



# FeelFree

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# WHAT IS OUR APP

A **mental health** app :

- Provides simple **self-assessments** through multiple-choice questions.
- Shows the **assessment results** with suggestions.
- All designed to support user's mental well-being.



# TARGET AUDIENCE

People who:

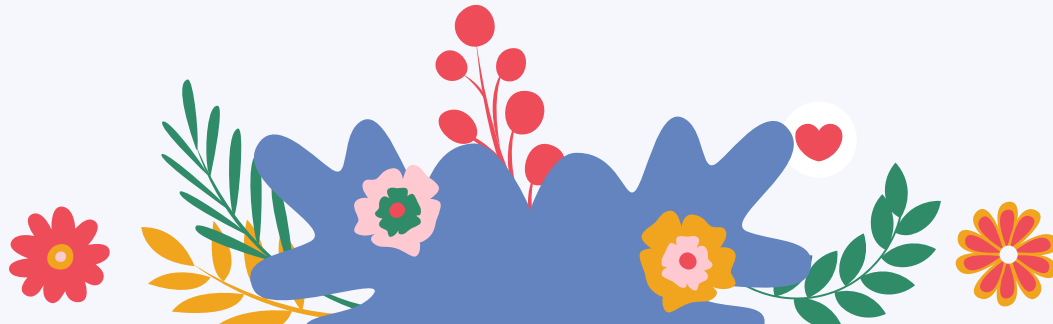
- Seeking to improve their **mental health**
- Interested in **self-assessment**
- Would benefit from a **supportive community** that shares resources and experiences related to mental health.



A decorative border at the top of the slide featuring a central blue abstract shape, surrounded by various colorful flowers (pink, yellow, white, red) and green leaves. To the left of the main title are two yellow smiley face emojis, and to the right is a white circle containing a red heart emoji.

# GitHub Link

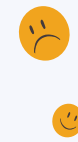
- [https://github.com/jhan125/CS5520FinalProject\\_Group6](https://github.com/jhan125/CS5520FinalProject_Group6)





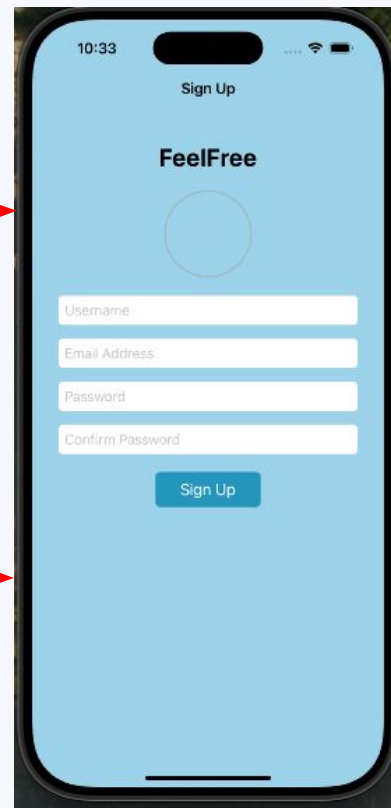
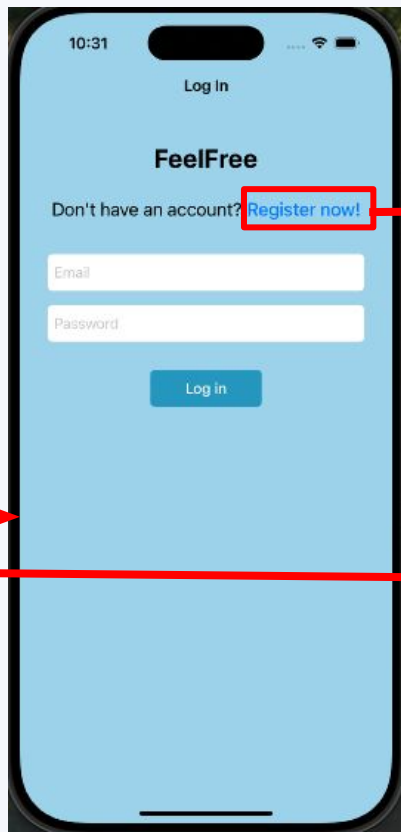
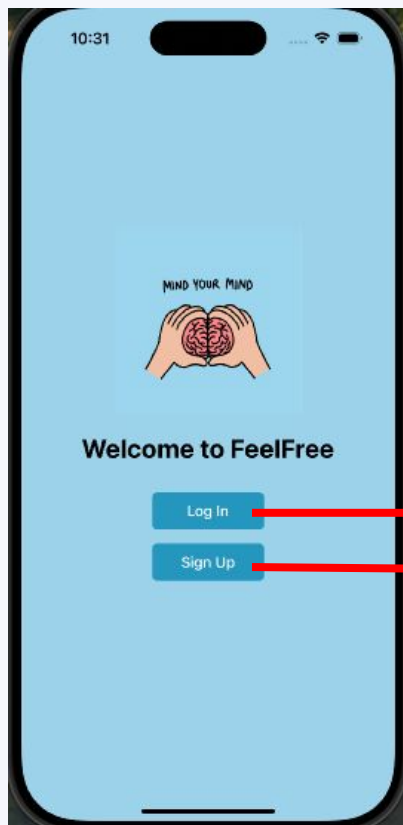
# LANDING PAGE + LOGIN & SIGN UP



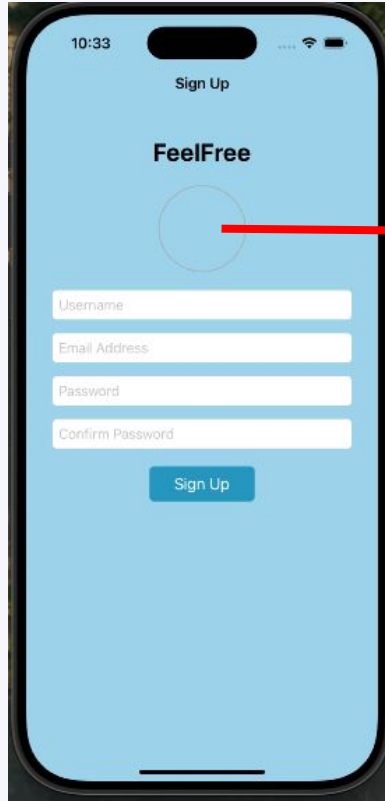
- Starting from the **LANDING PAGE**, the user is able to **sign up** for a new account or **log in**.
  - The “Log In” button directs to the **LOGIN PAGE**.
  - The “Sign Up” button directs to the **SIGNUP PAGE** asking user to fill out all valid input fields on **user information** (Username, Email, Password, Confirm Password and Avatar) .
  - After successfully signing up, the “Go to Login” button would direct the user to the **LOGIN PAGE**.
  - After successfully logging in, user will be directed to **PROFILE PAGE**.
  - For **alert notices**, please check the simulator screenshots.
- 



