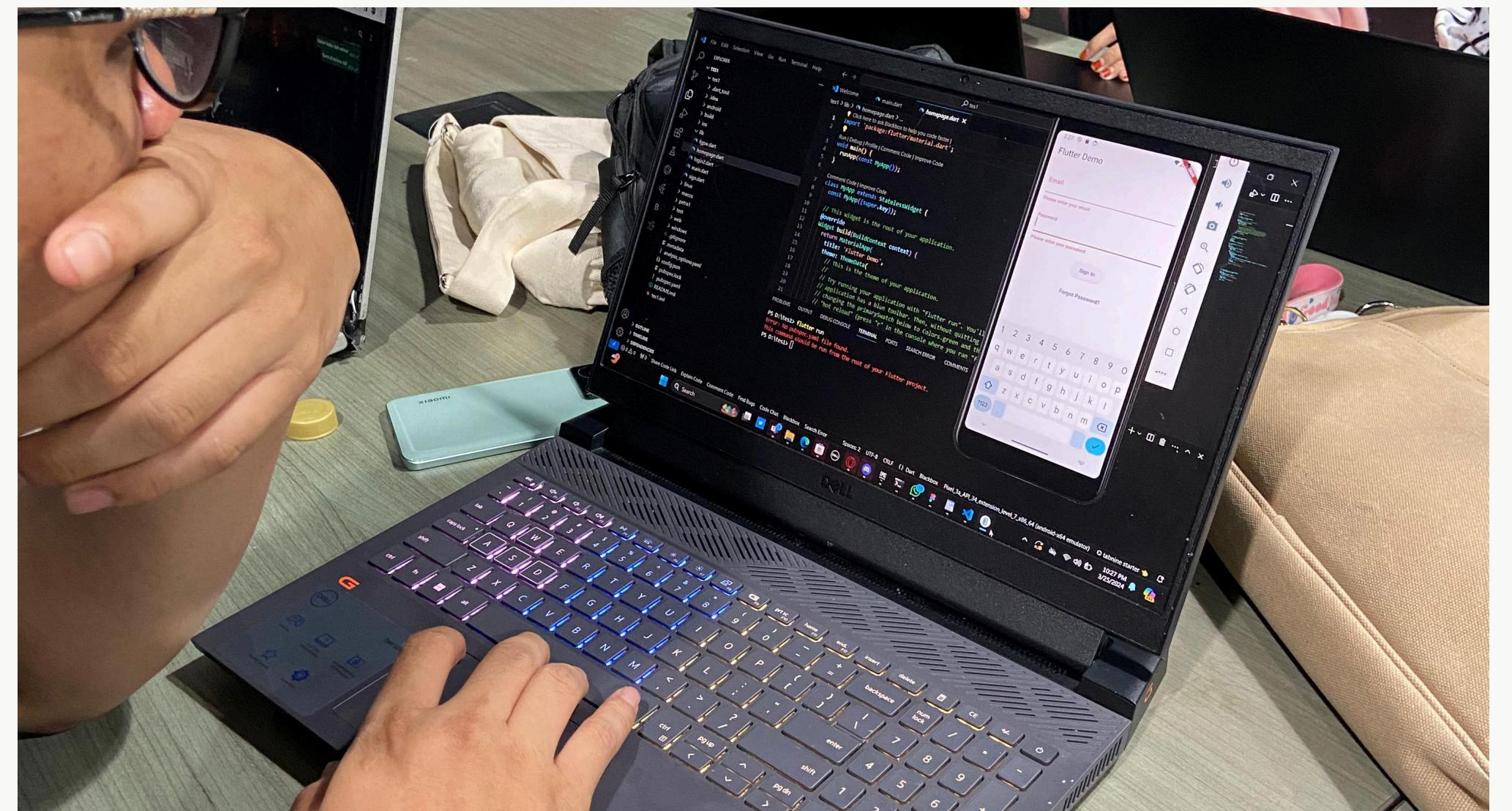
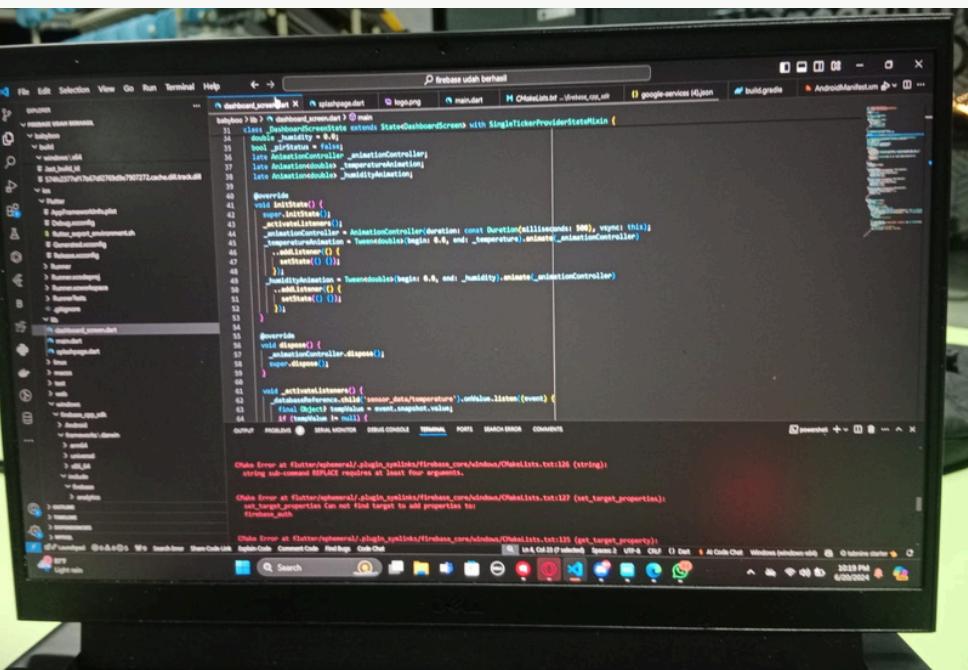
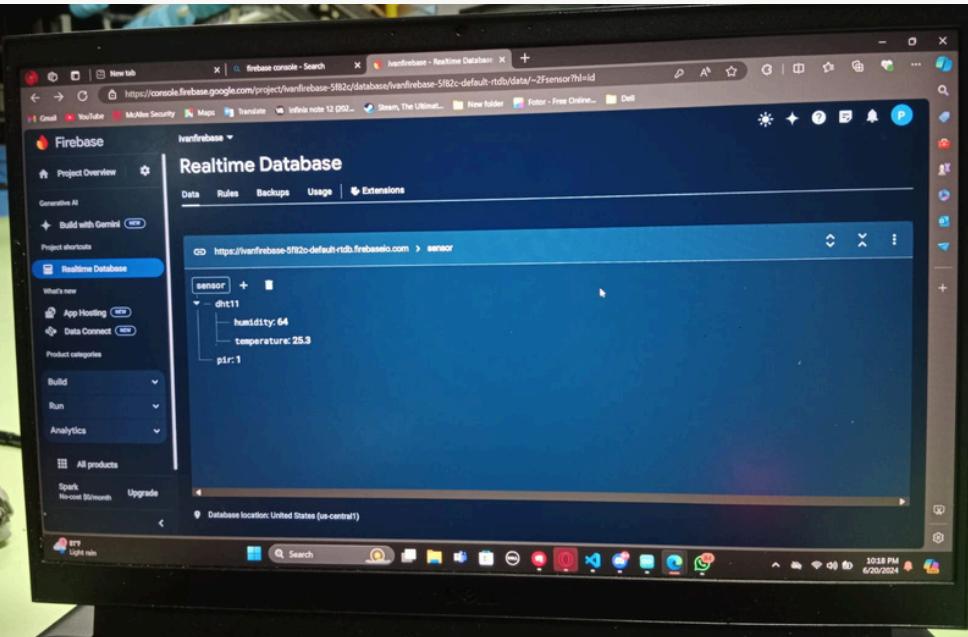
