

Apple Watch Weight App

Student: Antonella Avogadro Amadei

Mentor: Jessica Ramella, Product Owner

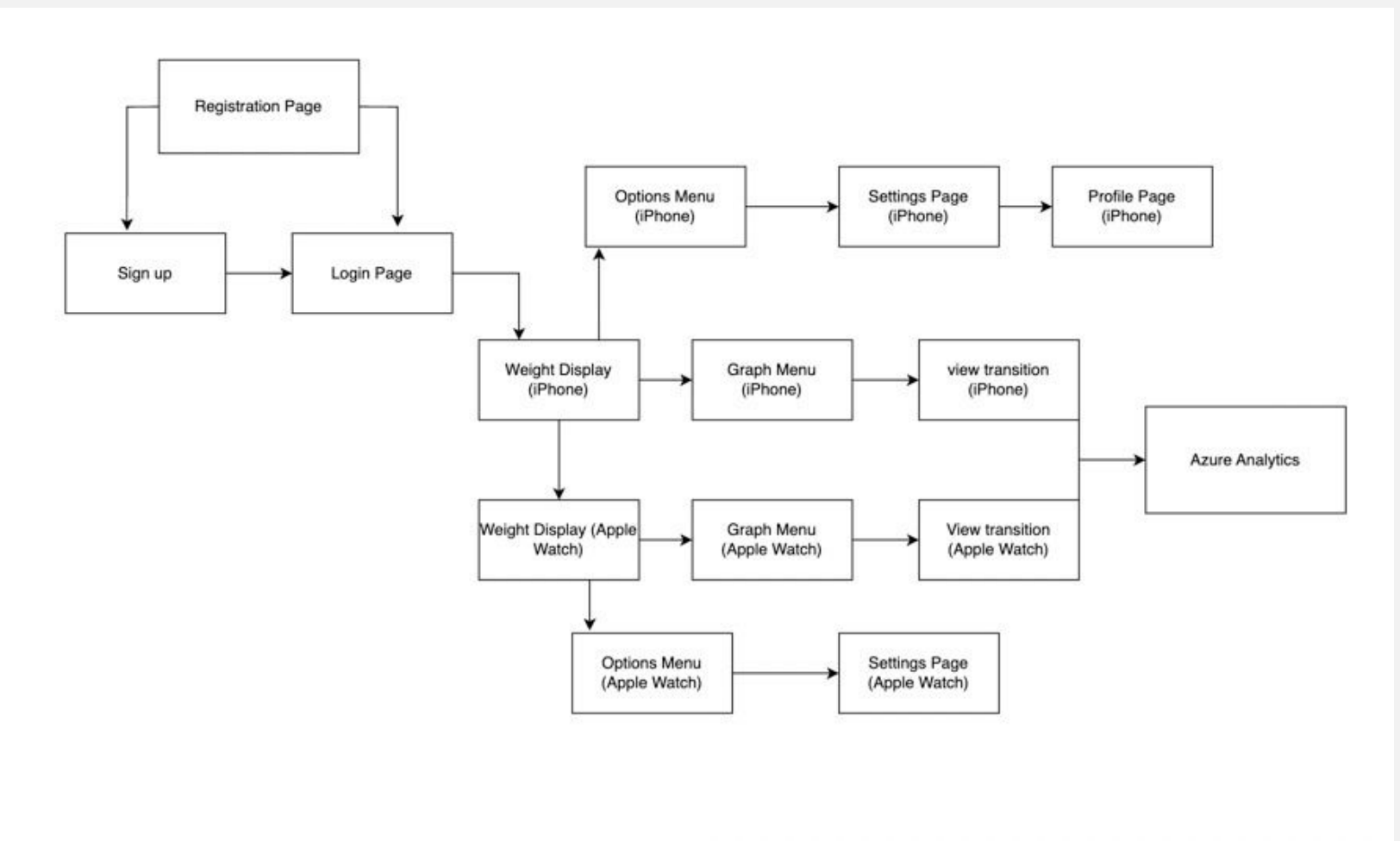
Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University



PROBLEM

Product Owner is creating a device to monitor an individual's weight and needs a way to visualize it on an Apple Watch. We soon came to realize that in order to have proper connectivity and functionality, an iPhone app would also be necessary.

