

Capstone Project Final Presentation

Fall 2022

Weight App

Capstone II: Ilan Boiangin, Ernesto Alva, Antonella Avogadro Amadei, Daniel Carlson, David Lara-Perez

Capstone I: Karla Gonzalez, Nicholas Garcia, Percy Gomez Torres, Edward Briscoe, Gustavo Hurtado, Jonathan Rivero, George Marrero, Jem Alvarez

Project Owner: Jessica Ramella

Professor: Masoud Sadjadi

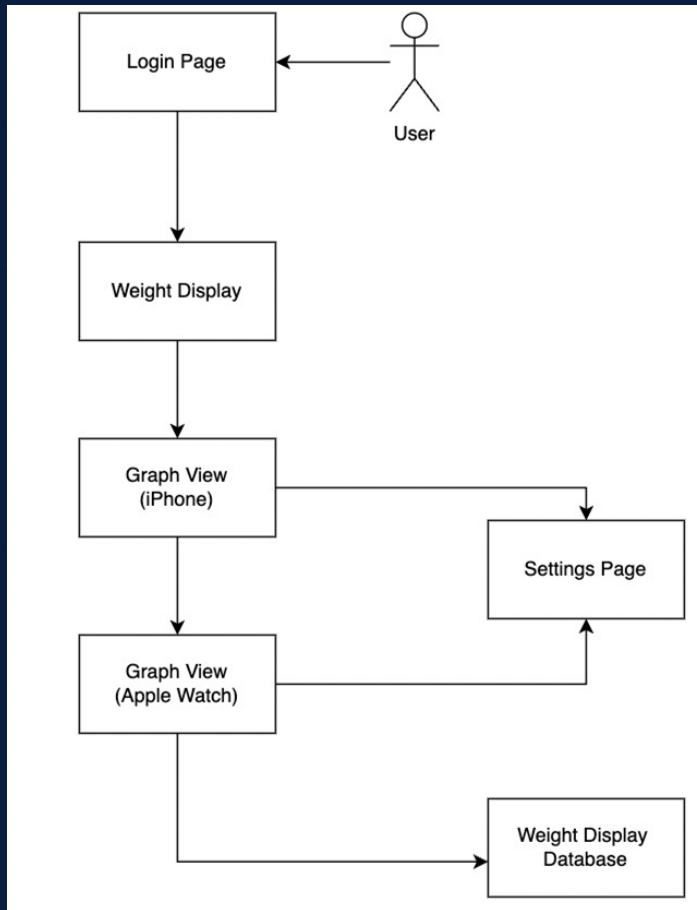


Weight App

The goal of this application is to use a pressure plate inside of the users shoe to help detect their weight throughout the day. This information would be displayed on an apple watch as well as an iOS app and can check the weight of the user every at a specified time or manually by pressing a button.