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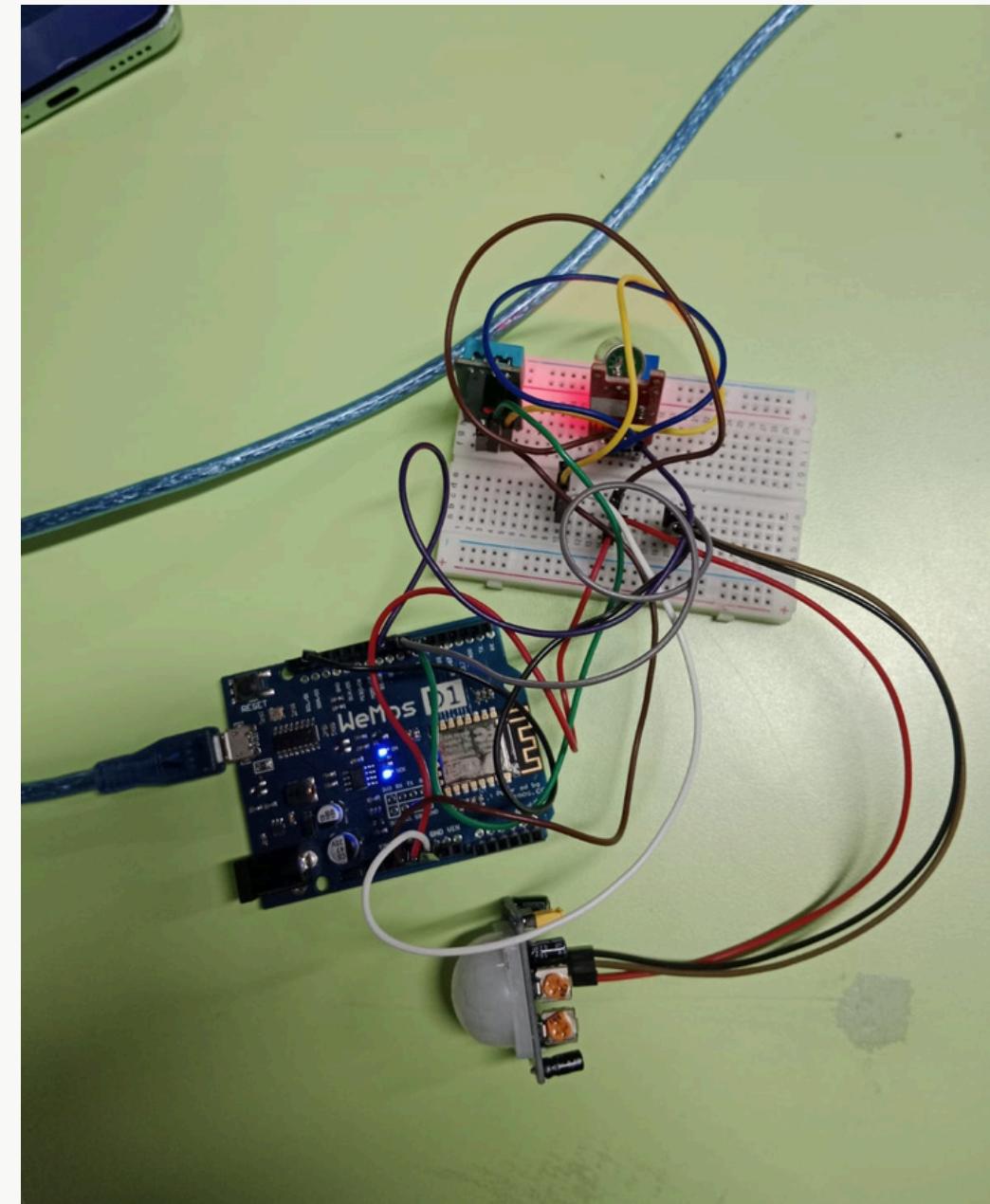
