

FLORIDA INTERNATIONAL UNIVERSITY



Capstone Project Final Presentation Spring 2023

Apple Watch Weight App

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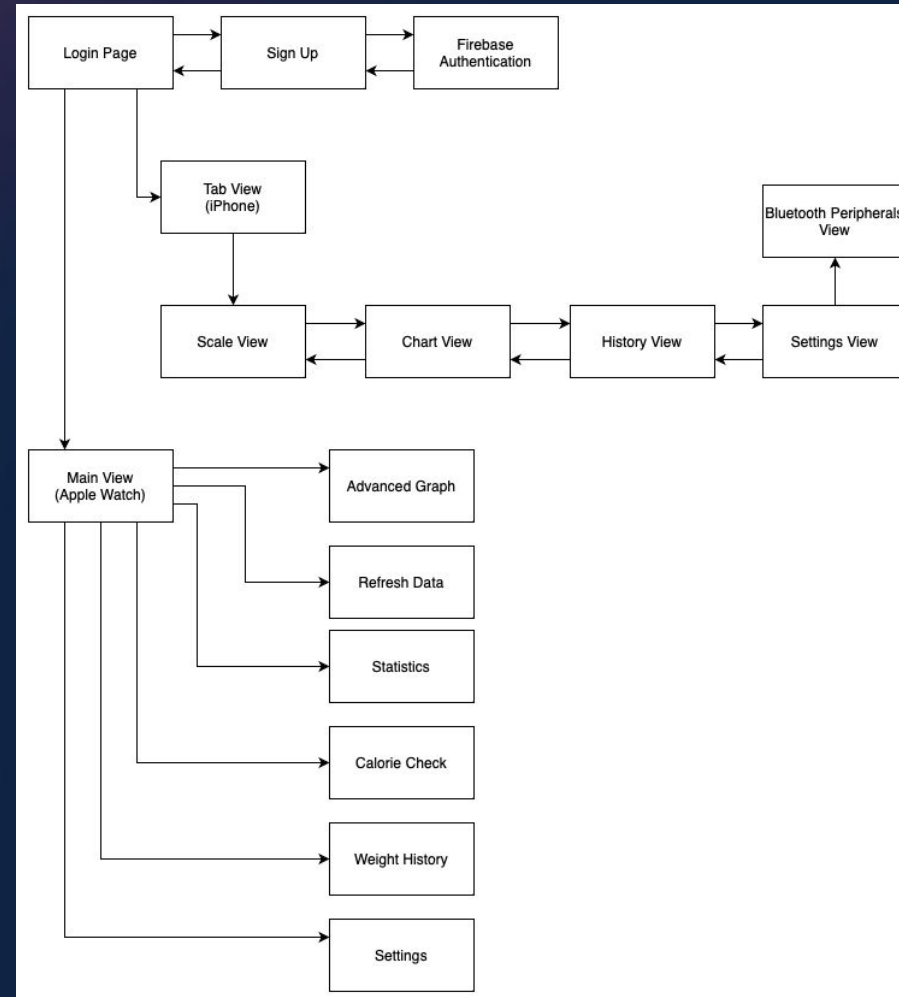


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Weight App

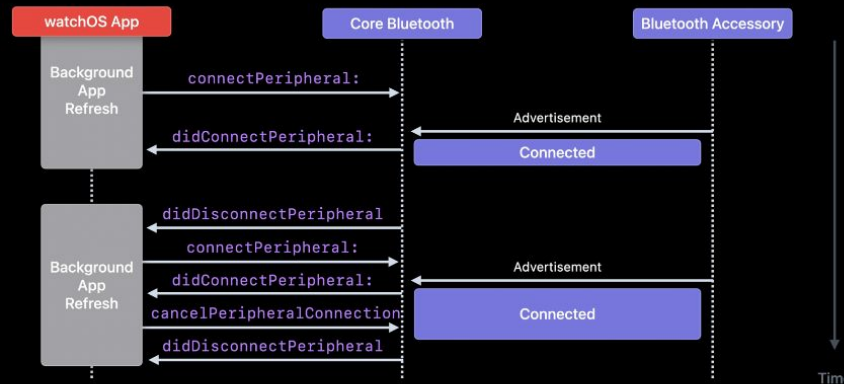
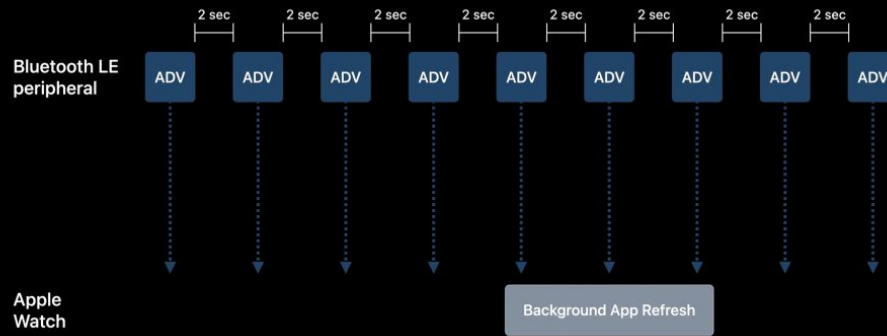
The objective of this software is to utilize a pressure-sensitive pad installed inside the user's shoe for monitoring their weight variations during the day. The recorded data would be viewable on an Apple Watch and an iOS application and can be checked automatically at predetermined intervals or manually by pressing a button.

