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Project Diary – Individual Assignment

Completed Steps

12/05/2025 – 15/05/2025

I Created Trello stories and design sketches in Figma. Prepared the project outline and presented the material to the teacher Bile.

19/05/2025

I Created project in Xcode and connected it to the Firebase Console. Configured Firebase for the app.

20/05/2025 – 22/05/2025

I Implemented FirebaseManager to handle authentication and database.

22/05/2025 – 24/05/2025

I Created an AuthProtocol to structure authentication services.

24/05/2025

I Created a FirebaseAuthService class (service) that implements the protocol.

05/25/2025

I Implemented UserViewModel. Started functionality to log out.

05/26 – 05/28

I Was sick. No activity during these days.

05/29/2025

I Added ProgressHUD to both LoginView and RegisterView to show loading status and feedback.

Planning for remaining work

06/03/2025 (Monday)

As a user, I want to be able to reset my password if I have forgotten it.

I Implementing password reset via Firebase + UI flow.

06/04/2025 (Tuesday)

As a user, I want to be able to log in with Google.

I Starting Google Sign-In with Swift Package Manager and Firebase support.

06/05/2025 (Wednesday)

I Continuing work on Google Sign-In. Testing flow and ensuring compatibility with UI.

06/06/2025 (Thursday)

As a user, I want to be able to change username.

I Starting updating usernames in Firestore + new view for editing.

07/06–08/06 (weekend)

No work (Saturday & Sunday)

09/06/2025 (Monday)

I Finishing the edit profile flow (change name + profile picture). Testing and improvements.

10/06/2025 (Tuesday)

I Finishing any bugs. Final testing all authentication functions and UI parts.

Preparing the project diary and reflection part

Reflection on the project

During the project, I learned to work agile with sprints and daily follow-up via Trello. I was responsible for both UI design in Figma and implementation of backend logic connected to Firebase. I also integrated authentication, including Google login, and improved UX using ProgressHUD. Despite a period of illness, I was able to catch up according to plan.

My biggest individual contributions:

Created the entire Firebase integration.

Designed and implemented user flows including login, registration, password reset and Google Sign-In.

Designed the app's interface in Figma.

Took responsibility for structuring the project in Trello.