



FIU Knight Foundation School of Computing and Information Sciences

Spring 2023 Capstone II Project

Apple Watch Weight App

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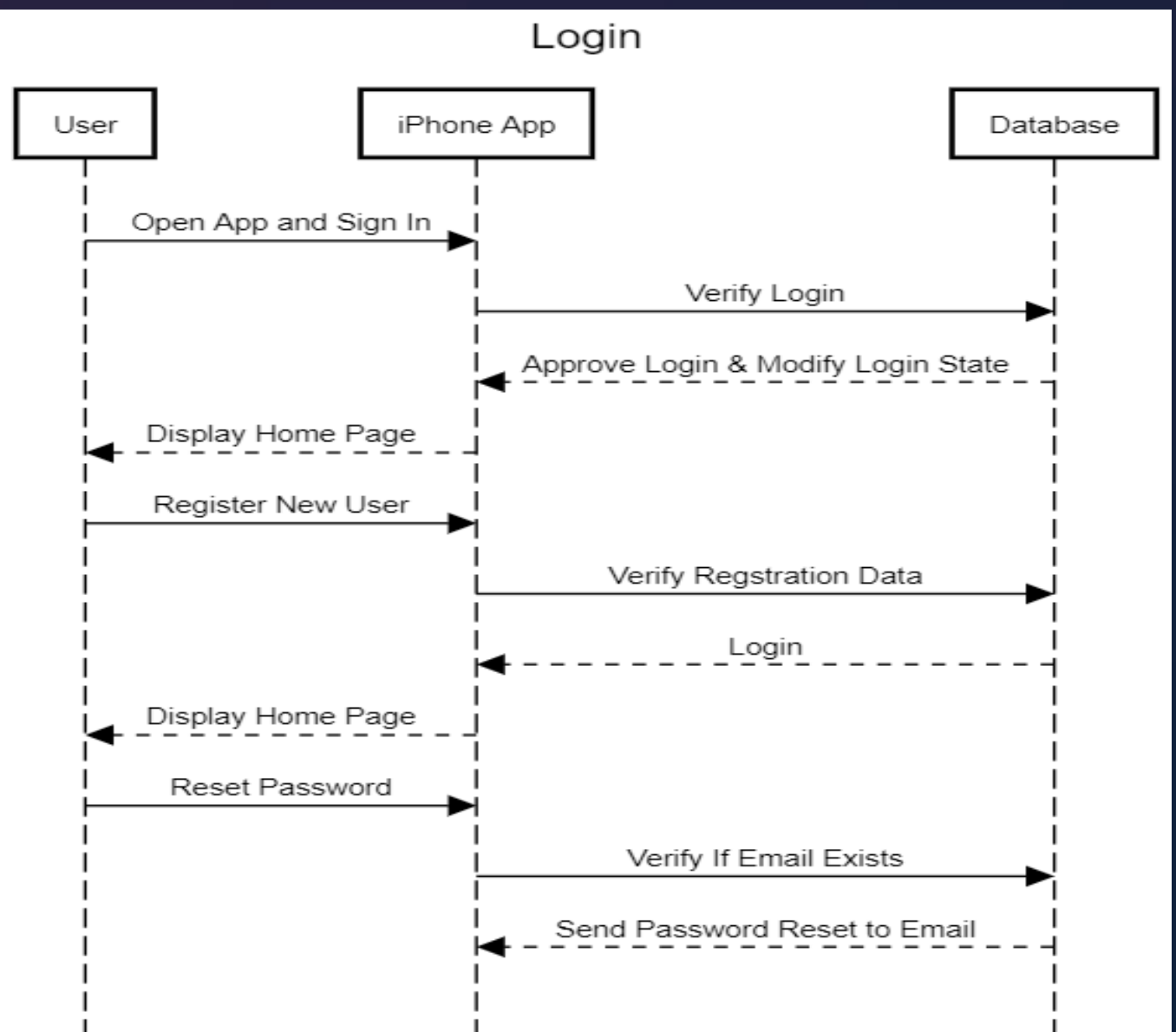
Mentor: Jessica Ramella-Roman

Instructor/Faculty: Dr, Masoud Sadjadi, Florida International University

PROBLEM

This app is aimed to solving an issue that our Product Owner has with weight scales. Most of them only work with the App they created and have limited customization on the data they want. With this App we aim to provide her a customizable app with access to most weight scale that uses Bluetooth. Requirements were a secure login with a database to store the scales data and charts that can be previewed on the Apple Watch and iPhone while on the go.

