



Gratitude Jar

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1.0 Project Description

This project involves the development of a mobile application designed for daily note-taking and personal reflection. The application allows users to record notes and rate their daily mood or overall day experience. It provides an automatic weekly summary to help users review patterns and progress over time. Additionally, the system sends motivational reminders to encourage consistency and positive habits. Overall, the application supports emotional well-being, self-awareness, and productivity.

2.0 Application Screens Overview

The application consists of several integrated screens designed to provide a smooth and user-friendly experience. These screens include authentication interfaces such as login and sign up, a home screen for managing daily gratitude notes, and a weekly dashboard that summarizes user activity and mood trends. Additionally, the application offers a positive reminder feature that delivers motivational messages at scheduled times. Users can also manage their personal information through the profile screen and securely log out when needed. All screens are connected and supported by Firebase services to ensure data security, synchronization, and reliability.

2.1 Sign up and Log in

- The Sign-up feature allows new users to create an account by providing their full name, email, and password. User registration is handled using Firebase Authentication, which securely stores and manages user credentials. Once registered, users can log in and start using all application features, including note-taking, daily evaluation, and motivational reminders.
- The Log-in feature allows users to securely access the application using their registered email and password. User credentials are verified through Firebase Authentication to ensure secure and reliable access. This functionality enables users to retrieve their personal notes, daily ratings, and saved data seamlessly.

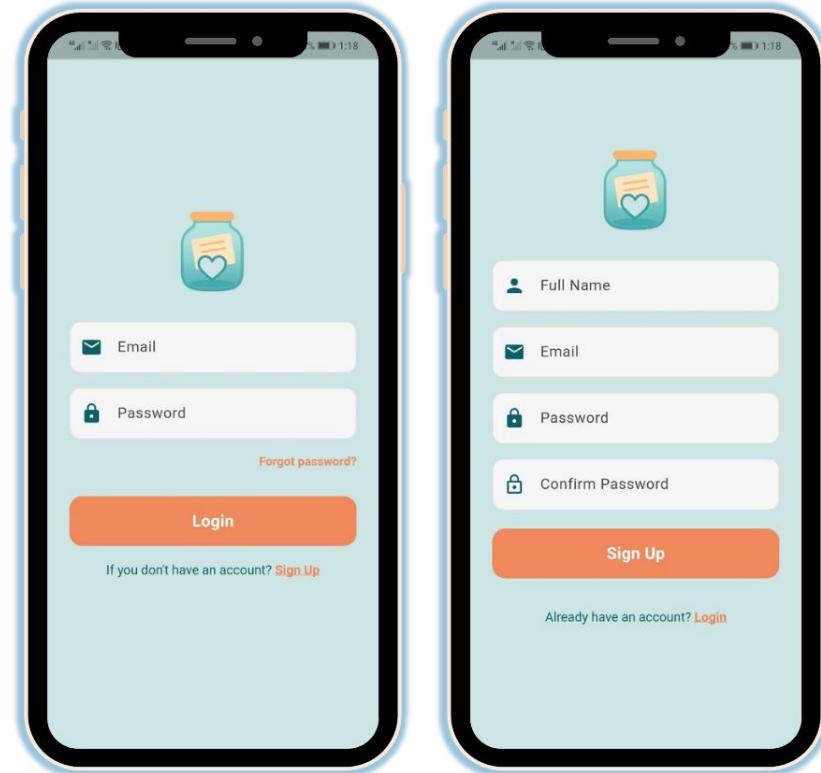


Figure 1 - Sign Up & Log in

2.2 Home Page

- The home screen displays a list of previously added gratitude notes along with their creation or update dates. By tapping the (+) button, users can add a new gratitude note by writing their reflection and selecting a mood to rate their day. The new note is then saved and synchronized with Firebase Firestore, allowing secure storage and retrieval of user-specific data.