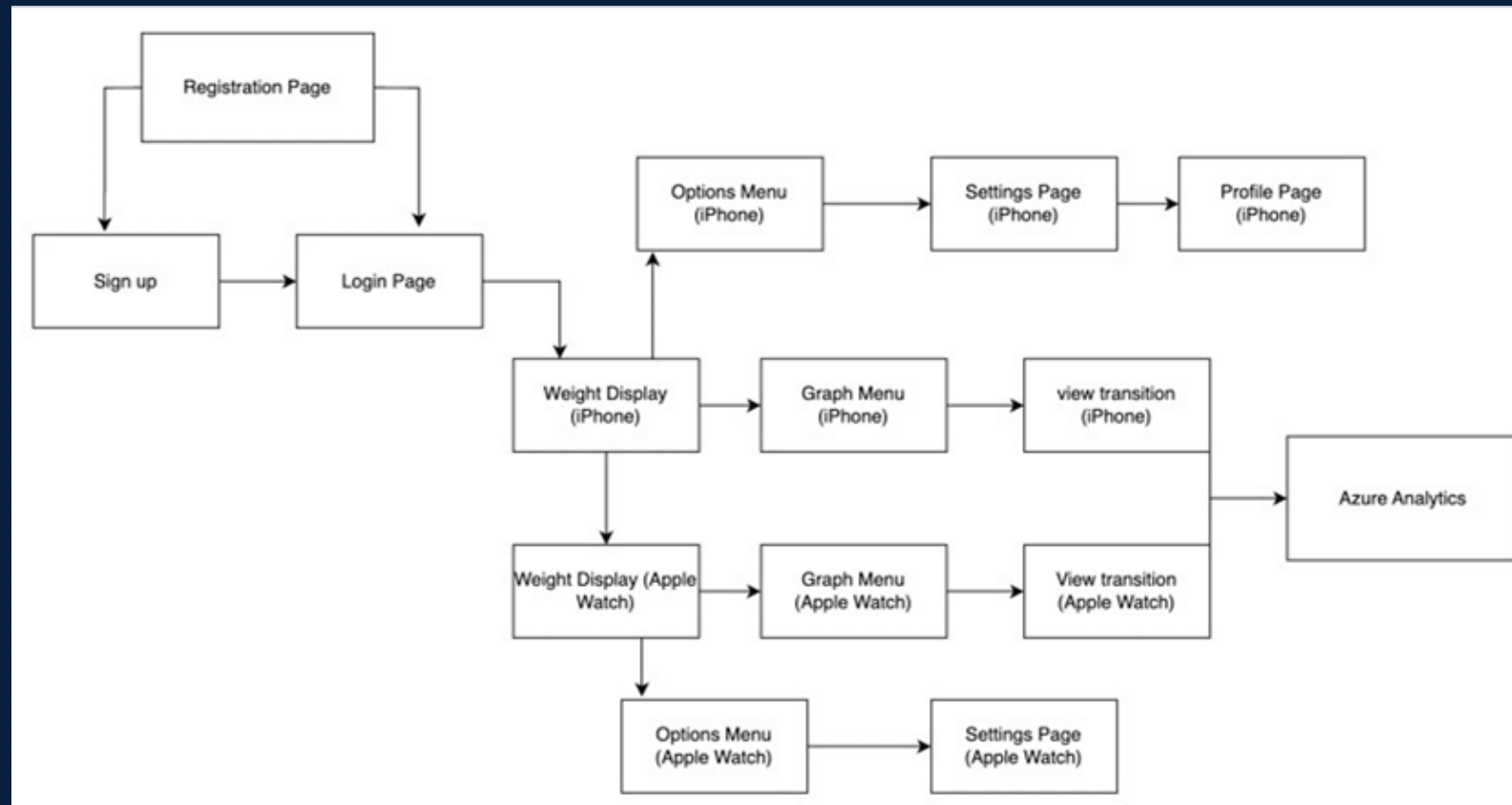
Project Management



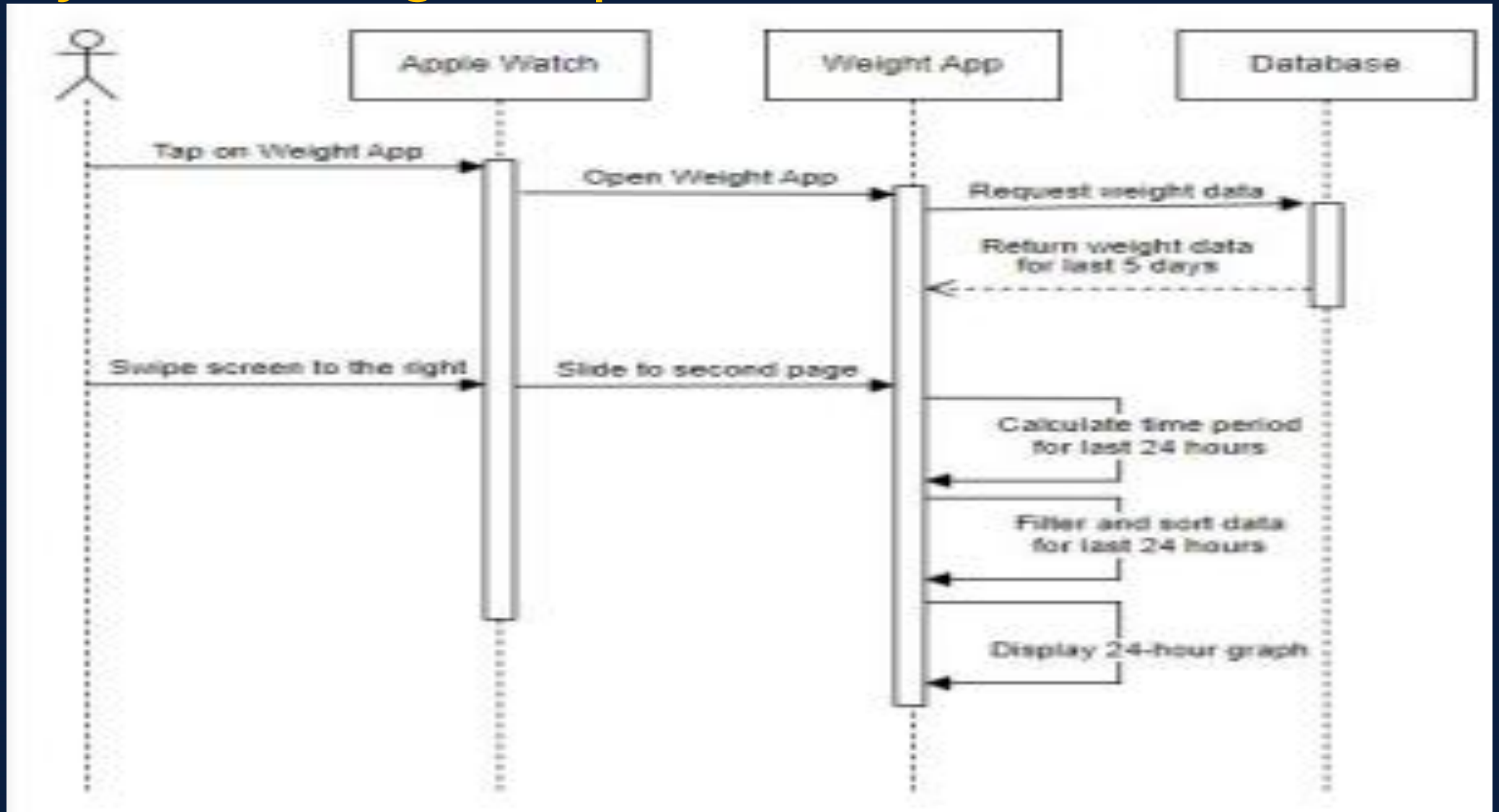
Database Use Cases

- Create Account
- Login (Authenticate)
- Check Weight
- Display Weight
- Check Graph
- Display Graph