# LANDING PAGE → LOGIN / SIGN UP

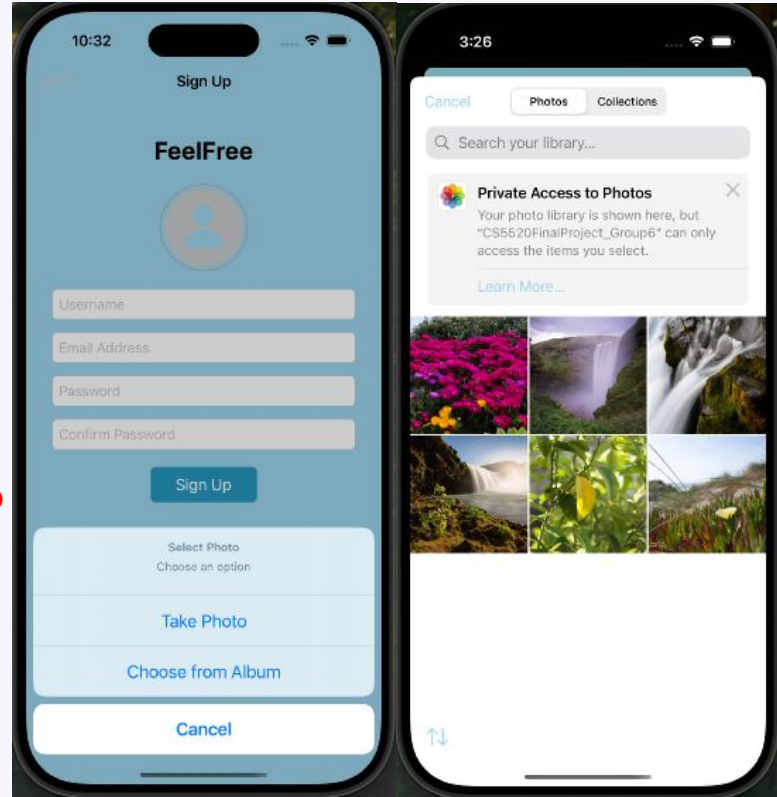


# SIGN UP PAGE → Add Profile Picture

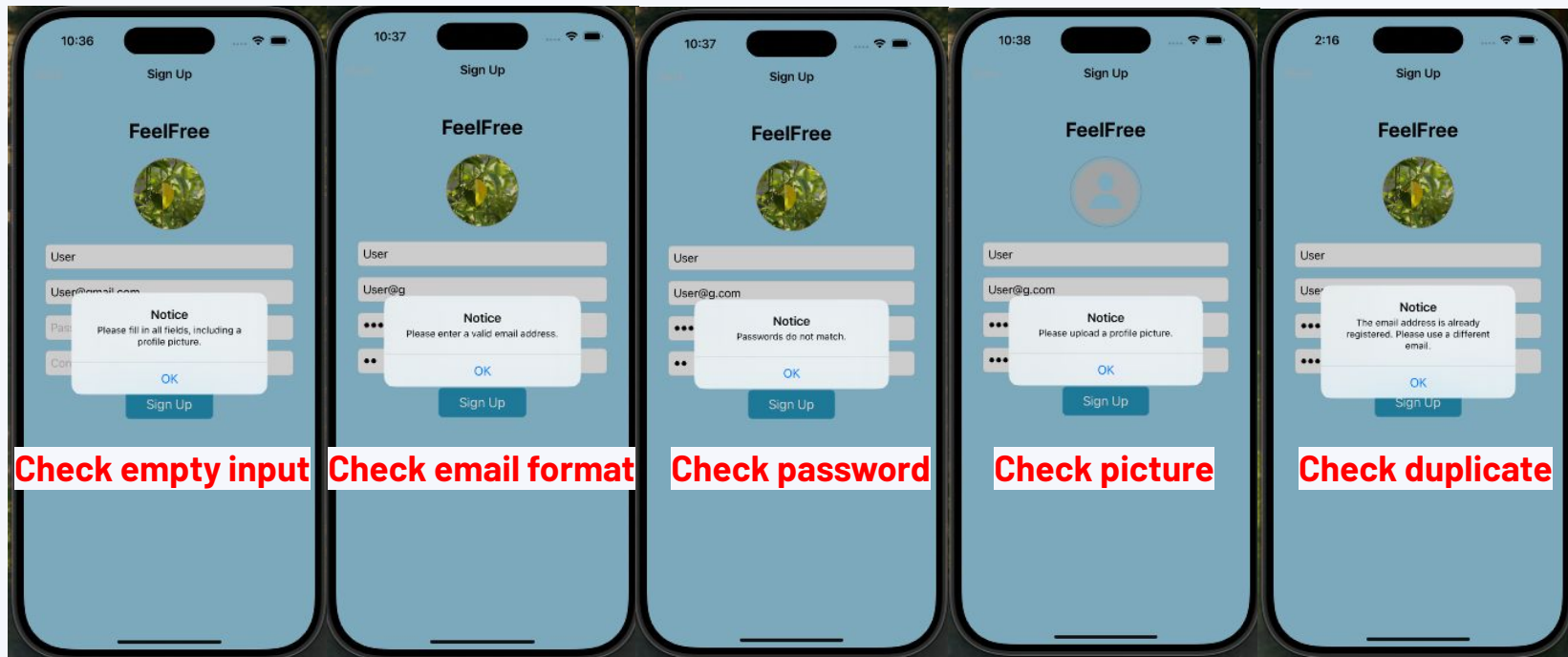


**Click the circle field  
will allow user to:**

- 1. access the camera  
to take a new photo**
- 2. access photo roll to  
select an existing  
image**