System Design

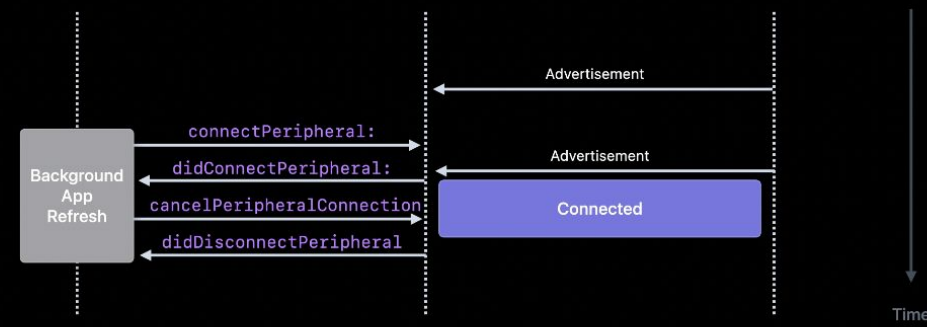
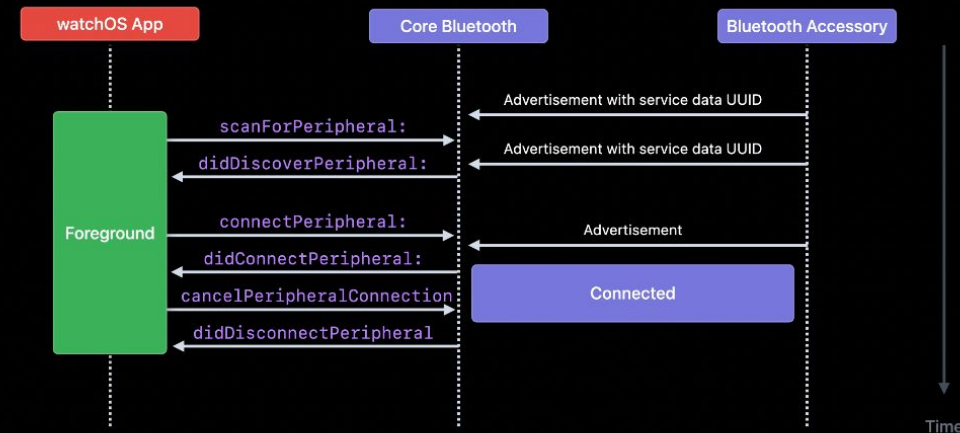