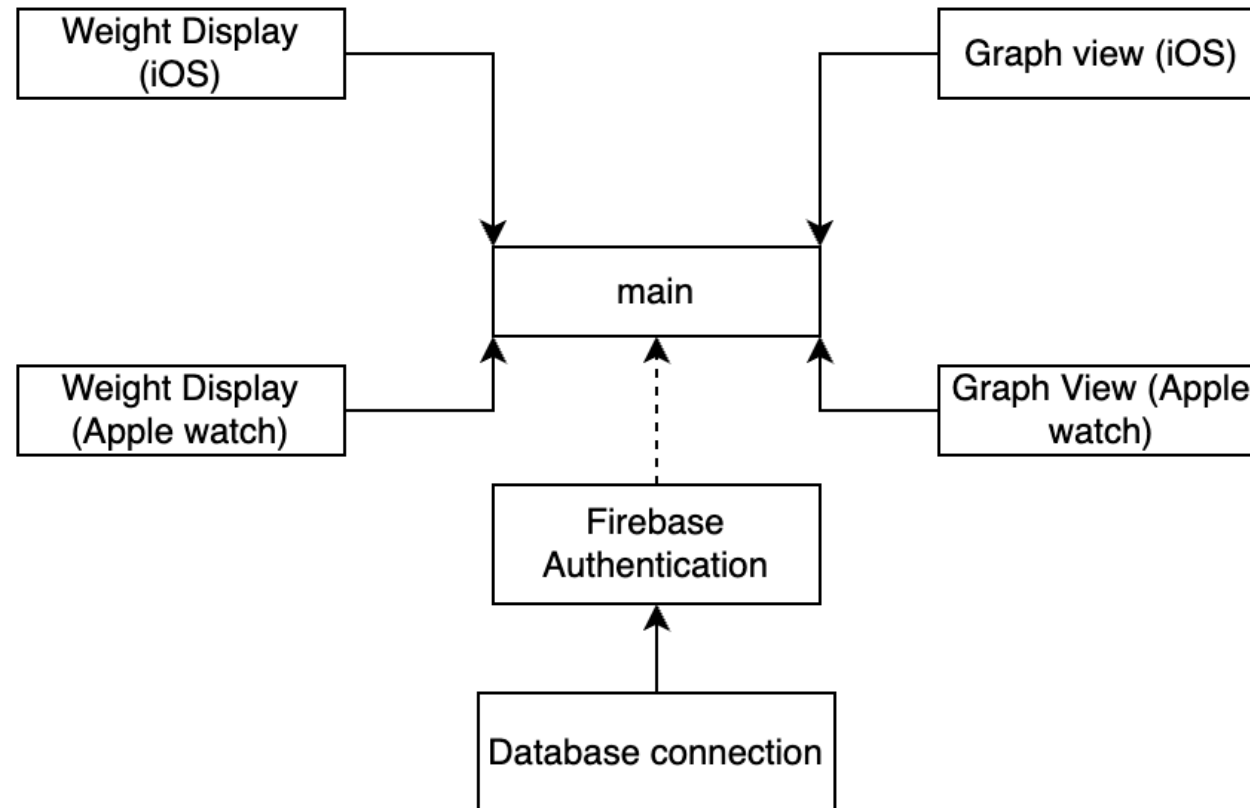
System Design: Total System Design



System Design: Implementation



Class Diagram



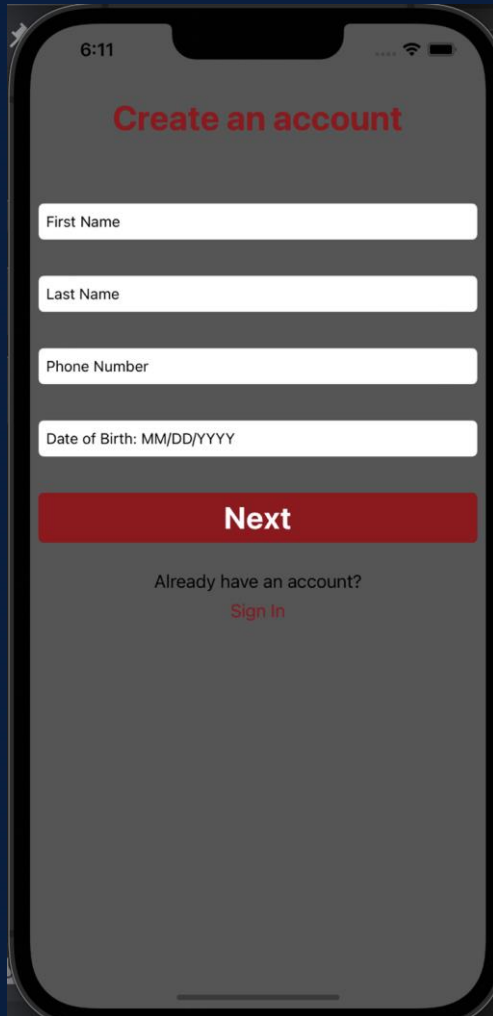
Sign up page

Sign up summary

- In the text boxes provided you can enter your email address, user name, password, age, and weight.
- The program will check if the password meets the required amount of minimum characters (12 as of now).
- The program will also check if a user has already been registered in the system.
- The program will then take the information provided by the user and input them into the firebase database