# SIGN UP PAGE → Input Check Notices



Check empty input

Check email format

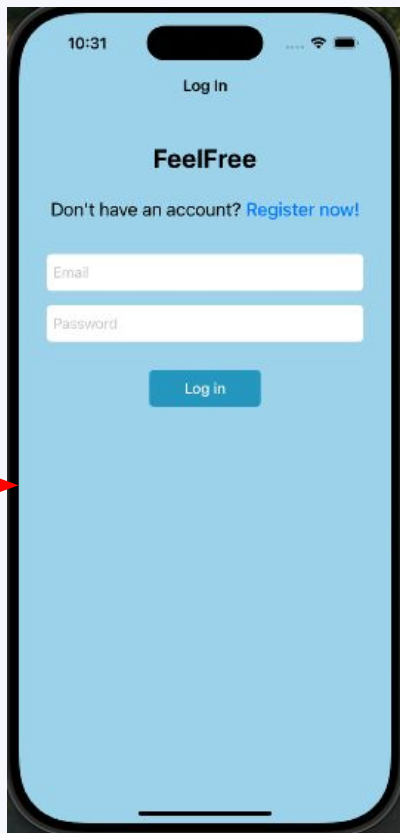
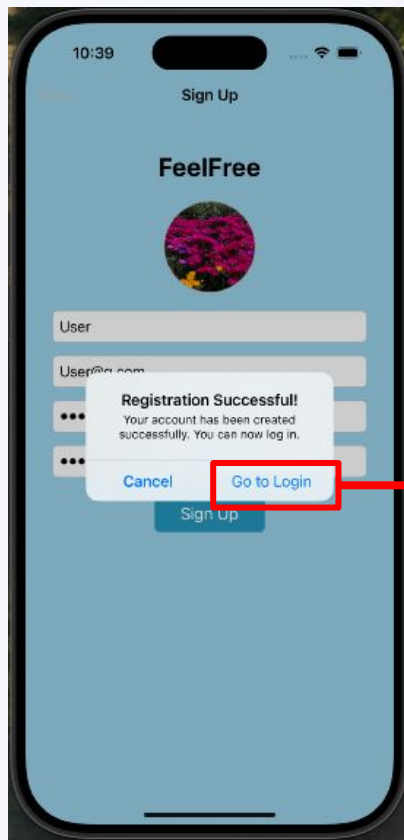
Check password

Check picture

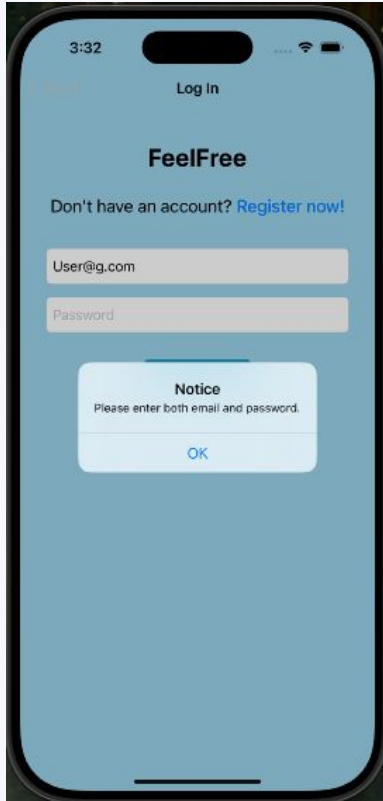
Check duplicate



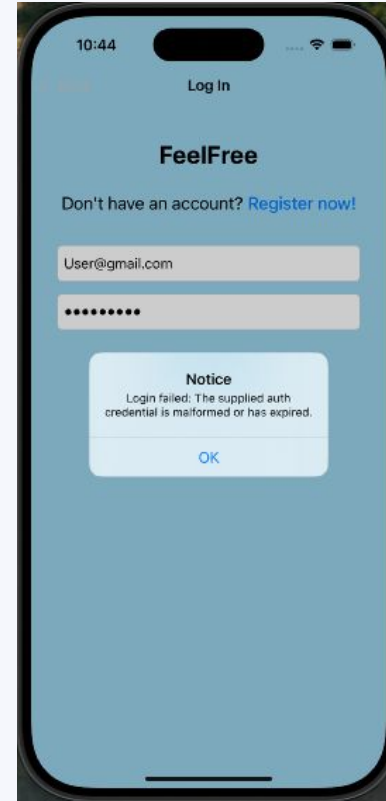
# SIGN UP PAGE → Success Notice



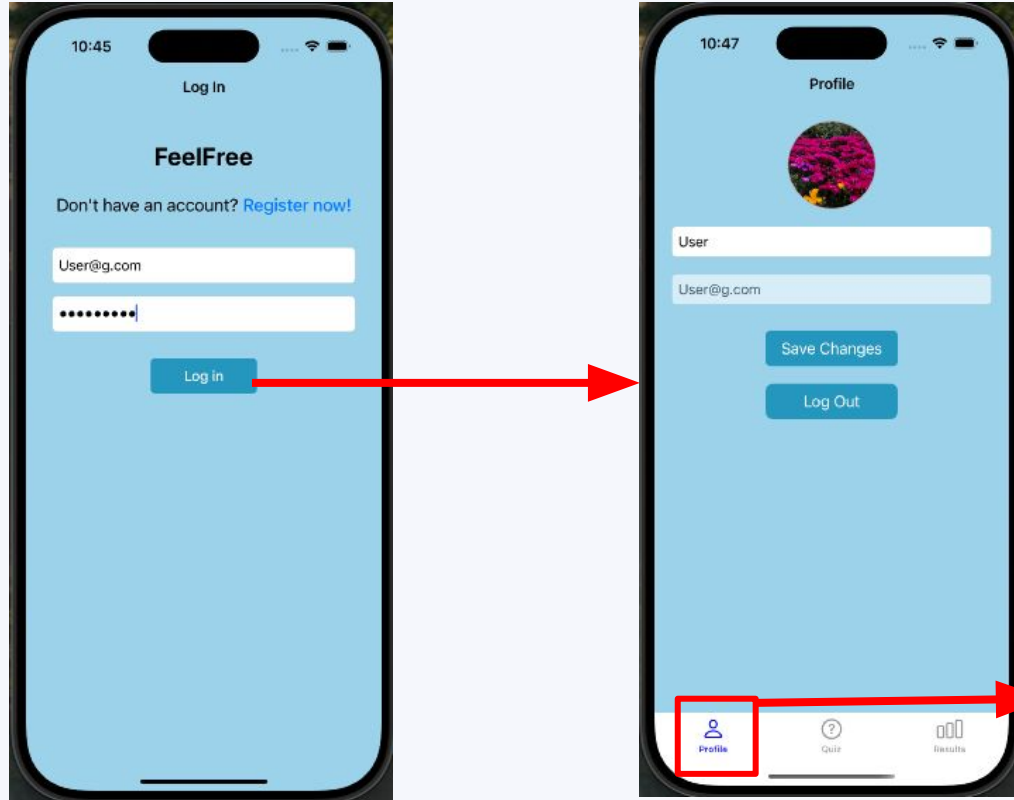
# LOGIN PAGE → Failed Notice



- When user does not fill in both fields
- When user puts email that is not registered
- When user's email and password does not match