IMPLEMENTATION



VERIFICATION

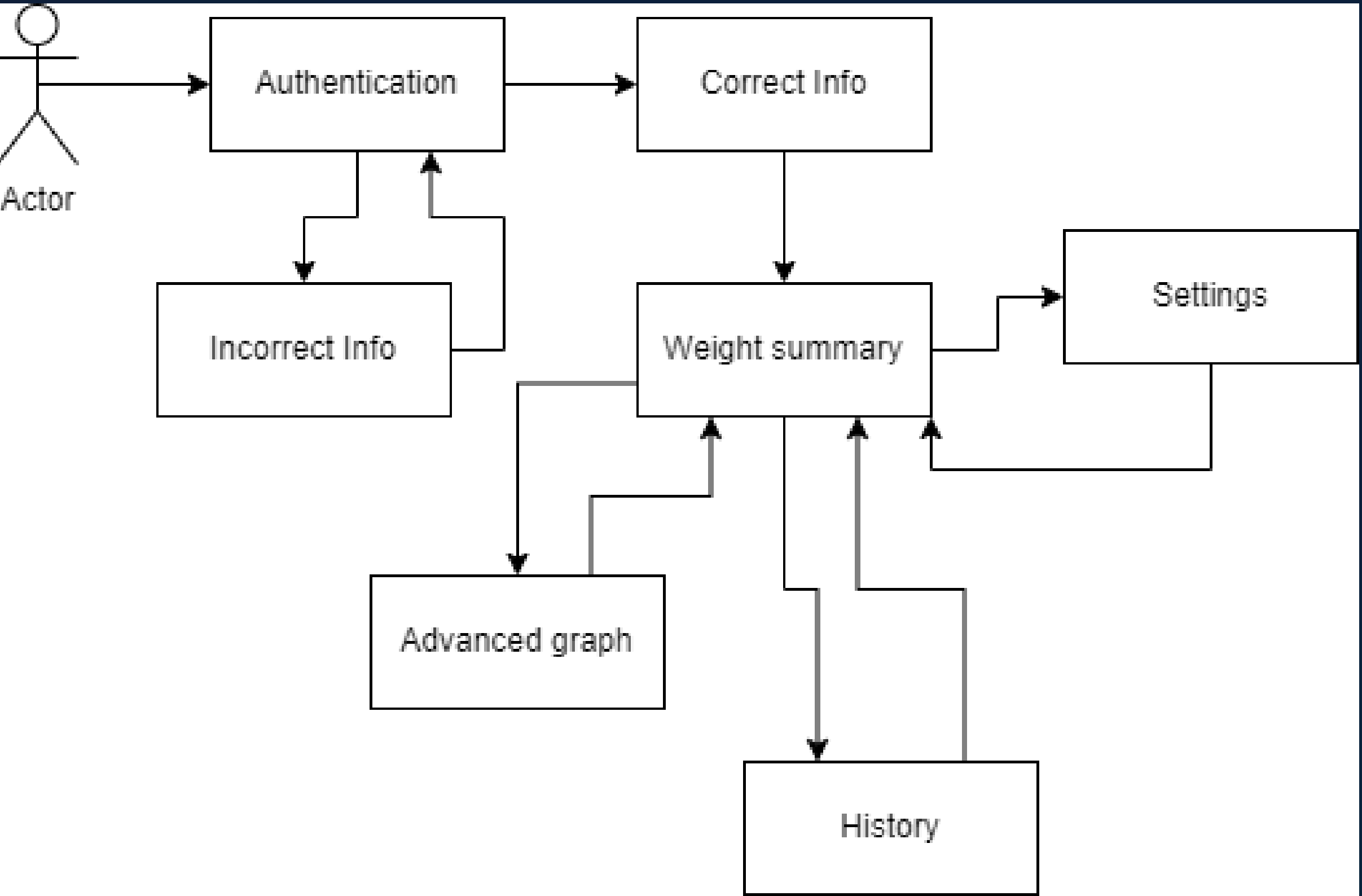
System Test Case #01	
System Test Case: User Login	
User Story: Implementing Login	
Purpose: To keep the user data secure	
Pre-Conditions:	Before accessing any user sensitive data, the App must check the users Authentication state with Firebase.
Expected Results:	If the Authentication state is false, the user is either logged out or directed to login/register page. Once they login, the authentication state is changed to true, and the user is to be redirected to the homepage.
Actual Results:	The Authentication state is false, the user is either logged out or directed to login/register page. Once they login, the authentication state is changed to true, and the user is redirected to the homepage.
Status:	Pass