Sign Up Display



6:11

Create an account

First Name

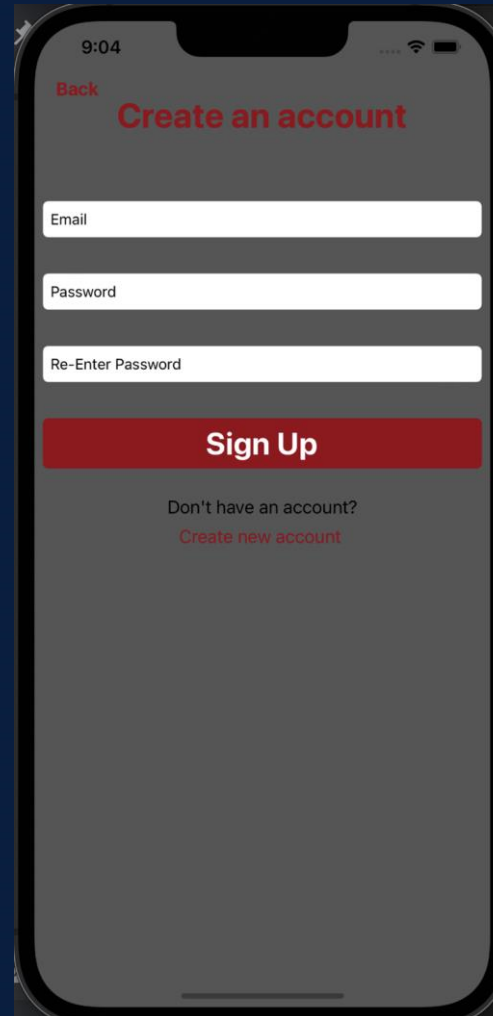
Last Name

Phone Number

Date of Birth: MM/DD/YYYY

Next

Already have an account?
[Sign In](#)



9:04

Back

Create an account

Email

Password

Re-Enter Password

Sign Up

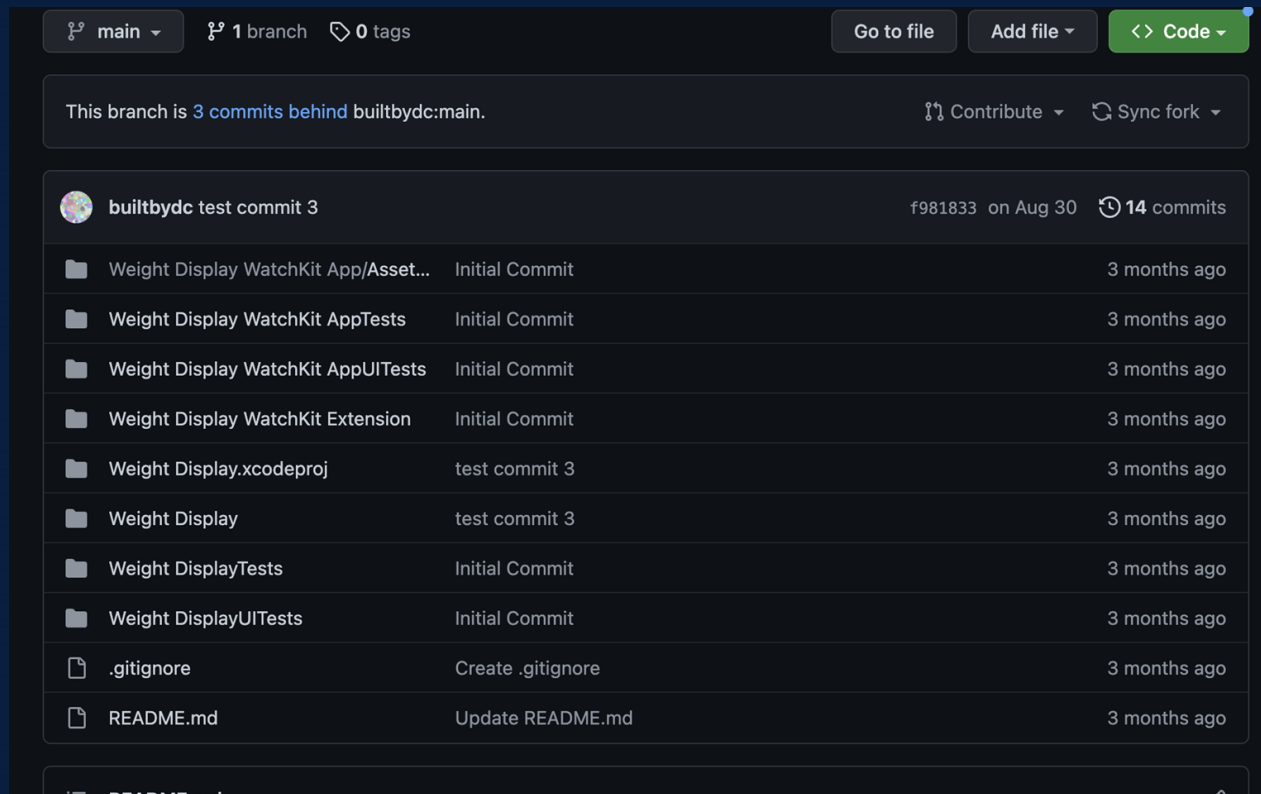
Don't have an account?
[Create new account](#)