# LOGIN PAGE → PROFILE PAGE



**In future cases,  
this tab can navigate  
back to PROFILE PAGE  
for user to update user  
info or log out.**



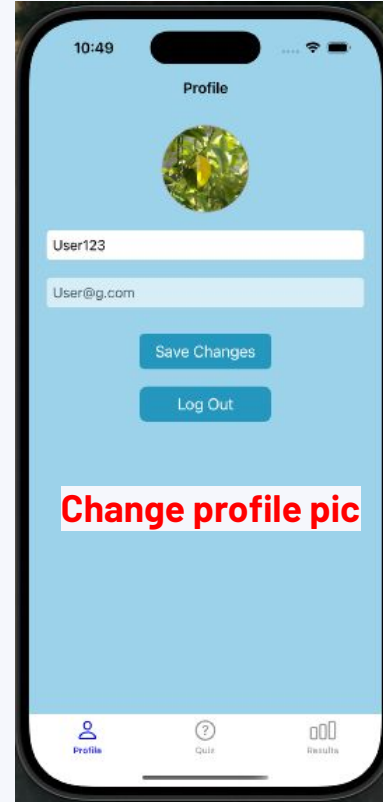
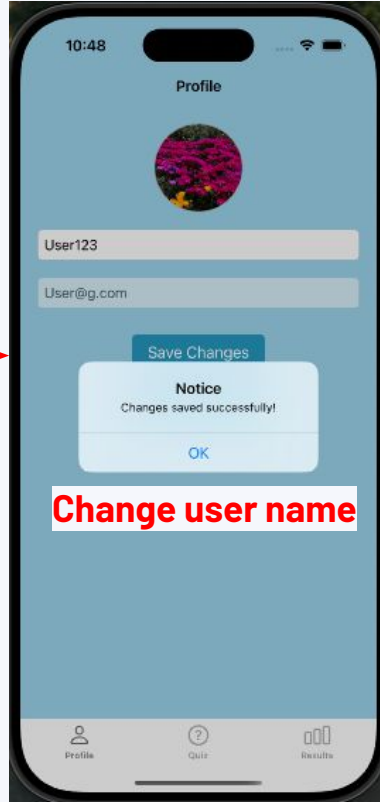
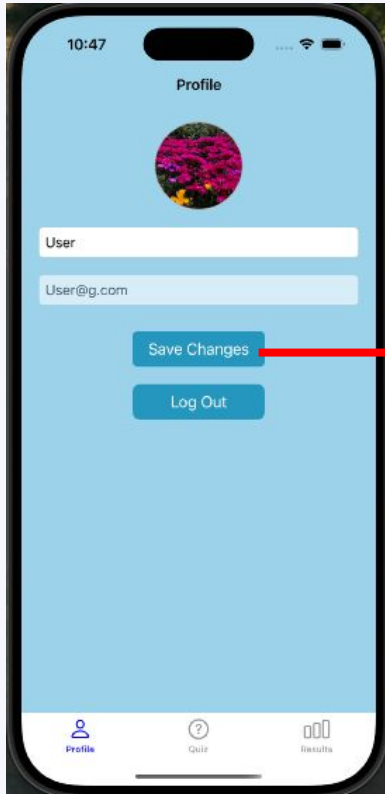
# PROFILE



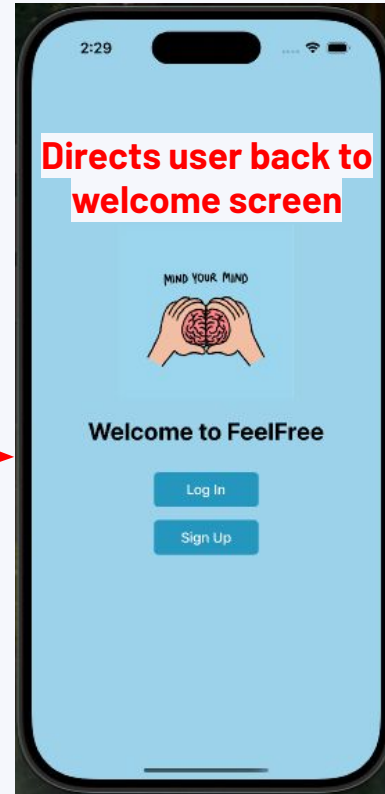
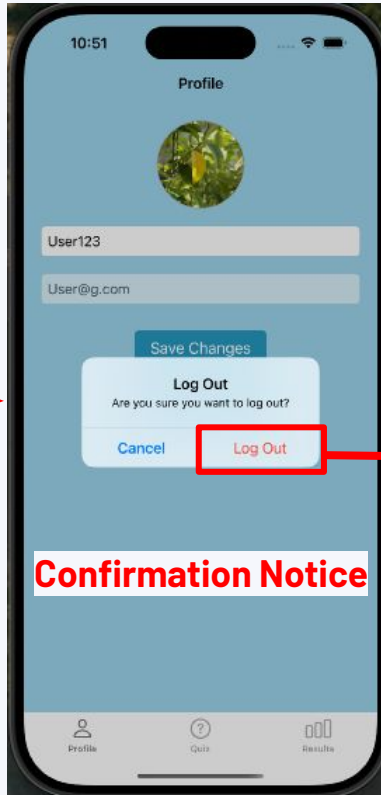
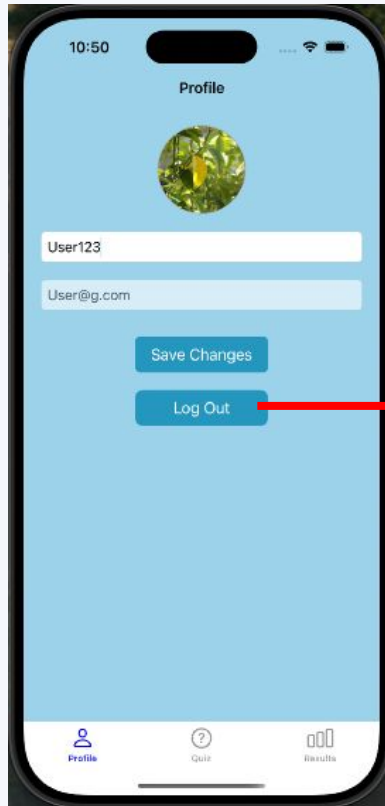
- **PROFILE PAGE** can be accessed via the “Profile” tab at the bottom navigation bar.
- User can tap the “**Save Changes**” button to update their info after editing.
  - Username and profile pic can be edited, but the email cannot be modified.
- User can tap “**Log Out**” button to securely log out of the app.



