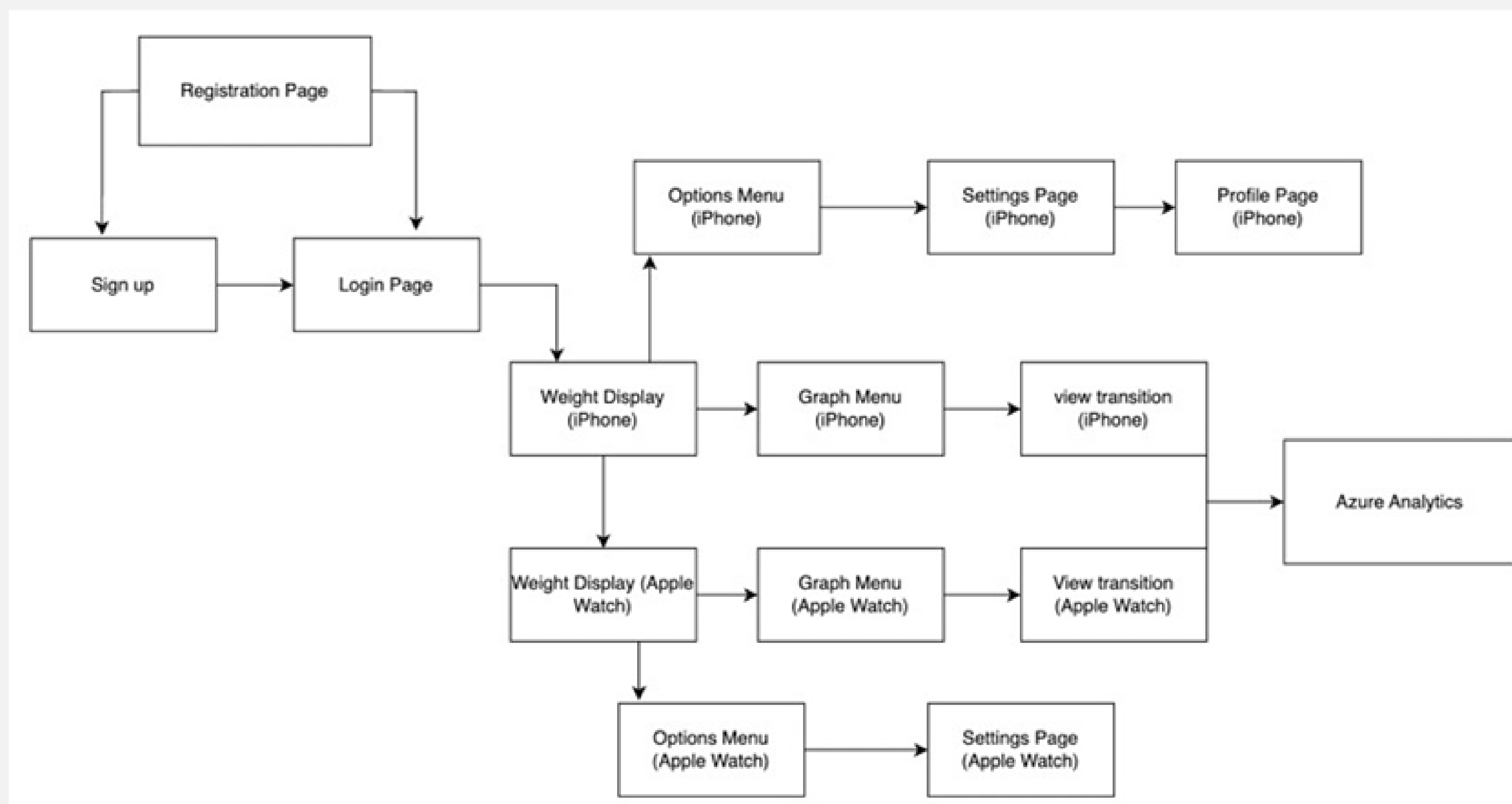


- Have Apple Watch application where someone can track their weight through Bluetooth.
- Create iOS app to pair with the watch app that also displays the weight.
- Person can create an account where their weight information is logged

Current System

- The application runs on iOS and WatchOS as Swift applications.
- Features a registration page with sign up and login options
- The features 24 Hour Graphs, Monthly Graphs, Weight tracking of user, both in the iphone app and the apple watch
- Option and graph menu for weight display in both versions of the app
- Setting page available in both versions, and profile page in the phone version
- View transition from the graph menu to the Azure analytics available in both versions of the app