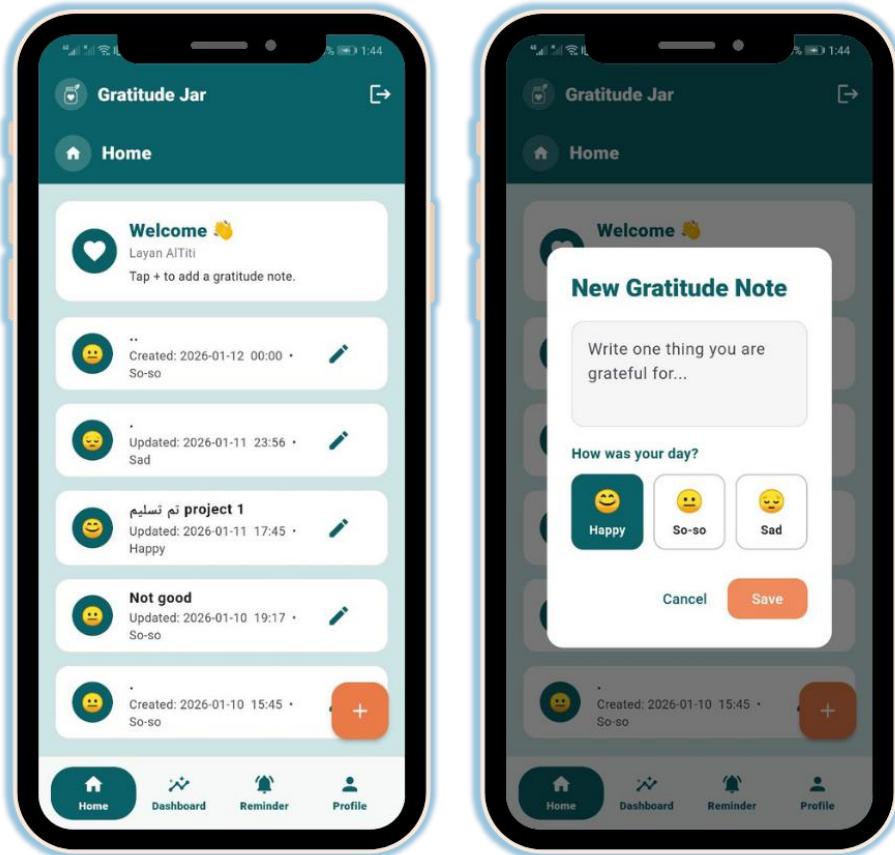


Figure 2 - Home Page

2.3 Dashboard

- The dashboard section provides a summary of the user's activity over the last seven days. It displays key insights such as the total number of notes, the most frequent mood, and the best and worst days of the week. This overview helps users understand their emotional patterns and overall progress in a clear and visual way.

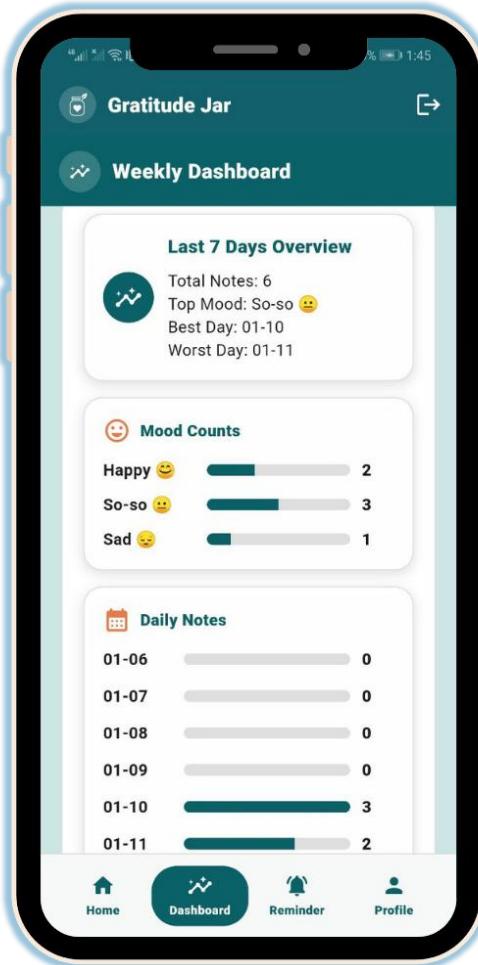


Figure 3 - Dashboard

2.4 Positive Reminder

- This feature allows users to schedule a daily positive motivational message at a selected time. Users can customize the reminder by choosing the notification time, tone, and sound according to their preference. The reminder is delivered using local notifications, helping users maintain positivity, consistency, and emotional well-being throughout their daily routine.