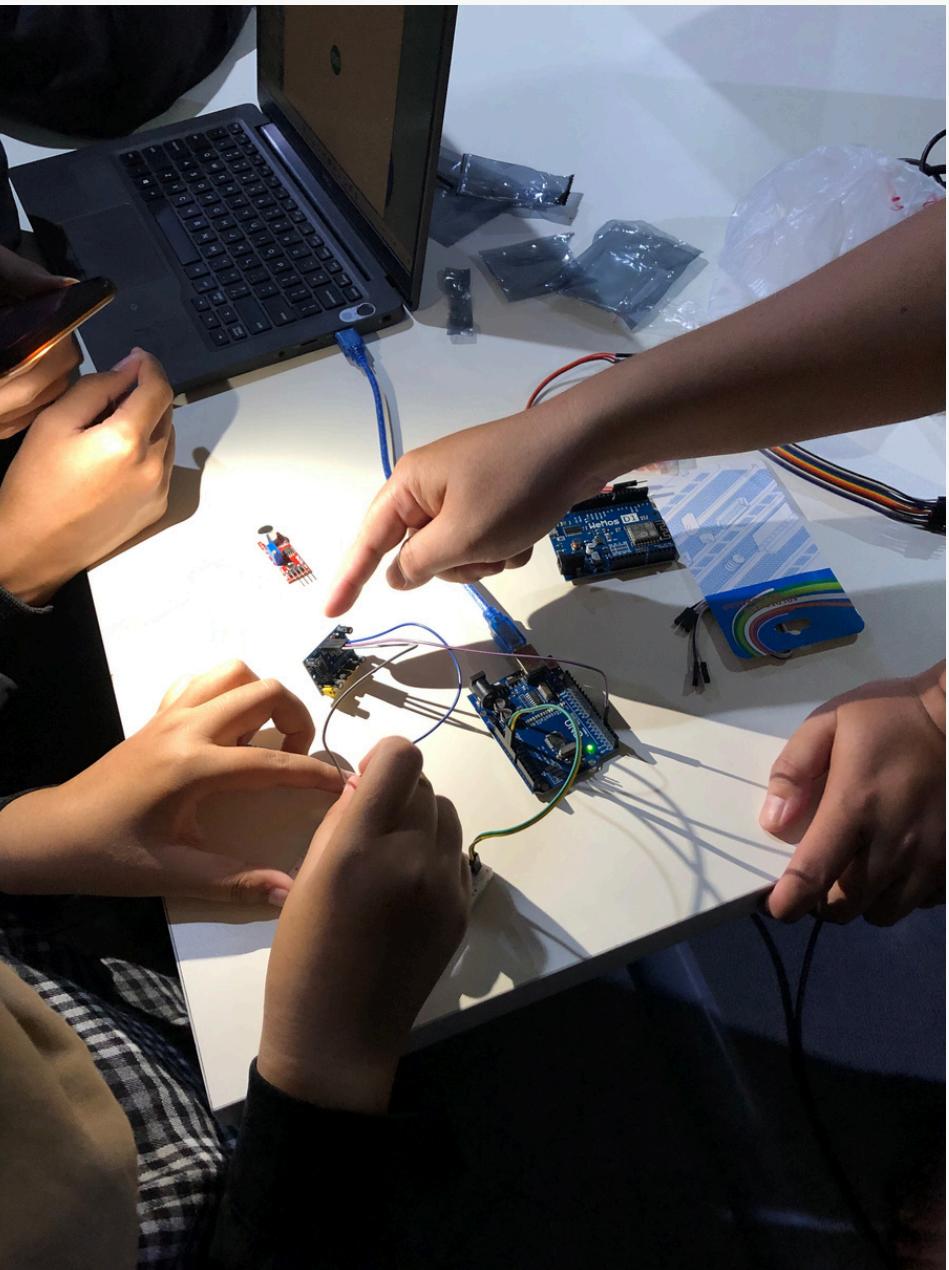
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PROGRAMMING