# PROFILE PAGE → Change user profile




# PROFILE PAGE → Log out

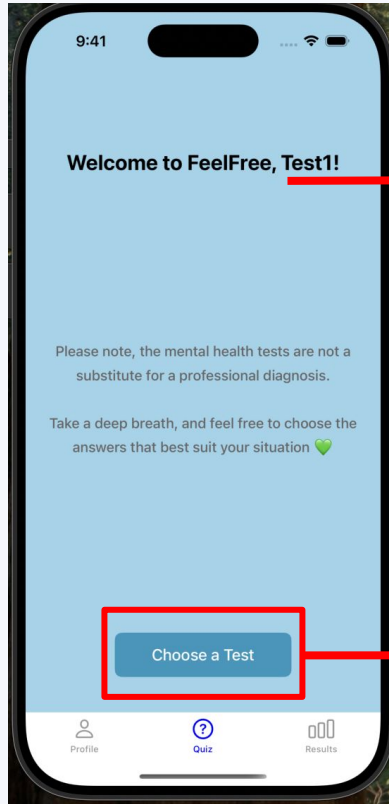




# QUIZ PAGE + QUESTIONS & RESULTS

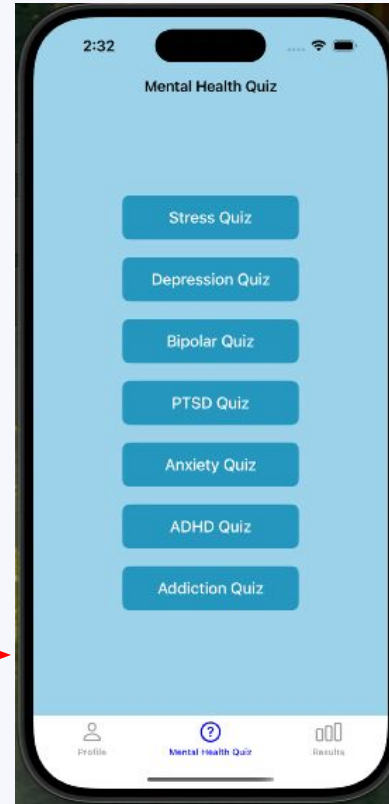
- **QUIZ PAGE** can be accessed via the “Quiz” tab at the bottom navigation bar.
  - Users will see the disclaimer page that promotes responsible use of mental health assessments.
  - Users can then click “Choose the test” button to choose from 7 various mental health quizzes.
  - On the **question page**, user can read the question then choose the best option from 5 multiple options that suits his/her situation.
  - After choosing the question, user can click **"Next Question"** button to save their answer and go to the next question.
  - For **alert notices**, please check the simulator screenshots.
- 