Object Design

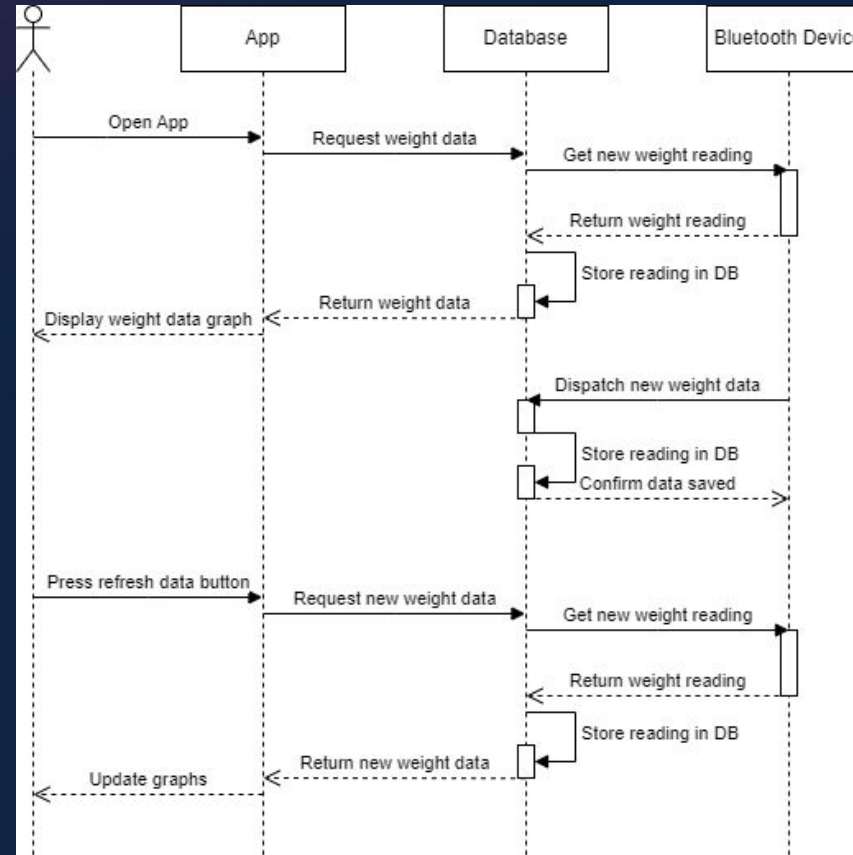
Advertise and connect



Discovery of remote accessory



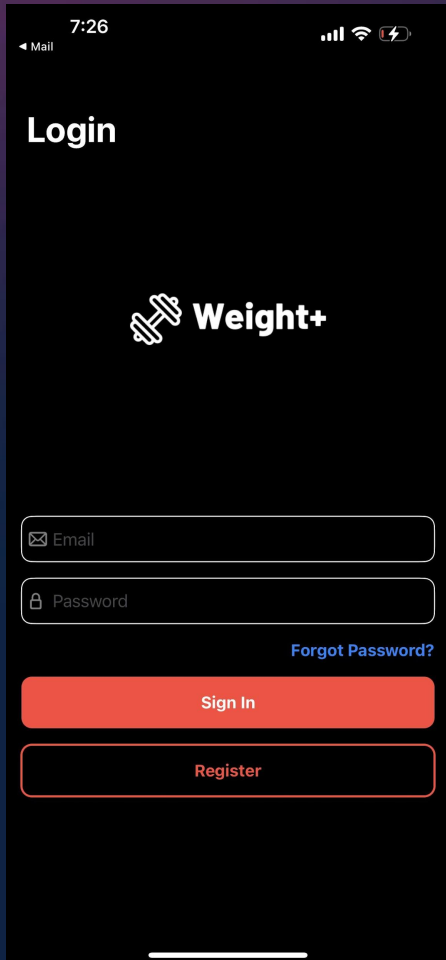
Implementation



Authentication

You can fill in the text boxes provided with your email address, username, password, age, and weight. The program will verify that the password meets the current minimum character requirement of 12. It will also verify whether the user is already registered in the system. Once validated, the program will then proceed to store the user's details in the Firebase database.

Authentication Views



7:26

Mail

Login

 **Weight+**

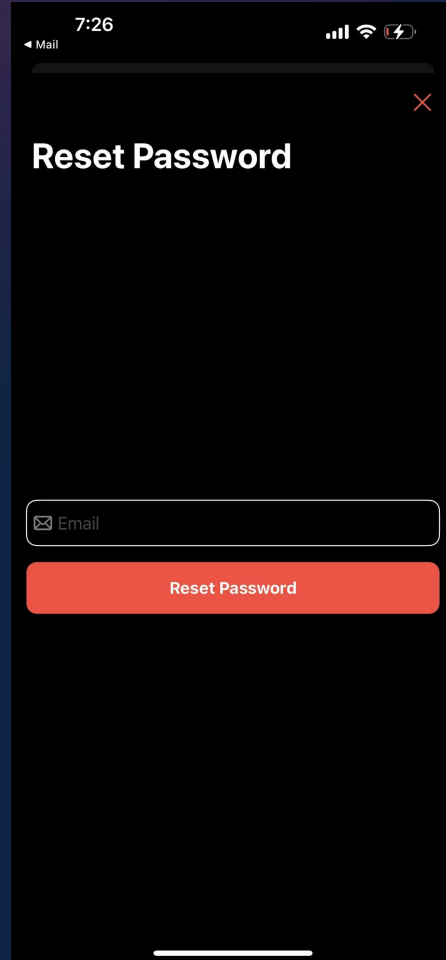
Email

Password

[Forgot Password?](#)