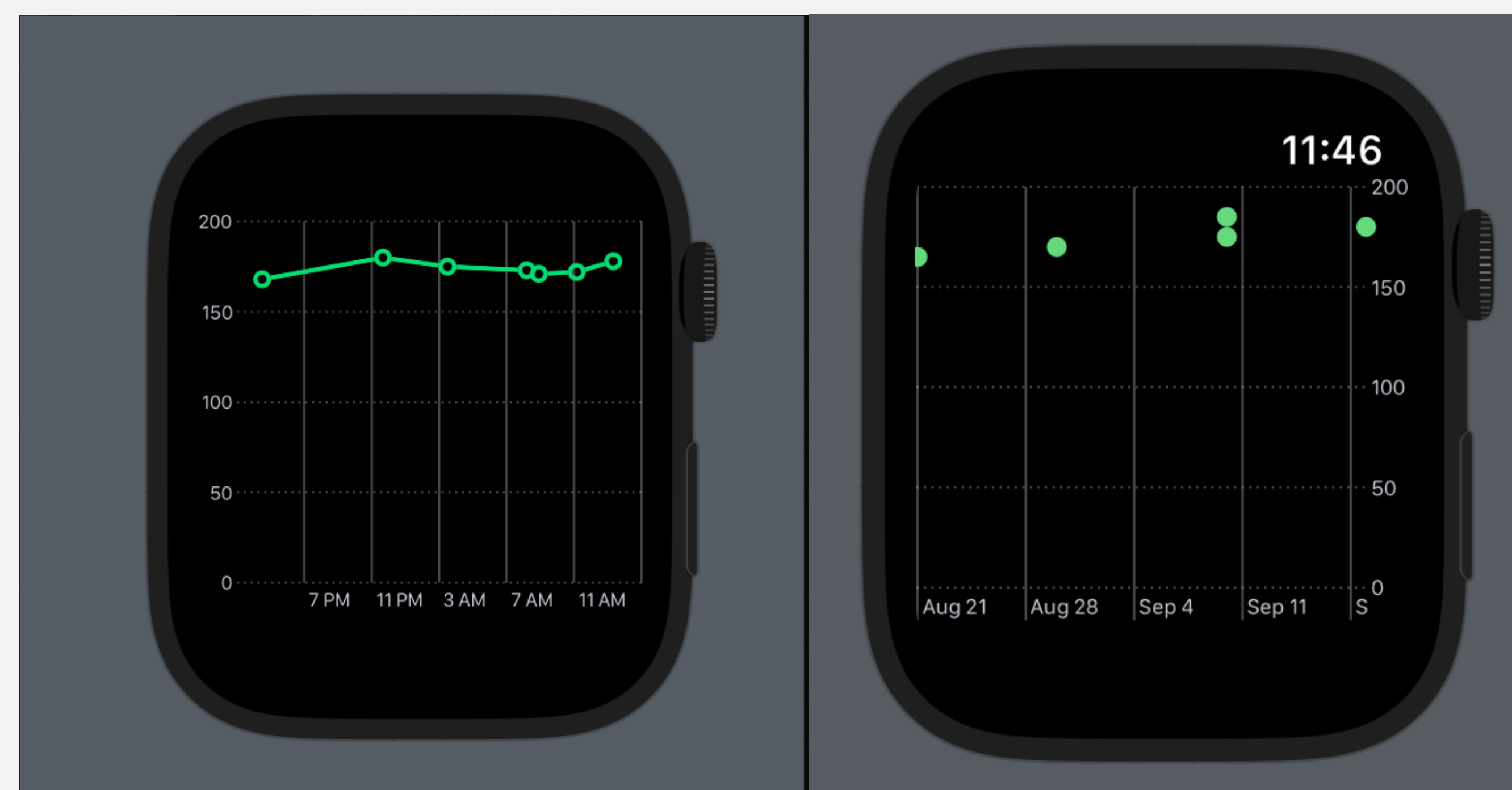
System Design



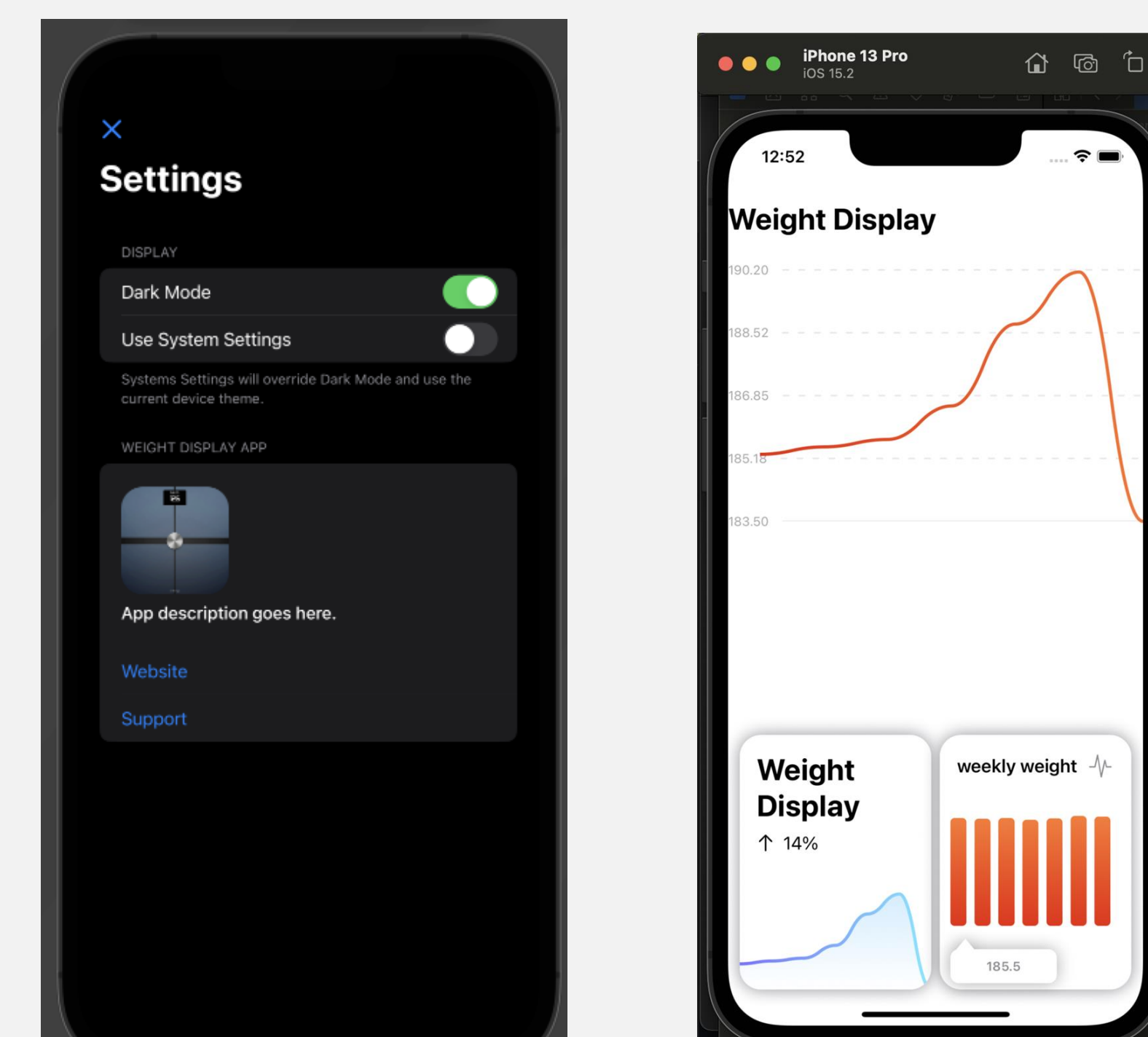
Verification

Capstone I students consistently tested the different functionalities of the iOS/Watch apps including each feature and reported any bugs encountered to the Capstone II students. We ensured that the applications were user-friendly and easily accessible.

Apple Watch



Screenshots



iOS App

Requirements

Software:

- Apple Mac Computer
- Latest version of Xcode and MacOS
- GitHub

Implementation

- Swift
- GitHub
- Xcode
- Storyboard
- Google Firebase
- Azure (MS SQL)

Summary

- We were able to create the iOS and Watch apps which can track the weight of a user and display graphs with this information, albeit with test data.
- Throughout the course of the project, we had accurate documentation on our code which will allow for next semester's students to easily understand and improve upon it.
- Azure implementation should be worked on for the next semester.