CURRENT SYSTEM

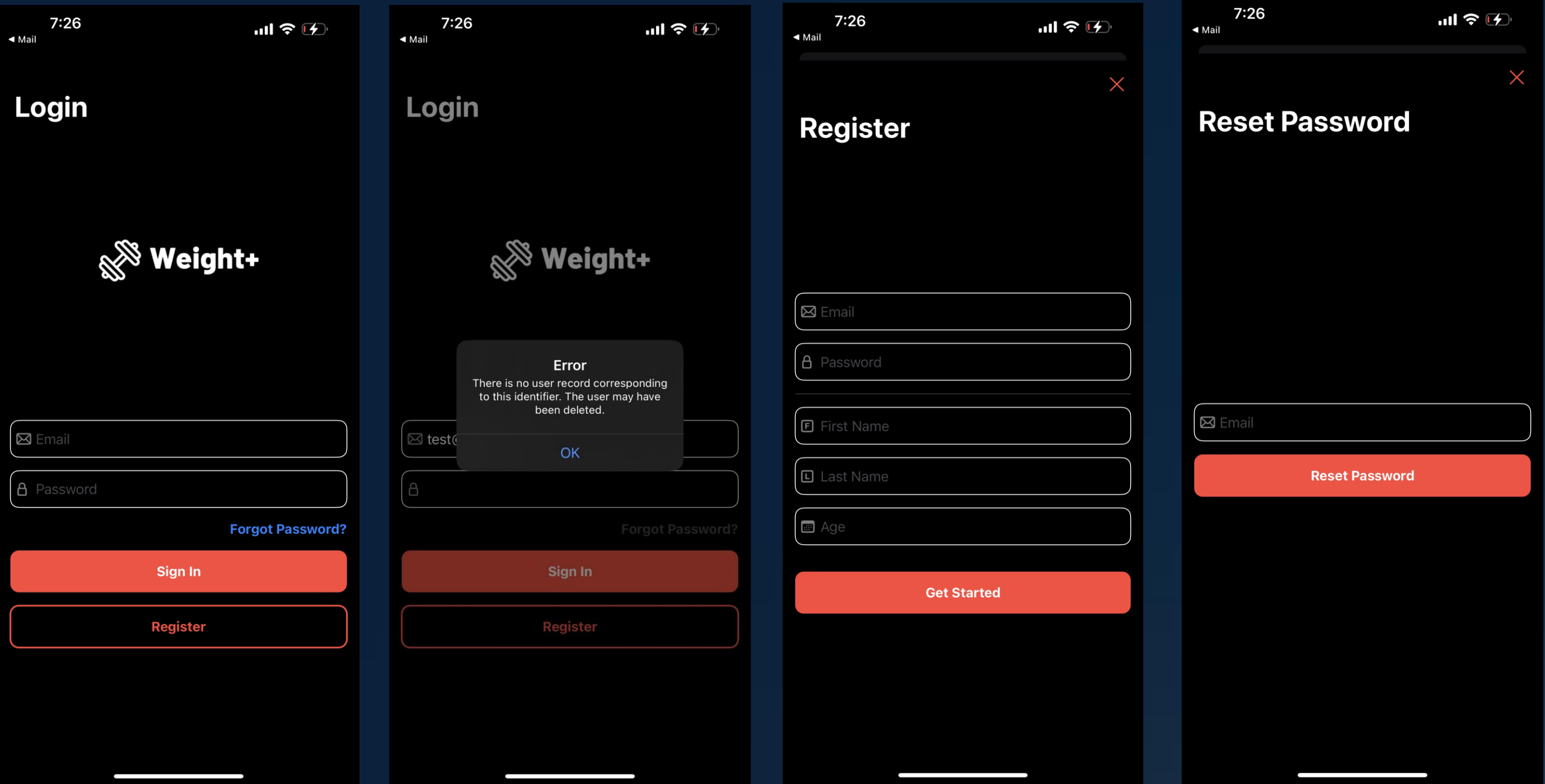
The current has a few features within its current state. Some of them are:

- Login/registration/forgot password page with a sign-out feature using Firebase Authentication.
- Firebase Database that stores basic user information such as first and last name, age and weight.
- Hard-coded data that's displayed on graphs using Swift Charts.
- App works on both iOS and WatchOS.