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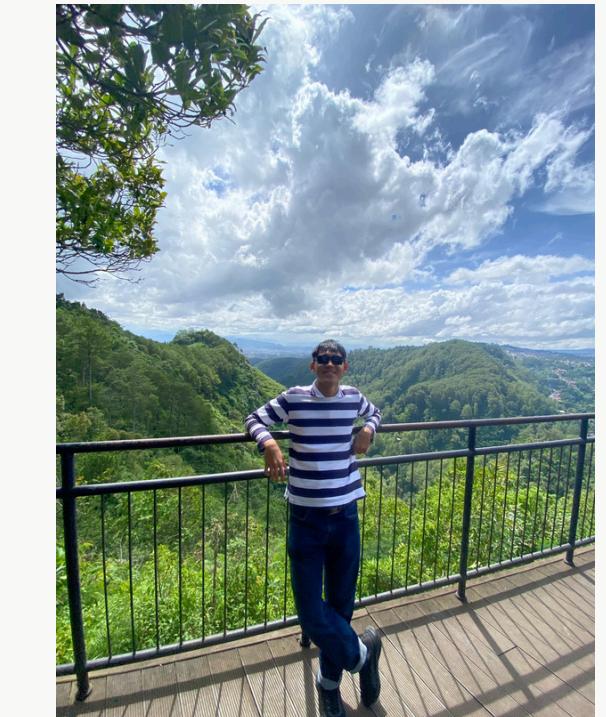