# QUIZ PAGE → Display Disclaimer



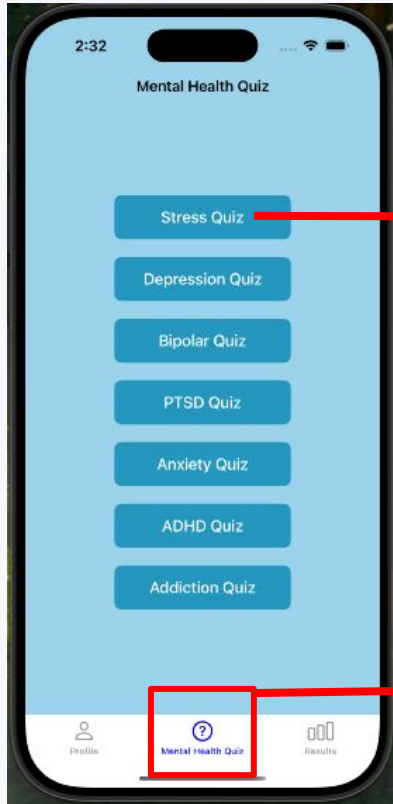
**Dynamically displays user's name.**

**Click to choose from 7 quizzes.**

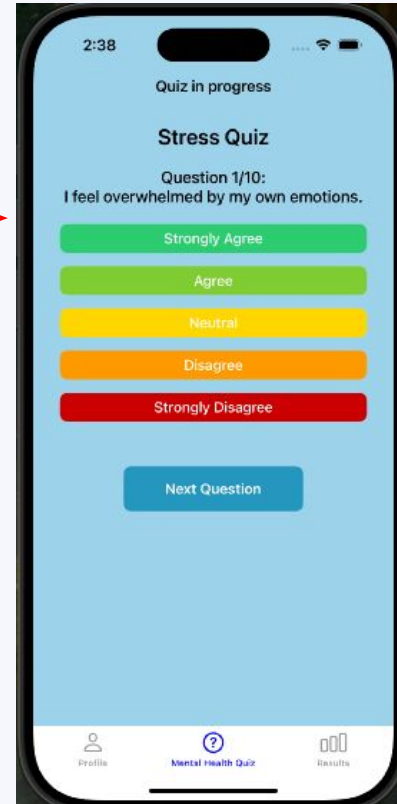




# QUIZ PAGE → Choose quiz type



**Choose a quiz to  
start the questions**



**In future cases,  
this tab can navigate  
back to QUIZ PAGE for  
user to do other quiz.**

# QUESTION PAGE → Choose answer

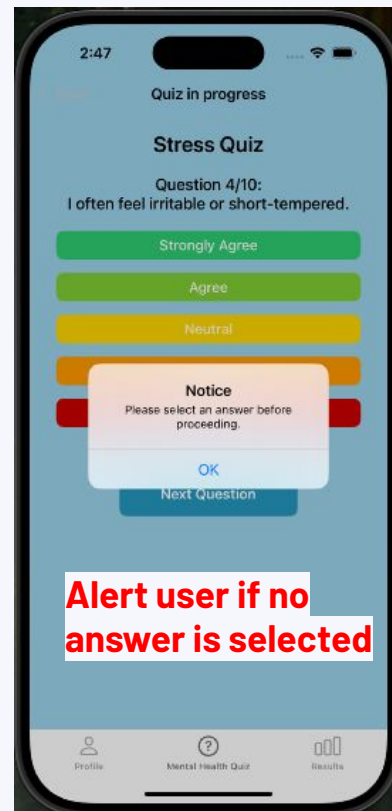
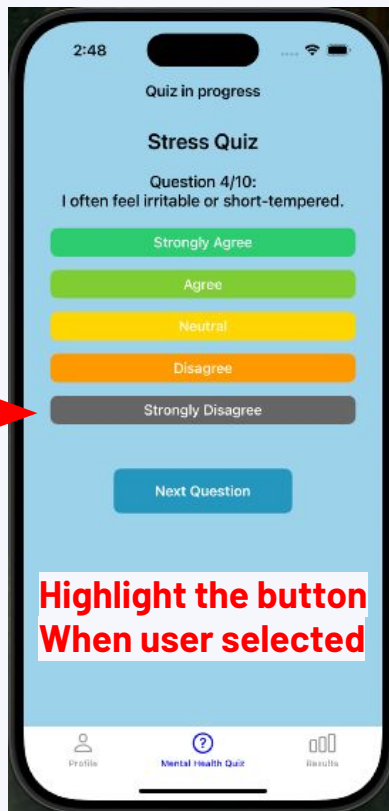
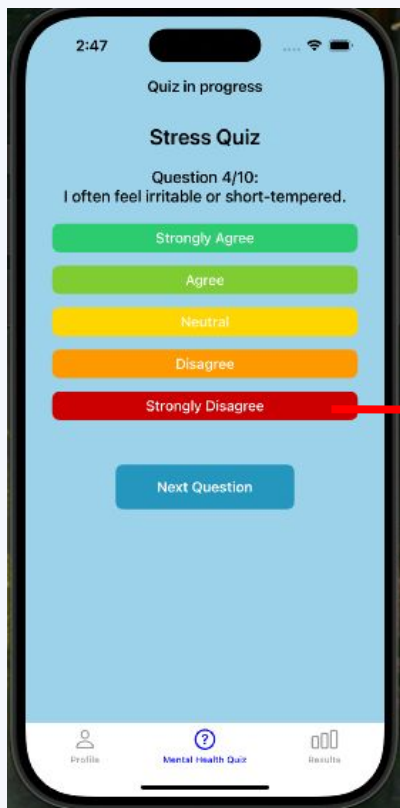


**Indicate progress in a quiz.**

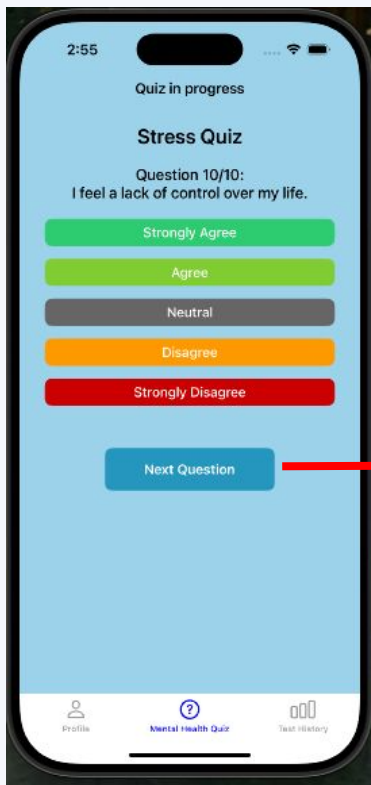
**Each button has unique background color for better visual recognition.**

**Directs to next question.**

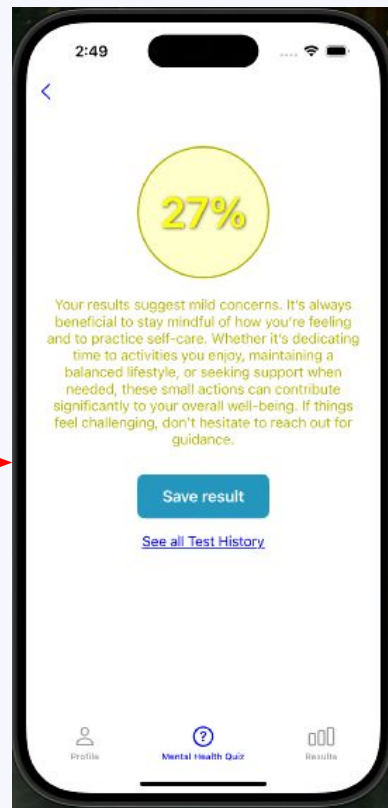
# QUESTION PAGE → Highlight & Notice



# QUESTION PAGE → RESULT PAGE

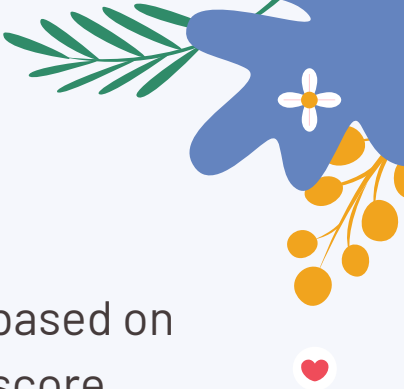


**After user finishes last question,  
screen leads to result page.**





# RESULT PAGE

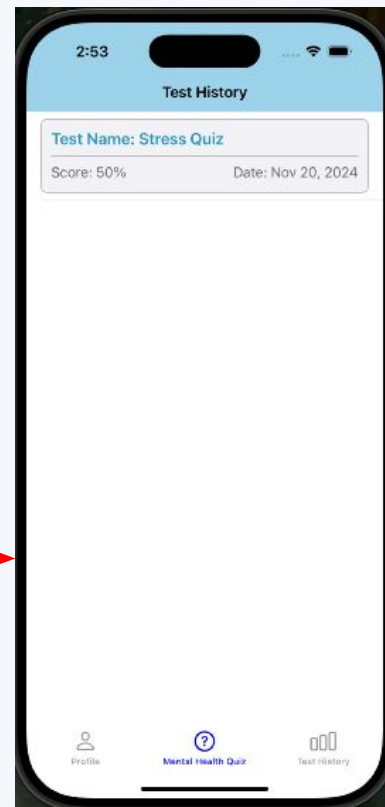
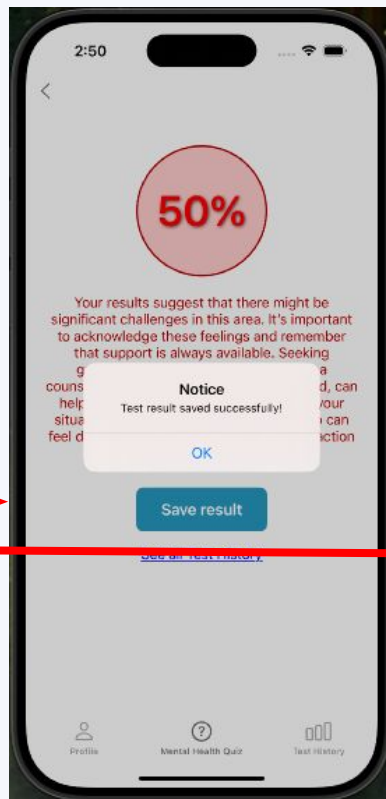
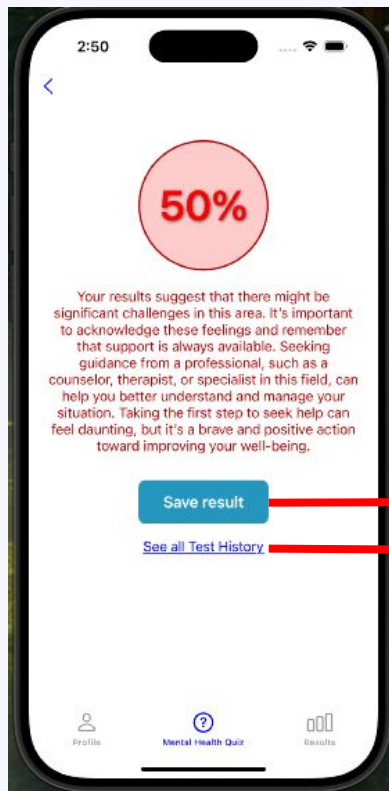
- Quiz score is calculated and displayed with **different colors** based on the score range. A piece of **guidance** is displayed below the score based on the result.
  - Click "**Save result**" button will save the result in database.
  - After user saves the result, there are 2 ways to view the test history displayed on the **TEST HISTORY PAGE**:
    - Click "**See all test history**" button.
    - Click "**Test History**" tab on the bottom bar.
- 



