

Group 5

Smart Attendance System using Face Recognition

by:

**Chai Yee Pei
Joey Low Yan Hui
Tan Jun Yee
Terence Lim Chia Mao**

Background & Problem Statement

- Time-consuming
- Error-prone
- Susceptible to misuse

Objective

- Mobile application that enables lecturers to take student attendance using face recognition technology.
- Secure user management and role-based access control for lecturers.
- Backend system with database storage for attendance records, student profiles, and reporting features.
- Reports that show attendance percentages and **send absence notifications for better class management.**
- To evaluate the performance of the system through testing the accuracy, usability, and reliability.



Biweekly Update (Week 4)

- Task delegated among group members
 - GitHub repository opened and collaborated with group members
 - Flutter, Python (Learning)
 - Design of frontend concept (App)
 - Proposal completed (Pending approval)
 - First logo prototype completed
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First Logo Prototype



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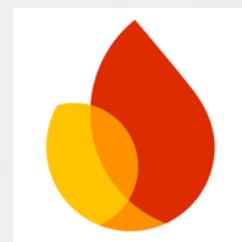
Joey Low Yan Hui

Tan Jun Yee

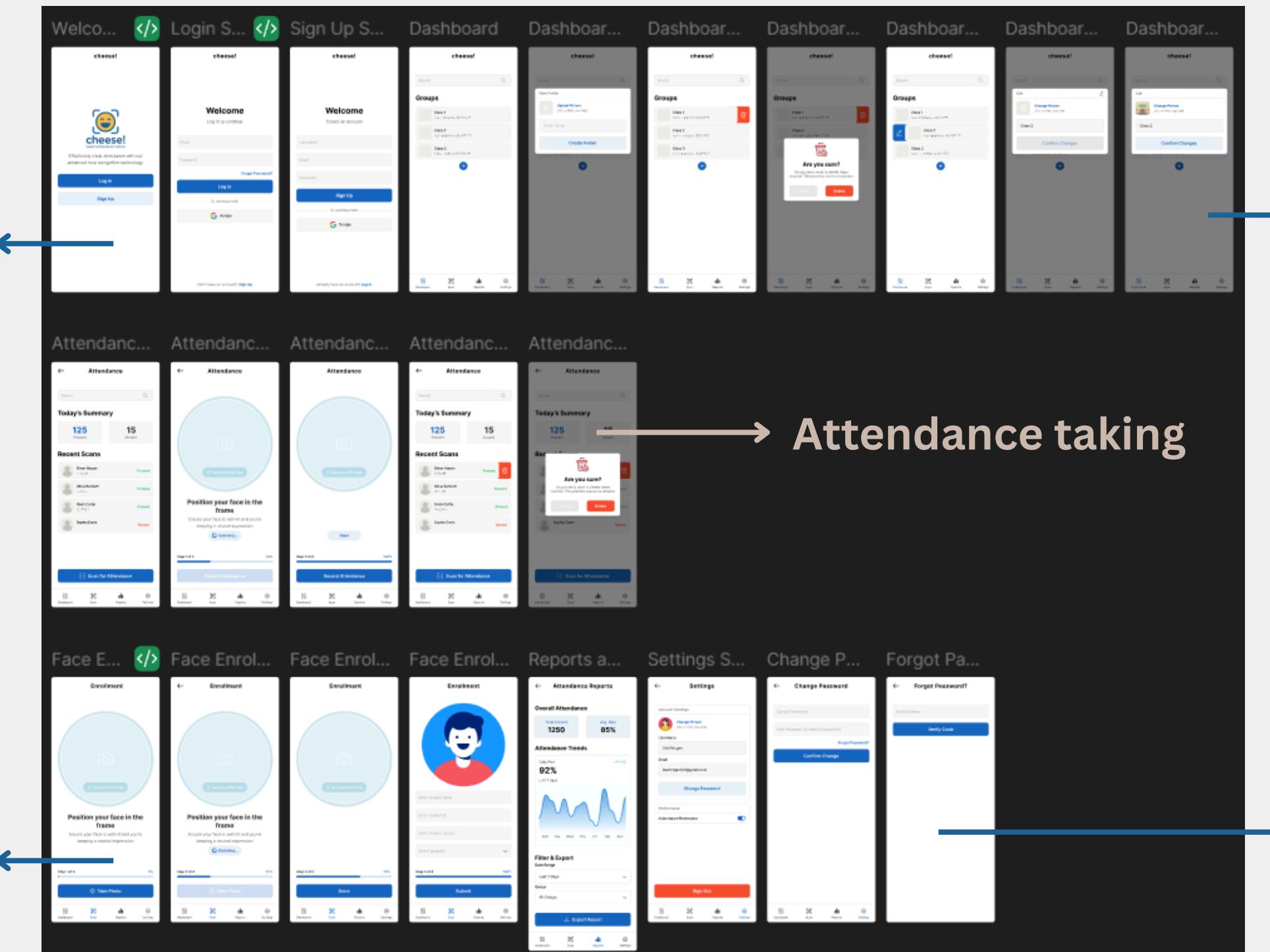
Terence Lim Chia Mao

Biweekly Update (27/10/25)