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IOT

Discover the future of childcare with IoT-powered baby monitoring. Our advanced system integrates smart sensors and real-time connectivity to keep you informed about your baby's well-being, no matter where you are.

EACH MEMBER'S CONTRIBUTION



Petra

Flutter

Salva

UI/UX Design

Christia

Leader (UI/UX Design)

Jasheline

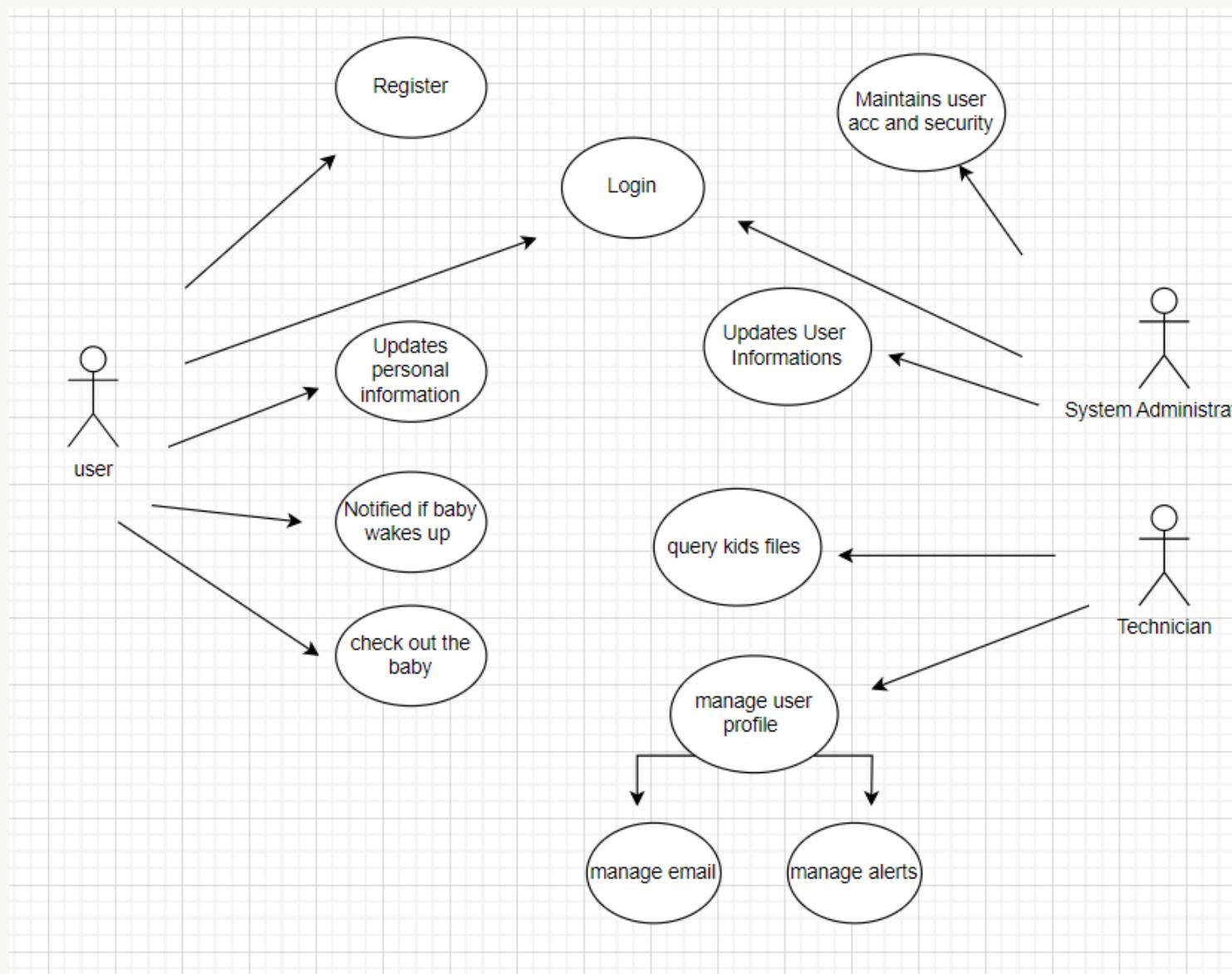
UI/UX Design

Fiqih

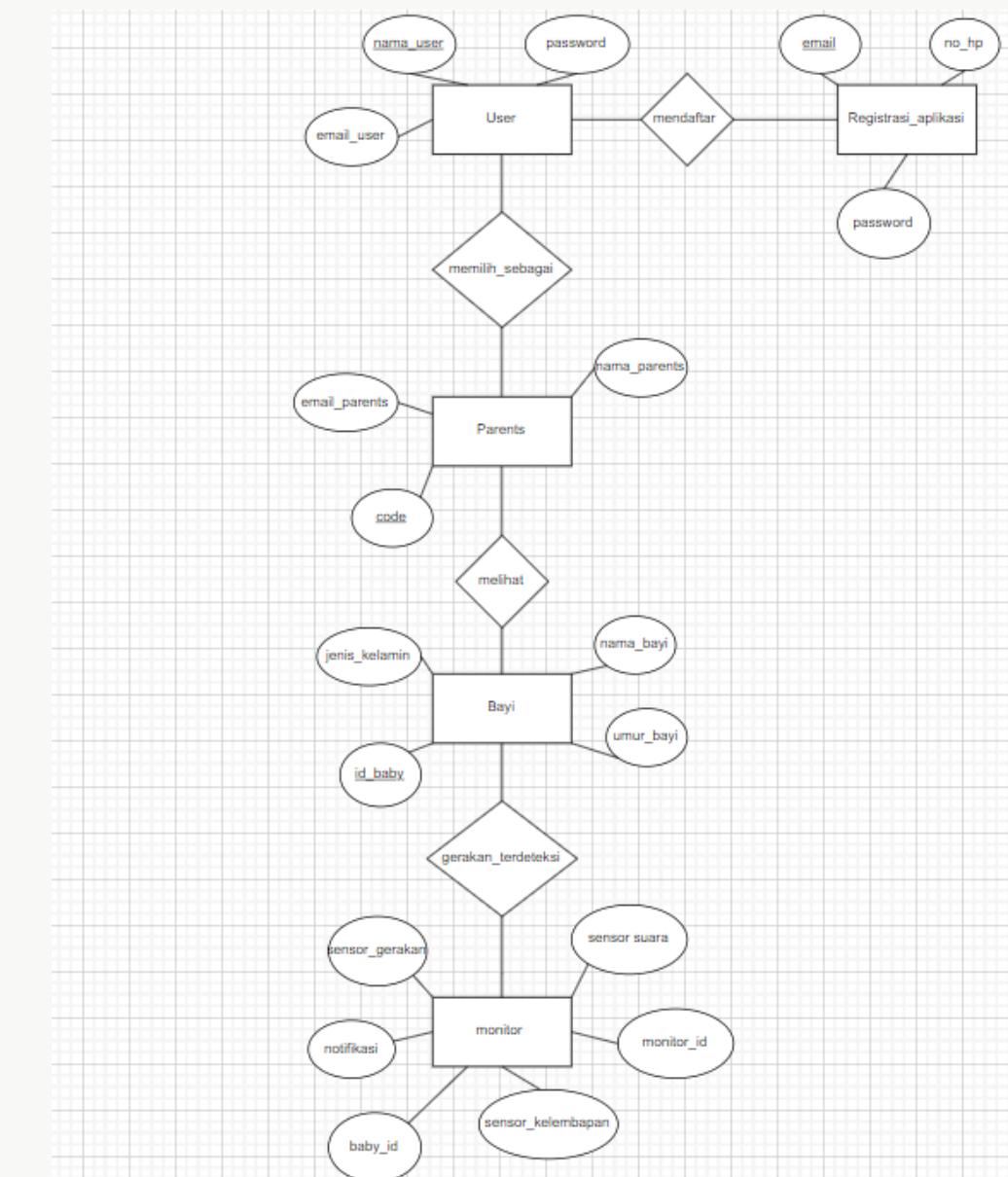
Flutter

OUTPUTS RESULTING FROM THE PROJECT

USE CASE AND ERD DIAGRAM



USE CASE



ERD DIAGRAM

FIGMA

Welcome to Giggleboo!
Giggleboo is an applications for
busy working parent to monitor
their baby from anywhere.

Get Started

GiggleBoo

Hay!
Welcome Back

Login

Email :

Password :

Forget The Password? [Click Here](#)

GiggleBoo

Hay!
Welcome To
GiggleBoo

Sign Up

Name :

Email :

Telephone :

Password :