Current System

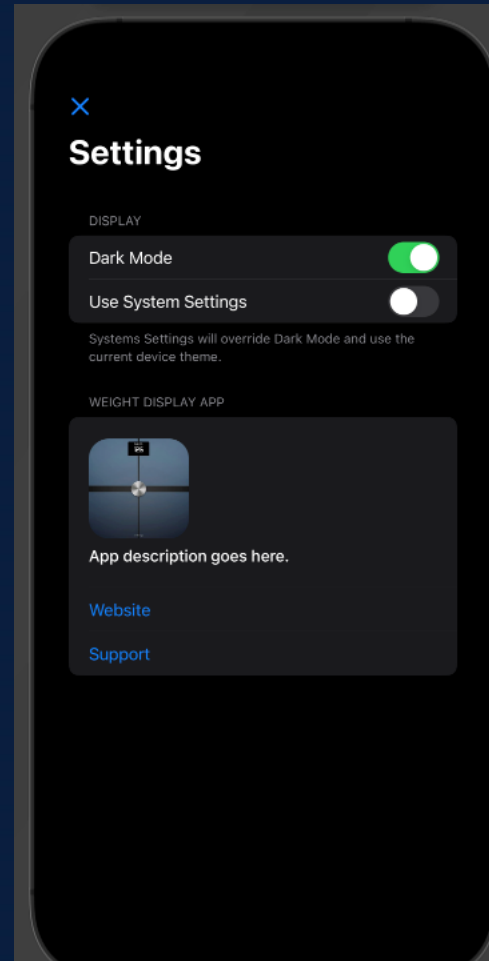
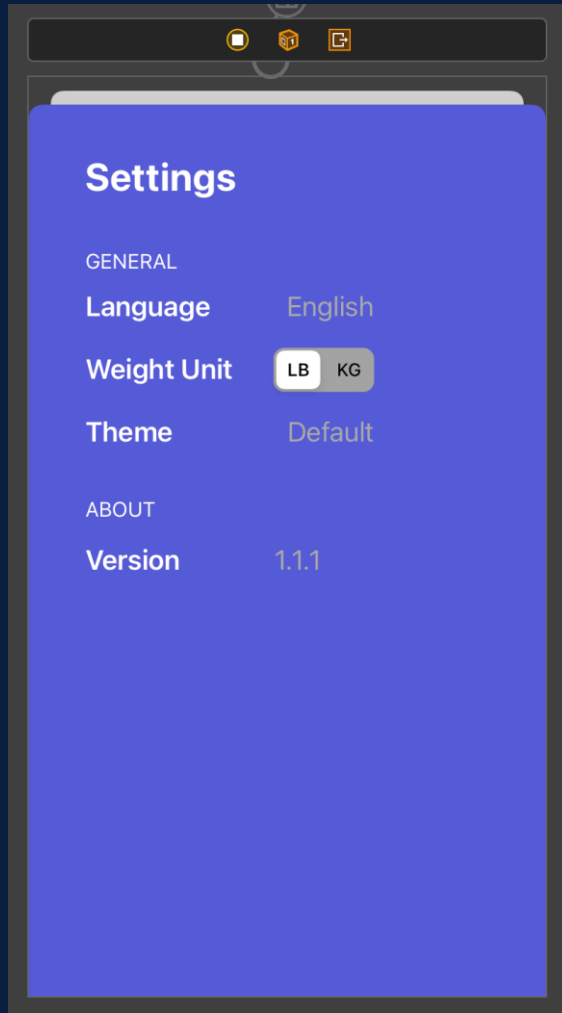
- Because there is no new system for this, we created a format that would be easy to understand and simple for the following students to edit based on product owner specifications.