# RESULT PAGE → View results

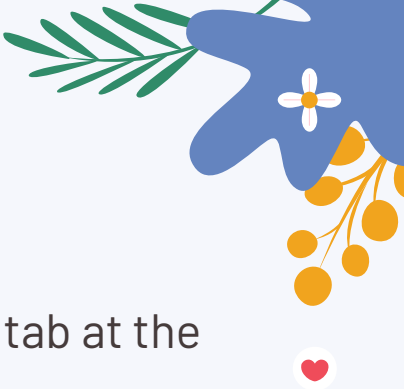


# RESULT PAGE → Save results





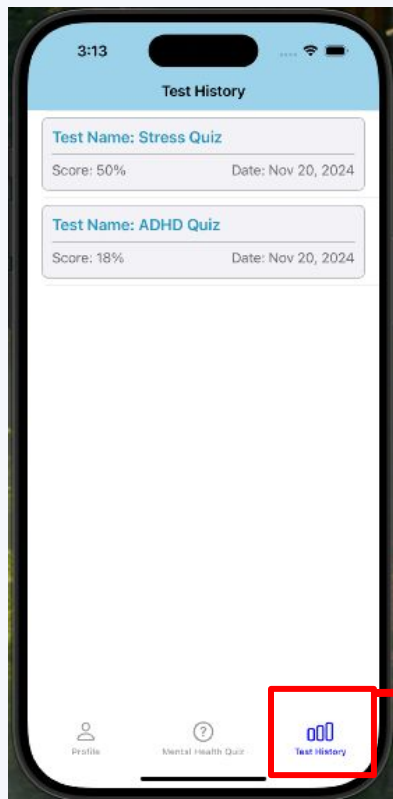
# TEST HISTORY PAGE

- **TEST HISTORY PAGE** can be accessed via the “Test History” tab at the bottom navigation bar.
  - This page shows a list of completed tests with their **test name**, **score**, and **date**.
  - Tapping on a test opens the **RESULT PAGE**.
  - Users can **view more details** of each test result.
  - User can swipe the cell to **delete** that test result.
  - **Alert notice** is presented for user to confirm the delete action. Once confirmed, the test record will be removed from Firestore database.
- 