Sign Up

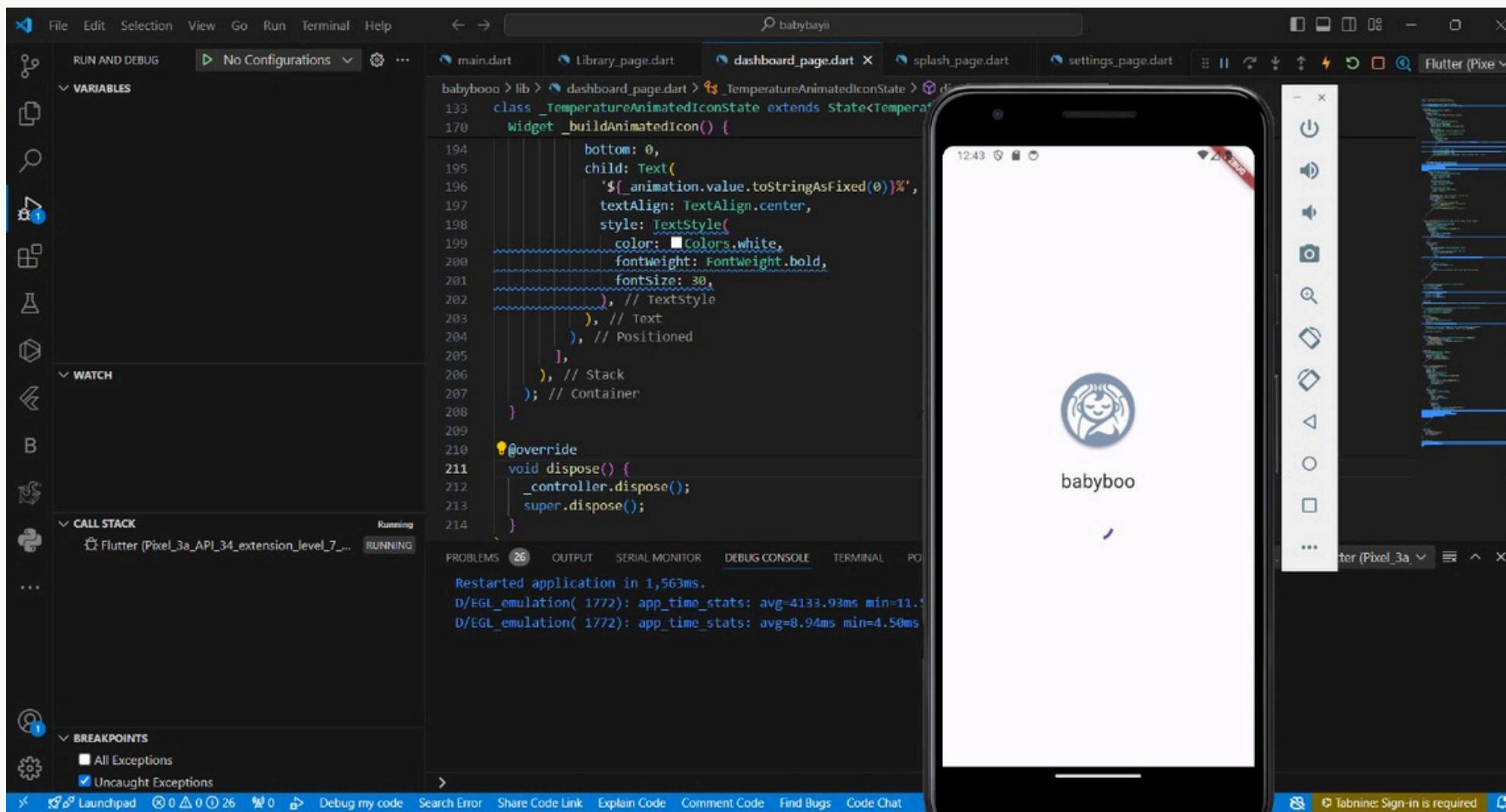
Already using Giggleboo? [Click Here](#)