GIT Installation

- With a git installation we are able to easily fork our own repositories and begin to create without worry of losing any data.

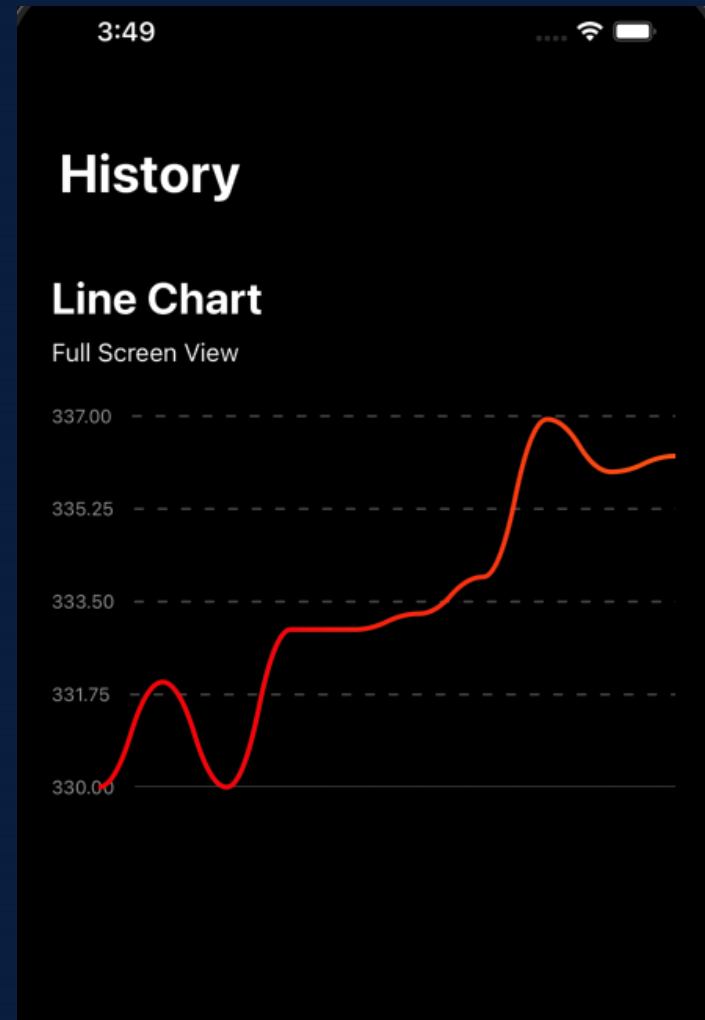
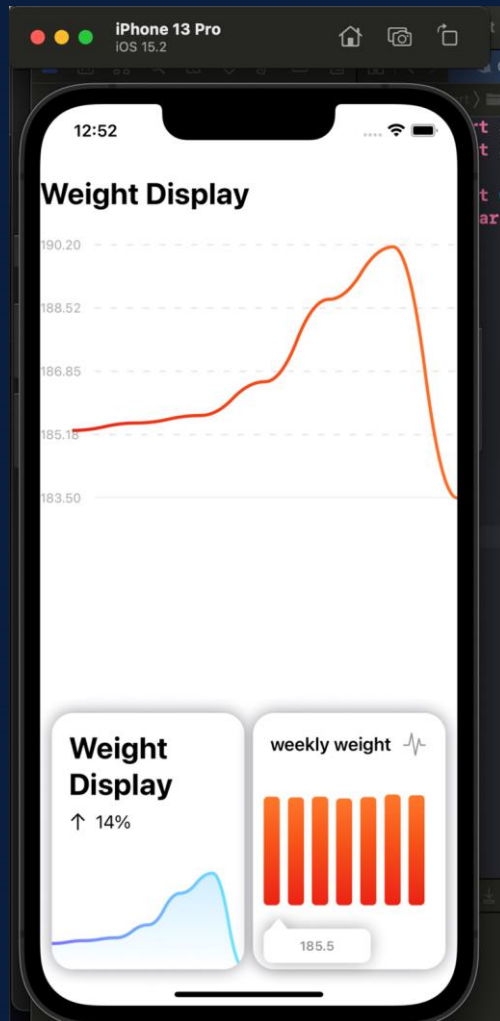