OBJECT DESIGN



Screenshots



REQUIREMENTS

A MacOS Desktop/Laptop that can run the latest version of Xcode.

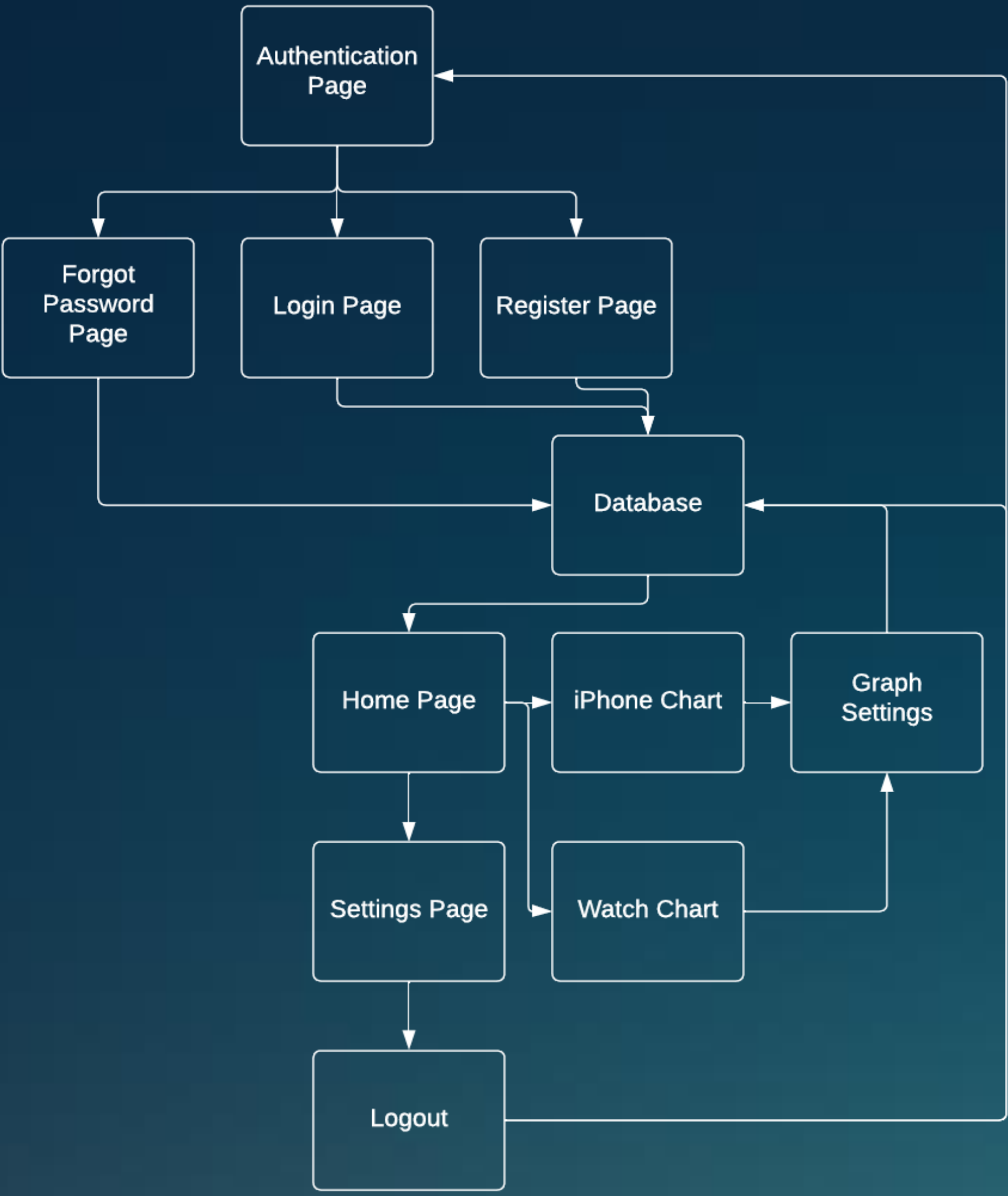
Software:

- Xcode 14.3+ (for iPhone and Apple Watch)
- Git
- GitHub

SUMMARY

- A functioning login/register page.
- Reset Password
- Logout Function
- Metric Settings
- Select target & metric weight.
- Improved App Visuals

SYSTEM DESIGN



ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Jessica Ramella-Roman . We thank Jessica Ramella-Roman for her assistance and mentorship that I/we received throughout the senior design project.