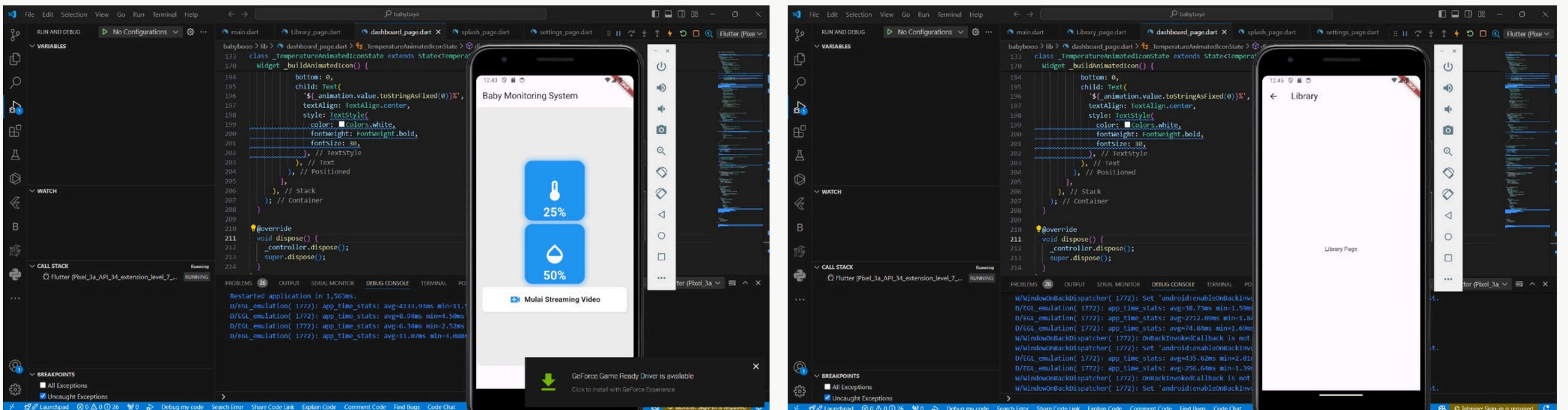
GiggleBoo

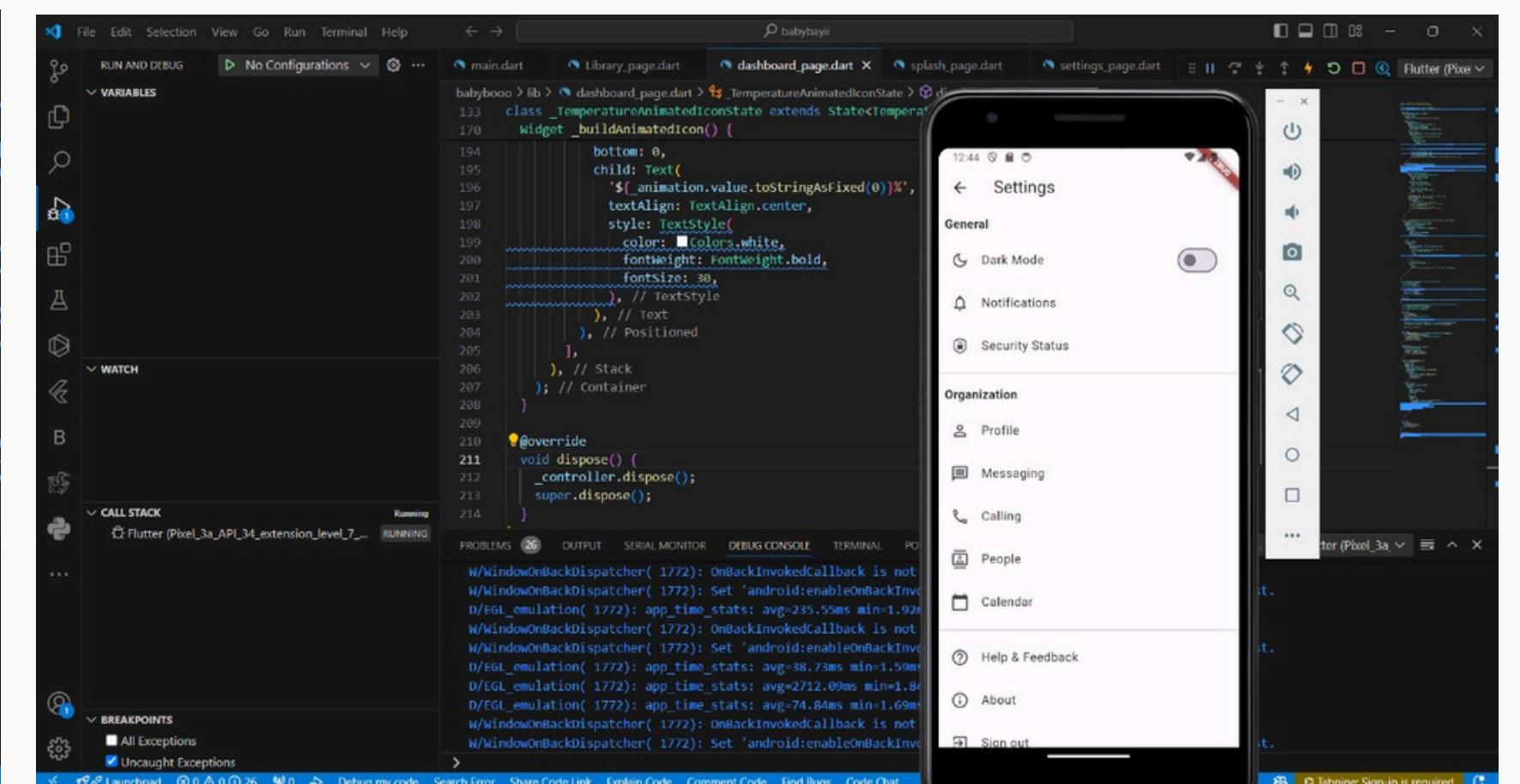
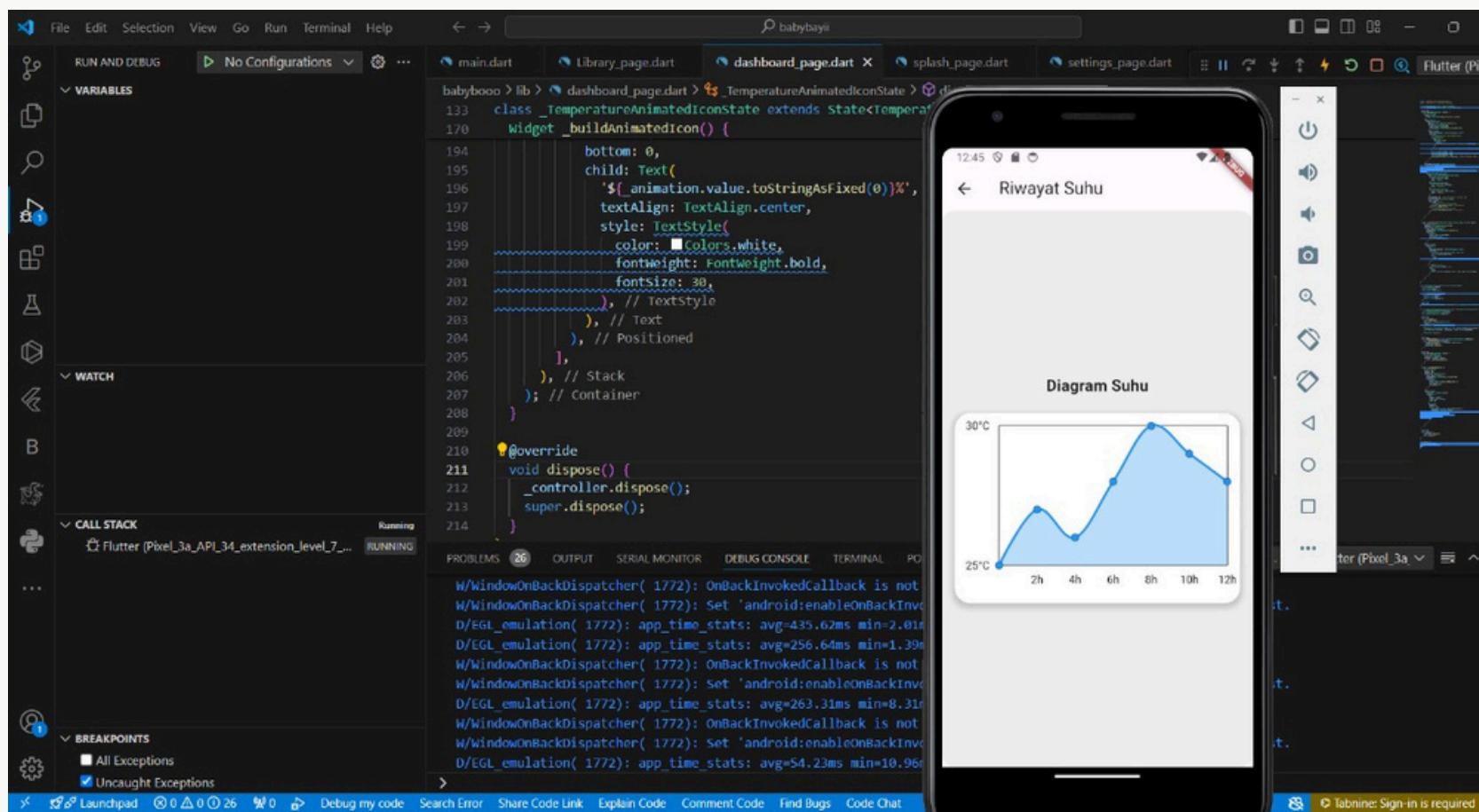
Baby Situation