Setting Panel



- This settings page will allow the user to make changes to any information they need allowing them to have full customization within the product.

Charts Display



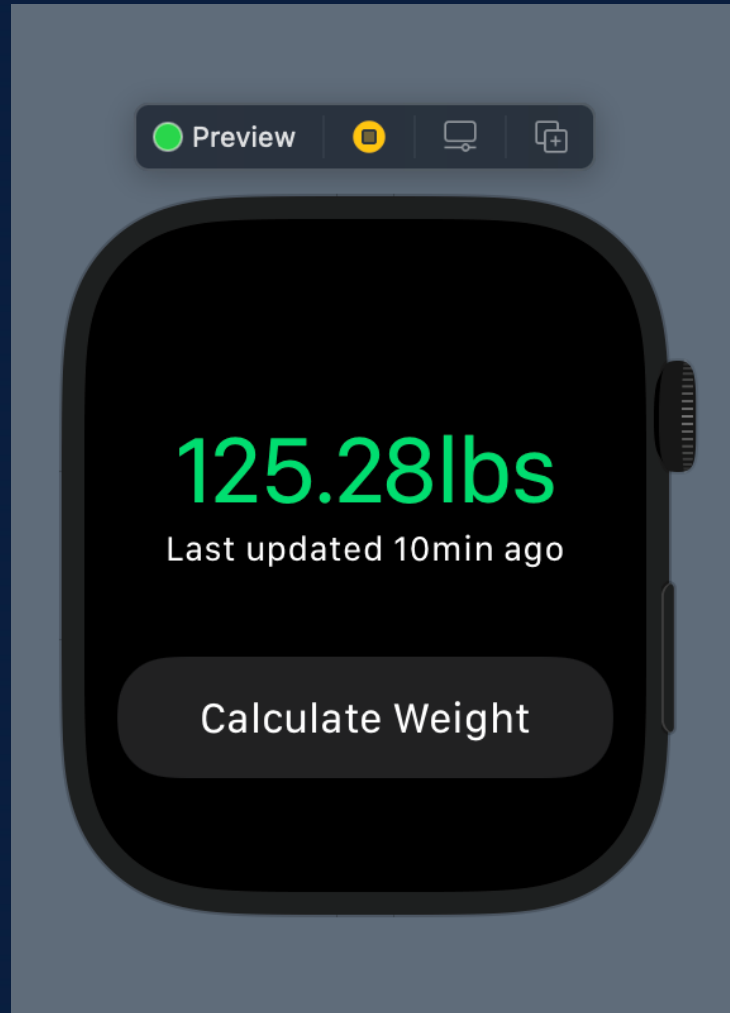
Weight Display for iOS



Weight display.

- This display is subject to change however it is straightforward in allowing the user to see what weight they are in real time as long as there is access to their personal device.

Weight Display for Apple Watch



Weight display.

- This display is subject to change however it is straightforward in allowing the user to see what weight they are in real time as long as there is access to their personal device.



Future Plans for the Project

- Finalize the google firebase authentication to remove all incoming errors.
- Integrate all code together to prevent any disconnect of what the product will look like. This also allows a fluid navigation of the system that is not yet developed.
- have a web connection that will allow firebase, azure, and the application to connect.





Thank you!

FIU

Engineering
& Computing

FLORIDA INTERNATIONAL UNIVERSITY