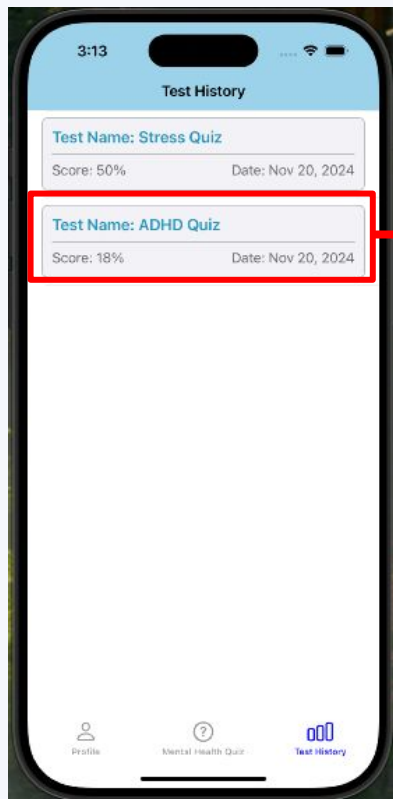


# TEST HISTORY PAGE

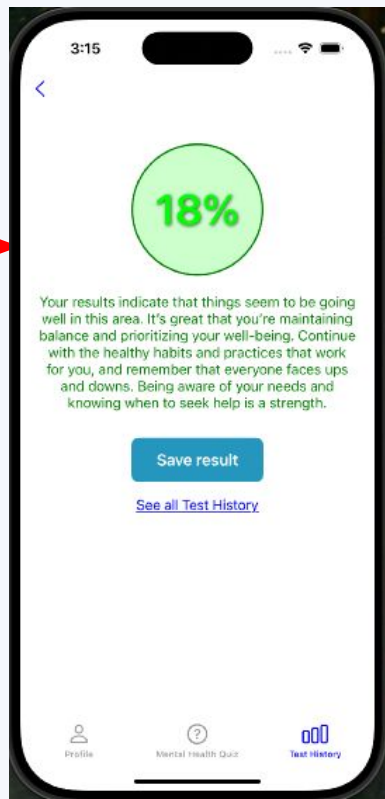


**In future cases,  
this tab can navigate  
back to TEST HISTORY  
PAGE for user to check  
previous test records.**

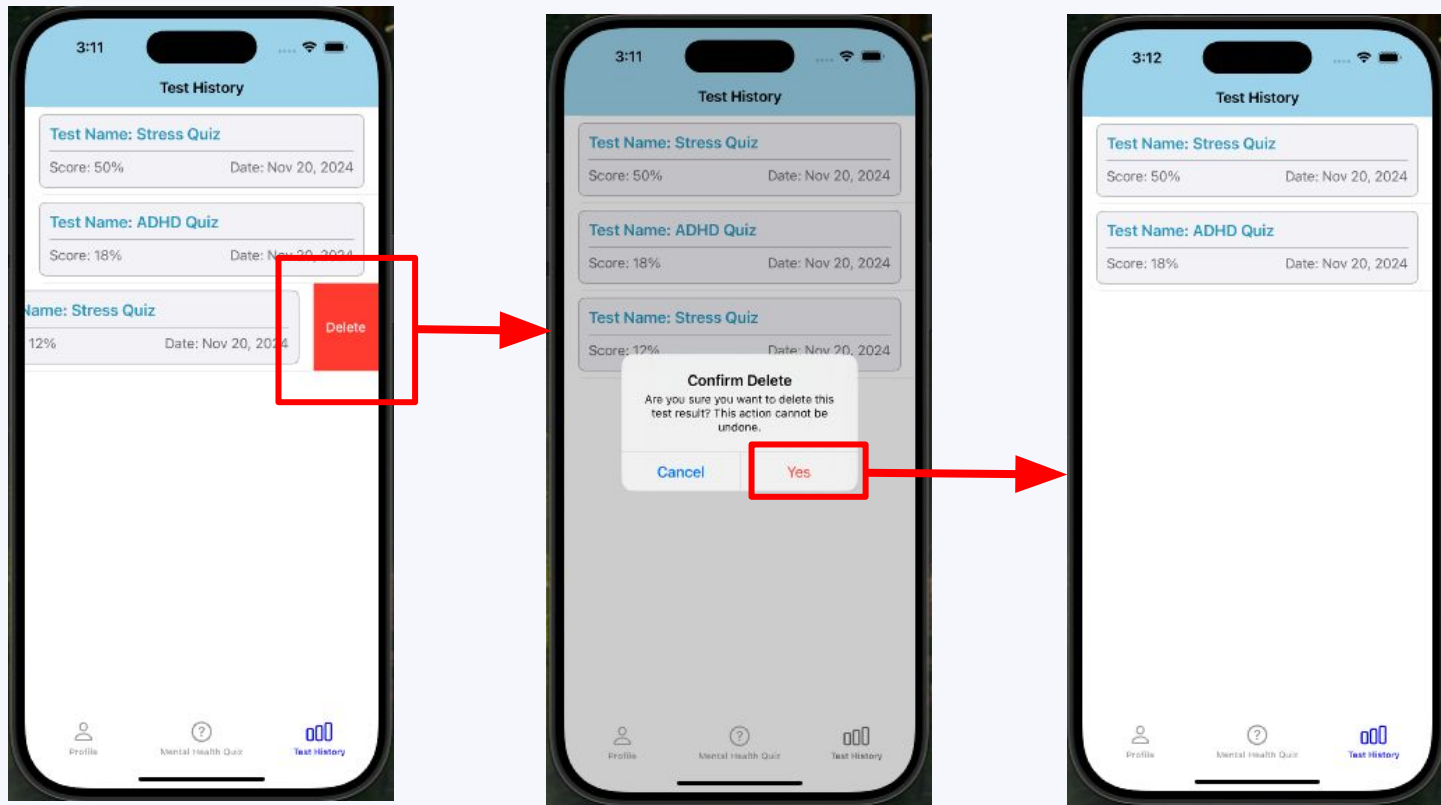
# TEST HISTORY PAGE → history & detail



**Users can tap this cell to view more details of this test result.**



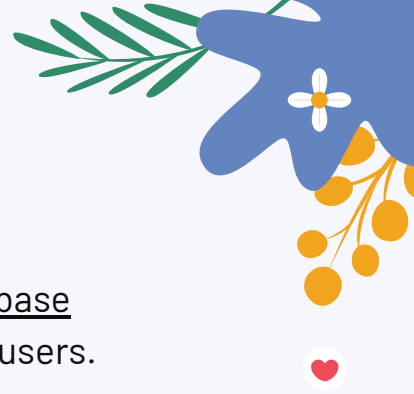
# TEST HISTORY PAGE → Delete & Confirm





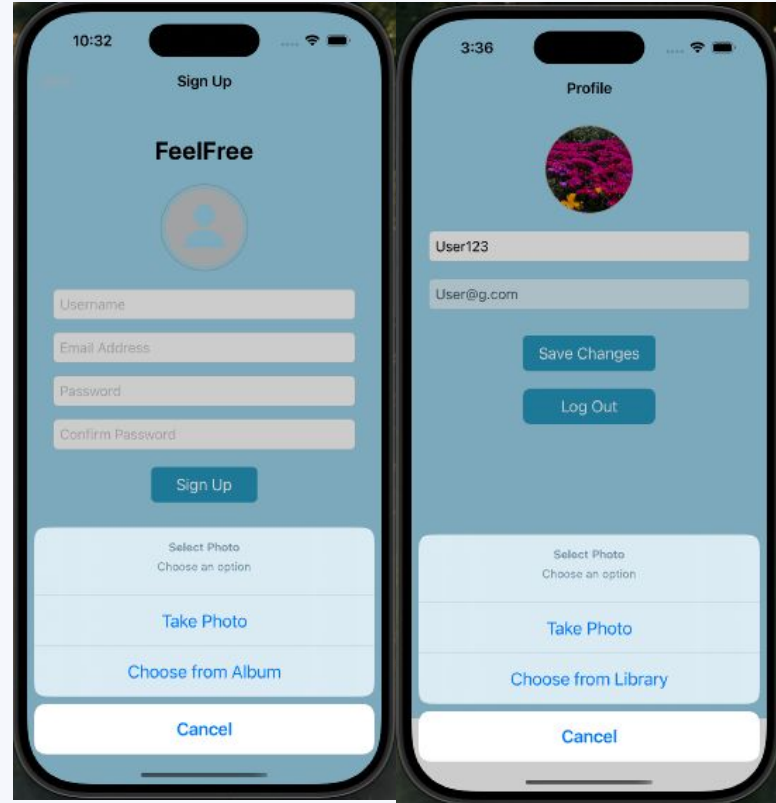
# BACKEND

- **User Authentication:** We implemented user authentication using Google Firebase Authentication, ensuring secure and easy login and account management for users.
- **Database:** We utilized Firebase Realtime Database as our primary database to store and manage user-related data, including test records, usernames, email addresses, and profile photos. This ensures real-time updates and secure data handling for user profiles and mental health assessments.
- **Mental Health Assessments:** To store and manage users' mental health assessment data securely, we integrated Google Cloud Firestore for scalable and real-time data handling. Additionally, we used Firebase Cloud Functions to process assessment results, while ensuring data privacy and security.



# SENSOR

The app will allow users to upload or update a profile picture by providing **access to the camera** for taking a new photo and the **access to photo roll** for selecting an existing image.





# Concluding Remarks



**10/15 - 10/25**

Implement User Log in and Sign up

**01**

**02**

**10/25-11/3**

Implement User Profile Setup

**11/4 - 11/15**

Implement Assessment and Test result

**03**

**04**

**11/15 - 11/21**

Refinement, Testing, Presentation





Thanks!

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