Parents

FLUTTER



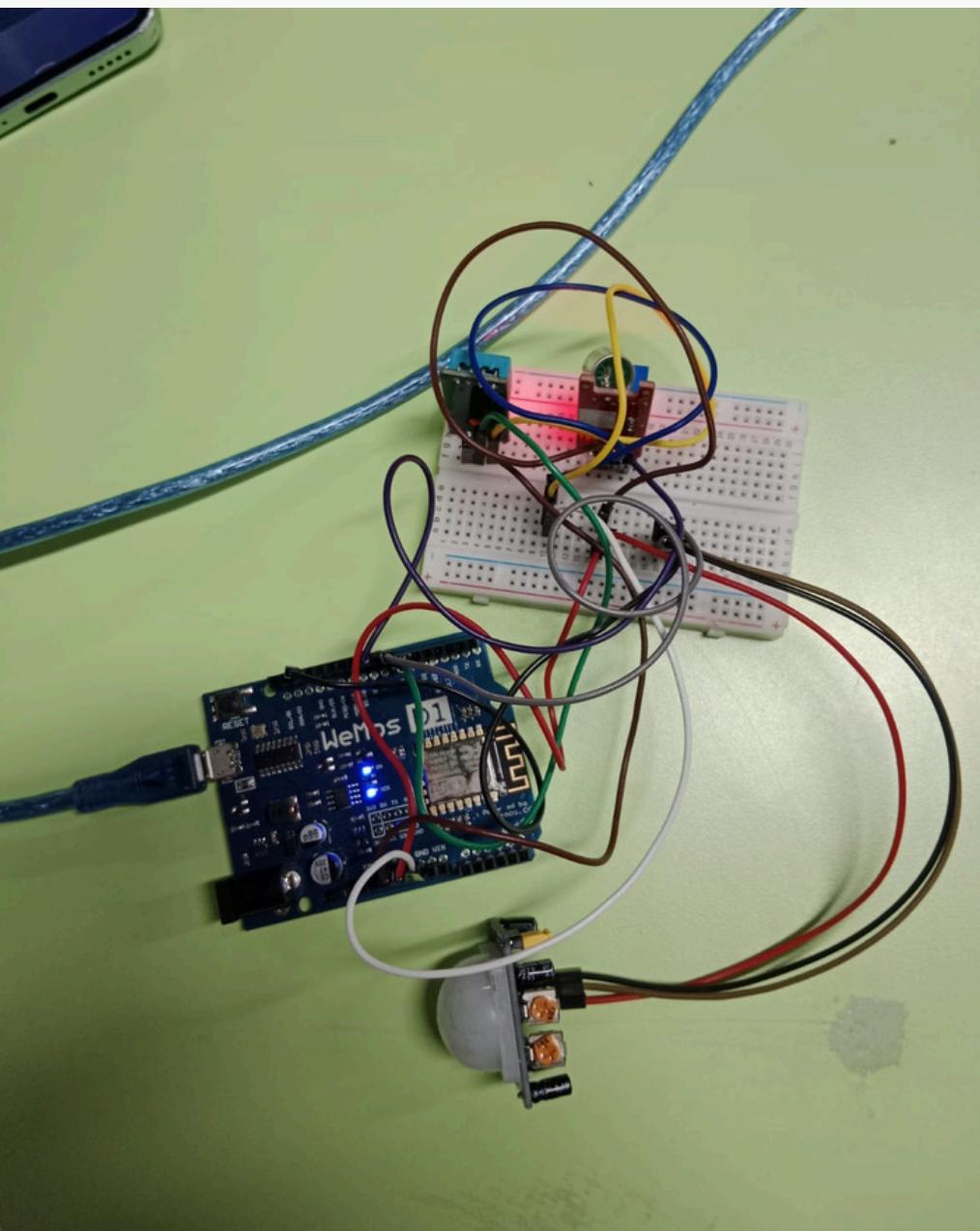




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IOT



PROBLEMS SOLUTIONS

1.

We Difficult to find tools and materials for the project of making a baby monitoring mobile application

#2.

We found problems creating Flutter programs and other programming languages

1.

The project manager revises the place of tools and materials

2.

We learned from Manpro and related websites related to our problem

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THANK YOU