- UI design completed
- Frontend in progress around 85%
- Backend in progress at 20%
- Authentication part for user to login or sign up in progress
- Trying to connect API to backend
- Registered/Integrated app on Firebase (Google Login secured)



Login Page

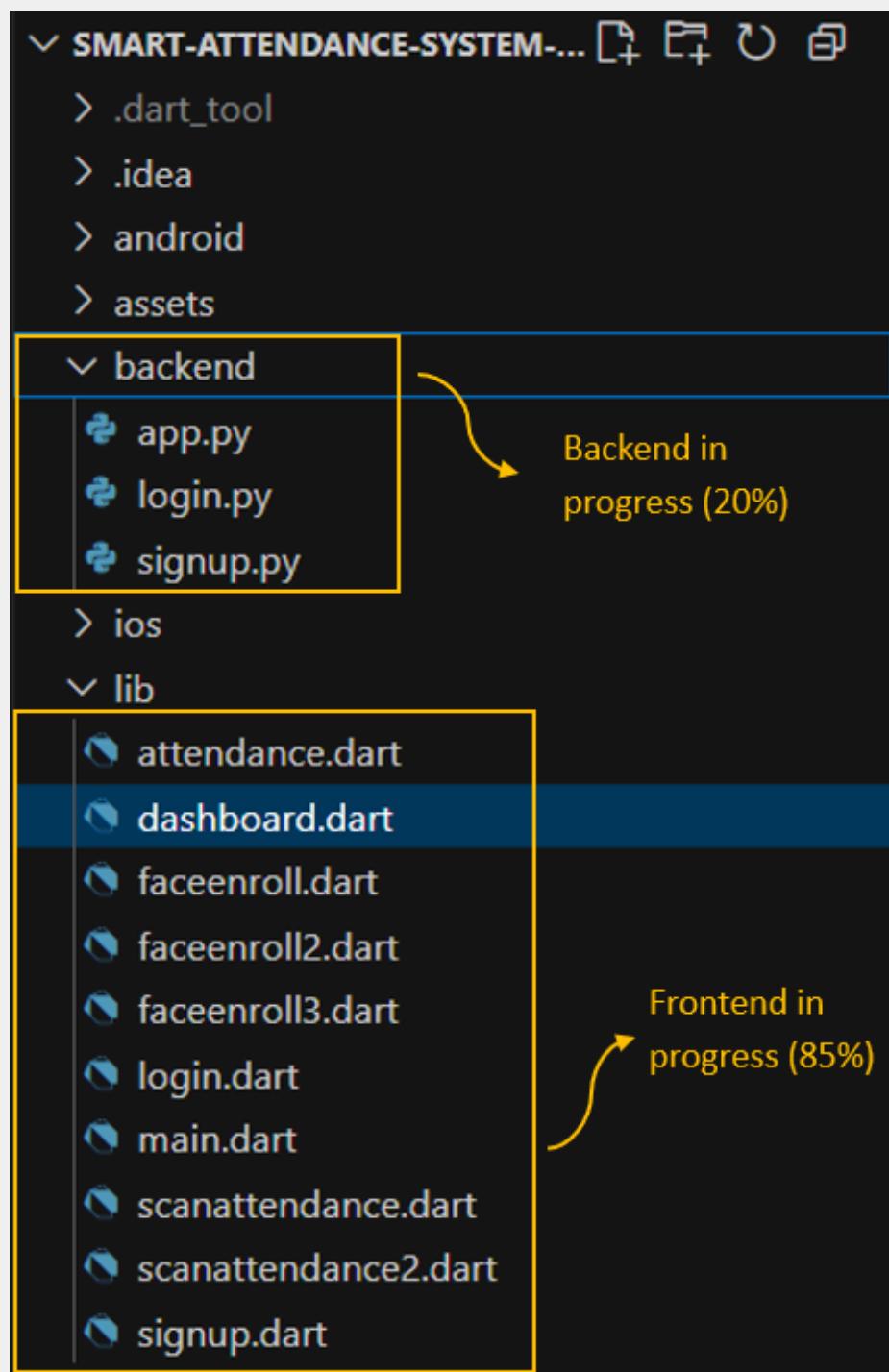


Dashboard

Attendance taking

Enroll new user

**Reports &
Settings**



That's it for week 6!

Thank you for listening!