Sign In

Register



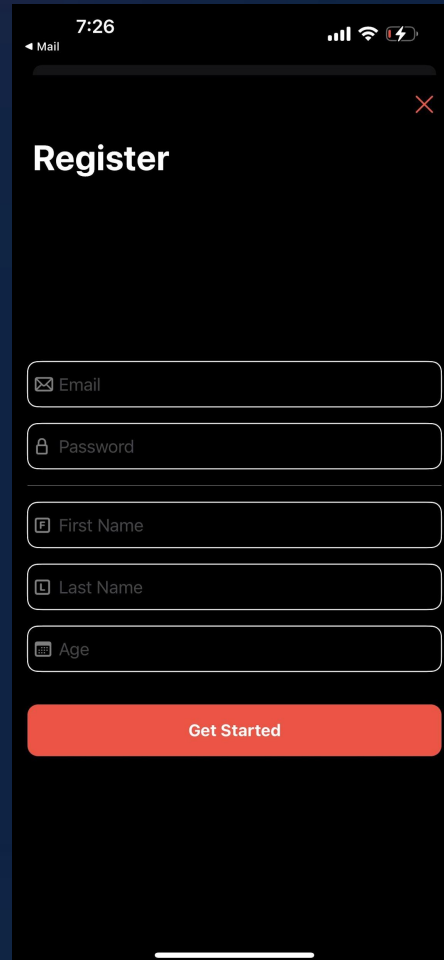
7:26

Mail

Reset Password

Email

Reset Password



7:26

Mail

Register

Email

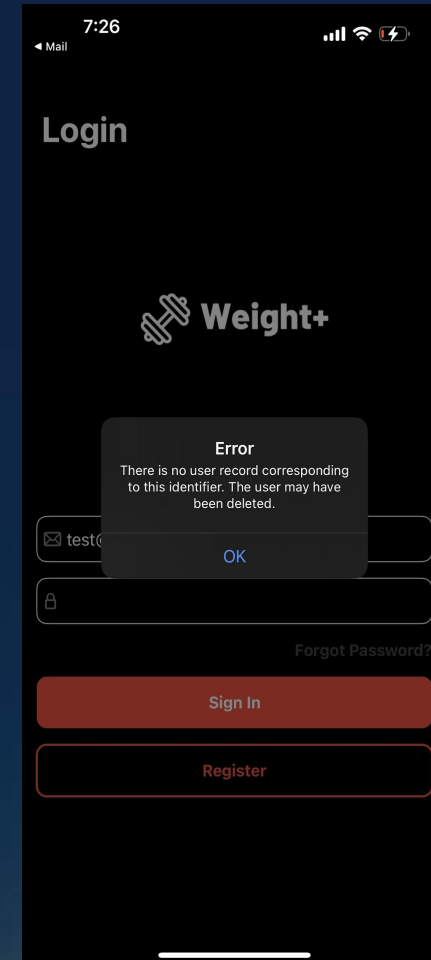
Password

First Name

Last Name

Age

Get Started



7:26

Mail

Login

 **Weight+**

Error
There is no user record corresponding to this identifier. The user may have been deleted.