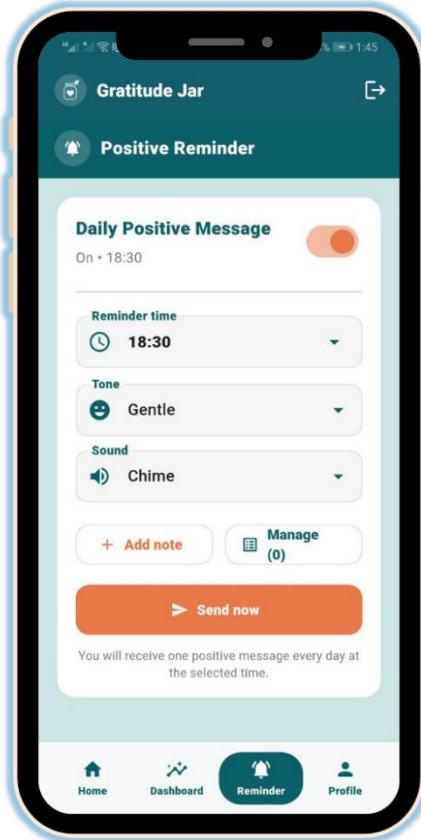


Figure 4 - Positive Reminder

2.5 Profile

- The profile screen allows users to view and manage their personal account information. Users can update their full name, view their registered email address, and change their account password. All profile data is securely managed using Firebase Authentication and Firestore to ensure data consistency and privacy.

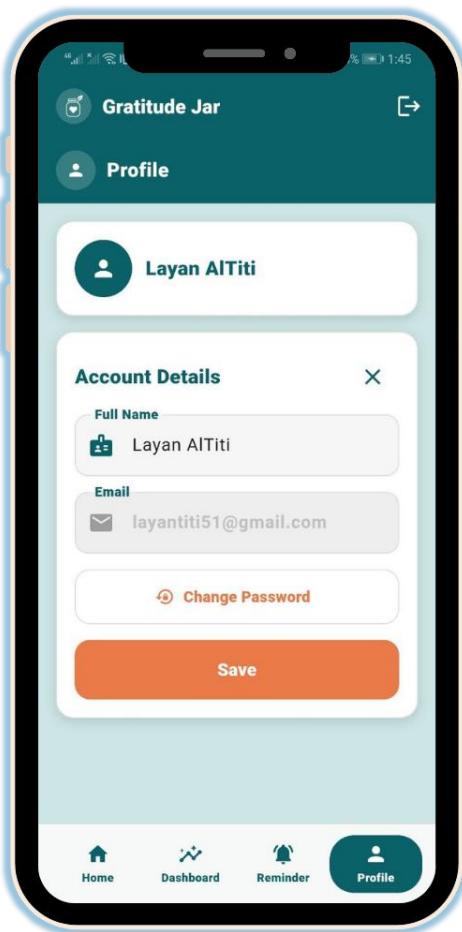


Figure 5 - Profile

2.6 Log Out

- The log out feature allows users to securely exit the application. A confirmation dialog is displayed to prevent accidental logout actions. Once confirmed, the user session is terminated using Firebase Authentication, ensuring account security and privacy.

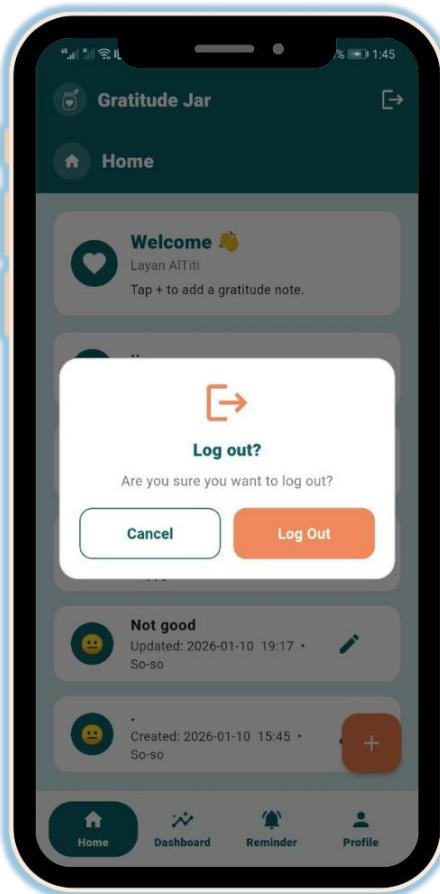


Figure 6 - Log Out