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Chai Yee Pei

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Tan Jun Yee (couldn't make it today)

Terence Lim Chia Mao

Biweekly Update (10/11/25)

- **Face detection functionality** tested (currently recognizes more than two faces, detection range limits require testing)
- **Latest version** of Figma
- API **successfully connected** to the backend
- Scrapped Firebase Authentication/SDK and switched to **Google Cloud** (OAuth 2.0)

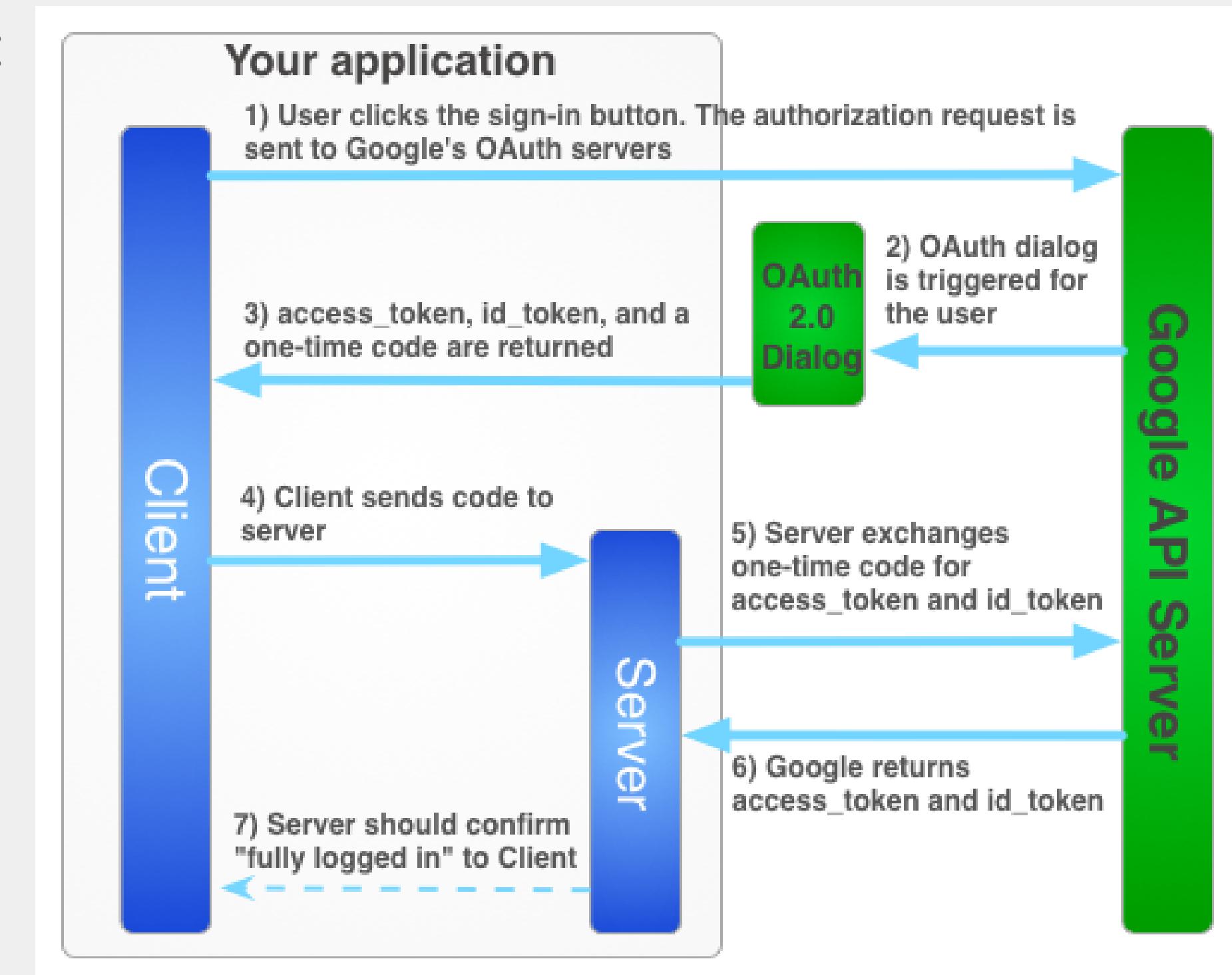
Biweekly Update (10/11/25)

Next steps:

- Ensure all functional buttons are operational
- [Create OAuth 2.0 consent](#)
[Create OAuth 2.0 client ID credentials](#)
[Create OAuth 2.0 client profile](#)
[Configure OAuth 2.0 client](#)
[Configure client key](#)
[Request OAuth 2.0 access tokens](#)
[Multiple Google Cloud projects scenario](#)
[Validate authentication configuration](#)

Biweekly Update (10/11/25)

How it works:



That's it for week 8!

Thank you for listening!