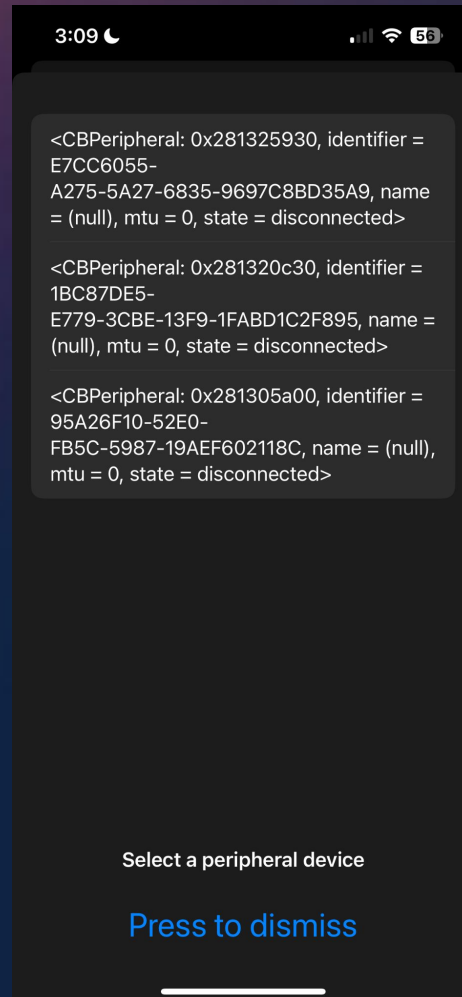
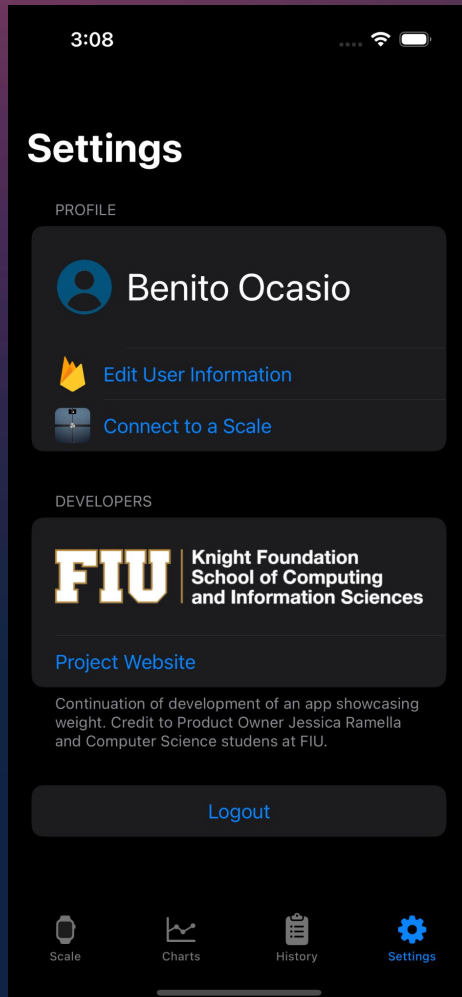
test@

Password

[Forgot Password?](#)

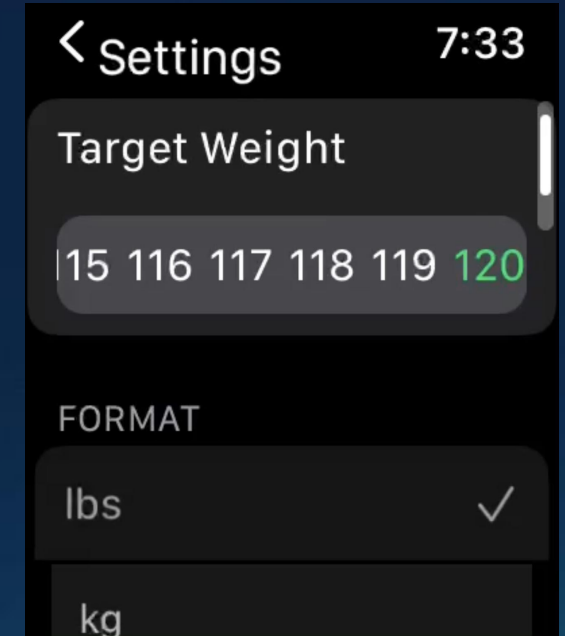
Sign In

Register

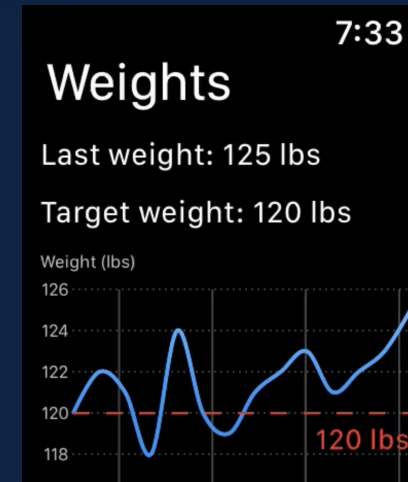
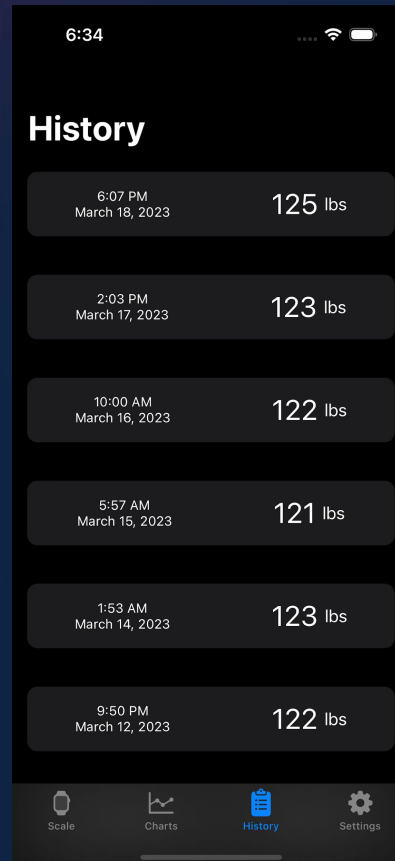
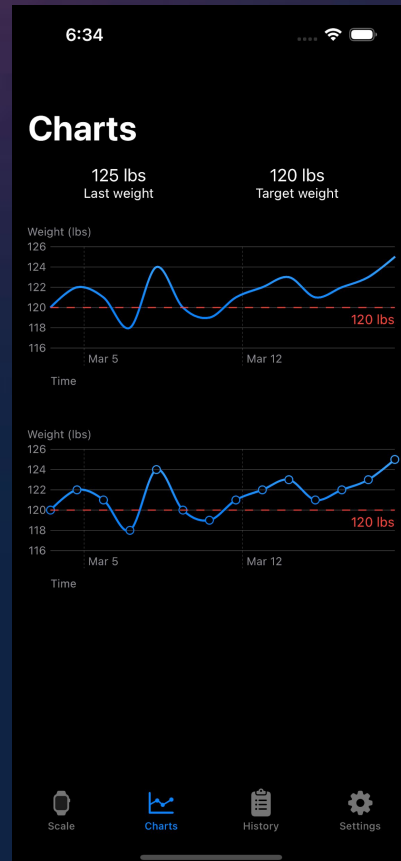
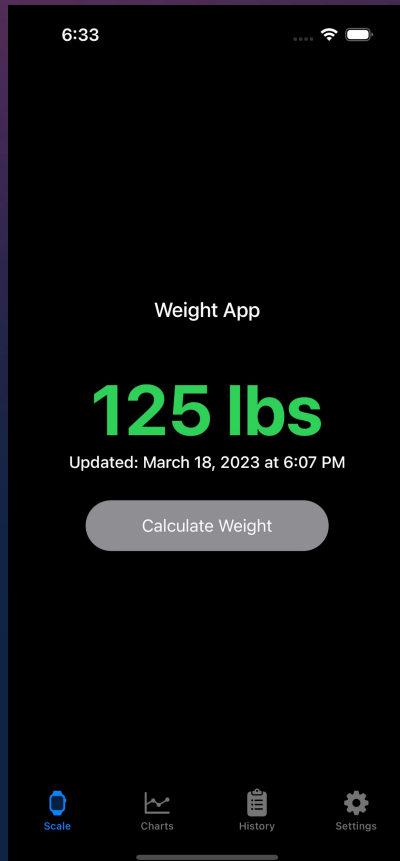


Settings

The settings, allows users to update user information, connect to the product, and customize how they'd like to see information displayed.



Information Display

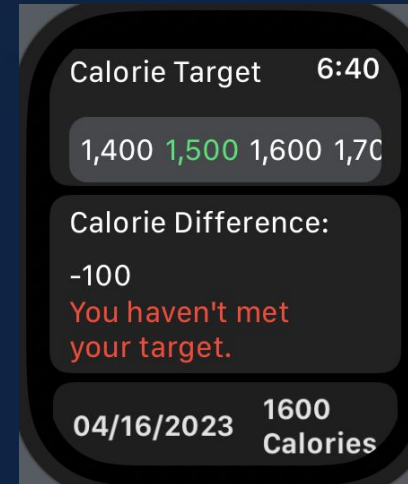


Allows users to see their weight information in a variety of different ways.

Additional Features



A user in the Statistics page can be presented with two percentages/descriptions based on the graph data.



A user in the Calorie page can compare their target with their calorie intake for the day.

Future Plans

1. To ensure seamless authentication via Google Firebase, it is crucial to complete the finalization process and eliminate any errors that may arise during the process.
2. Implementation connections between Firebase, Azure, and the application is essential. This will ensure smooth and uninterrupted data flow between these platforms.
3. The implementation of real data with the Bluetooth device is a critical step in making the application fully functional. This will enable users to receive accurate and up-to-date information about their weight.



Thank you



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