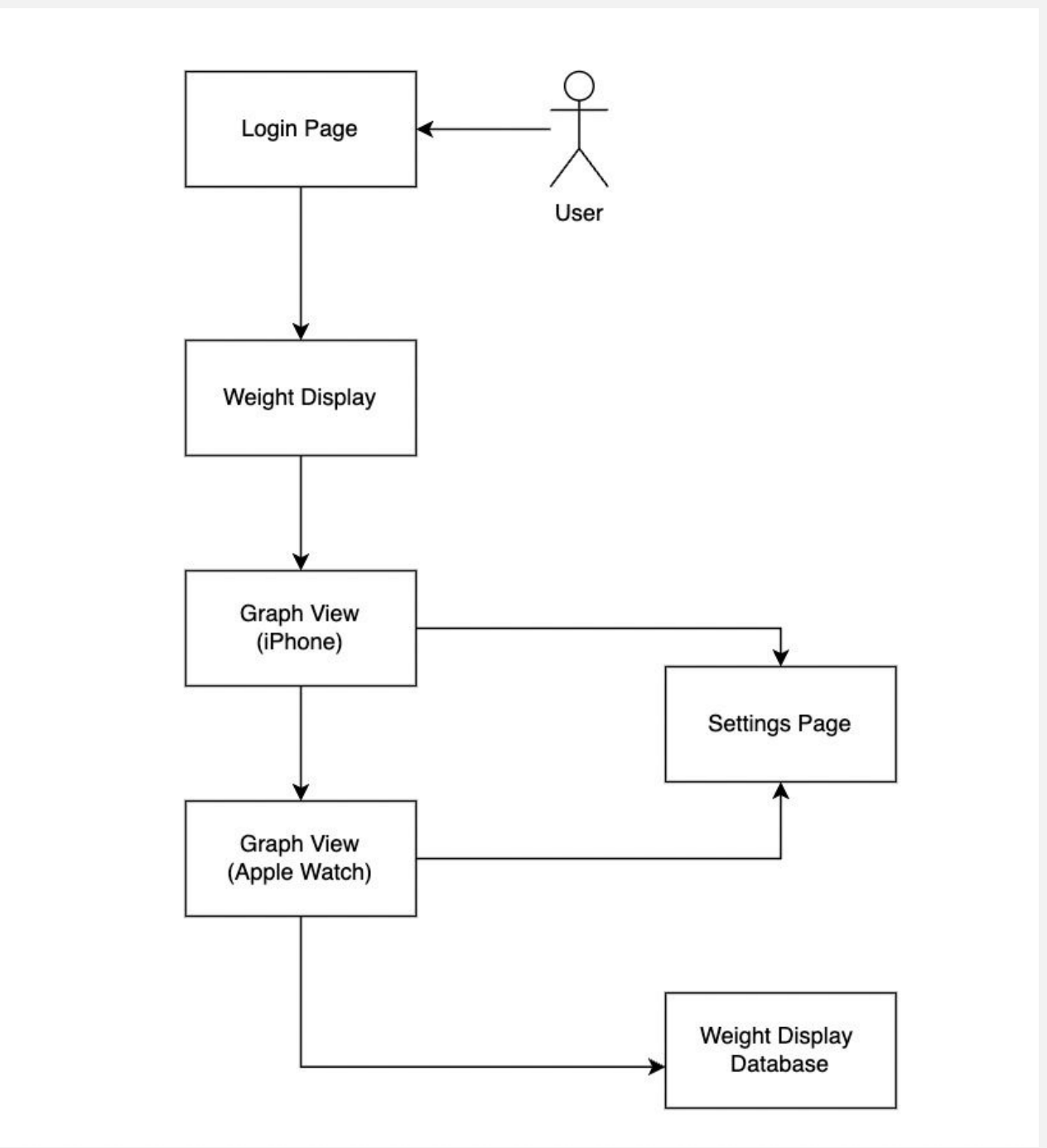
SYSTEM DESIGN



CURRENT SYSTEM

- Current system displays hard-coded weight data (not directly from device)
- watch display shows current weight and can display a graph of weight history.
- iPhone app displays current weight, and history as well. Settings page allows user to change editable options.

OBJECT DESIGN



SUMMARY

- The iOS app now displays the current weight (currently hardcoded but can easily get set up to receive data from the device). The app is also able to display data for a monthly data set of weights that can easily be fed to the current graph.
- The iOS app also has a settings page that can toggle between light and dark mode and display information about the app. Future additions can be toggling between lbs and kgs.

REQUIREMENTS

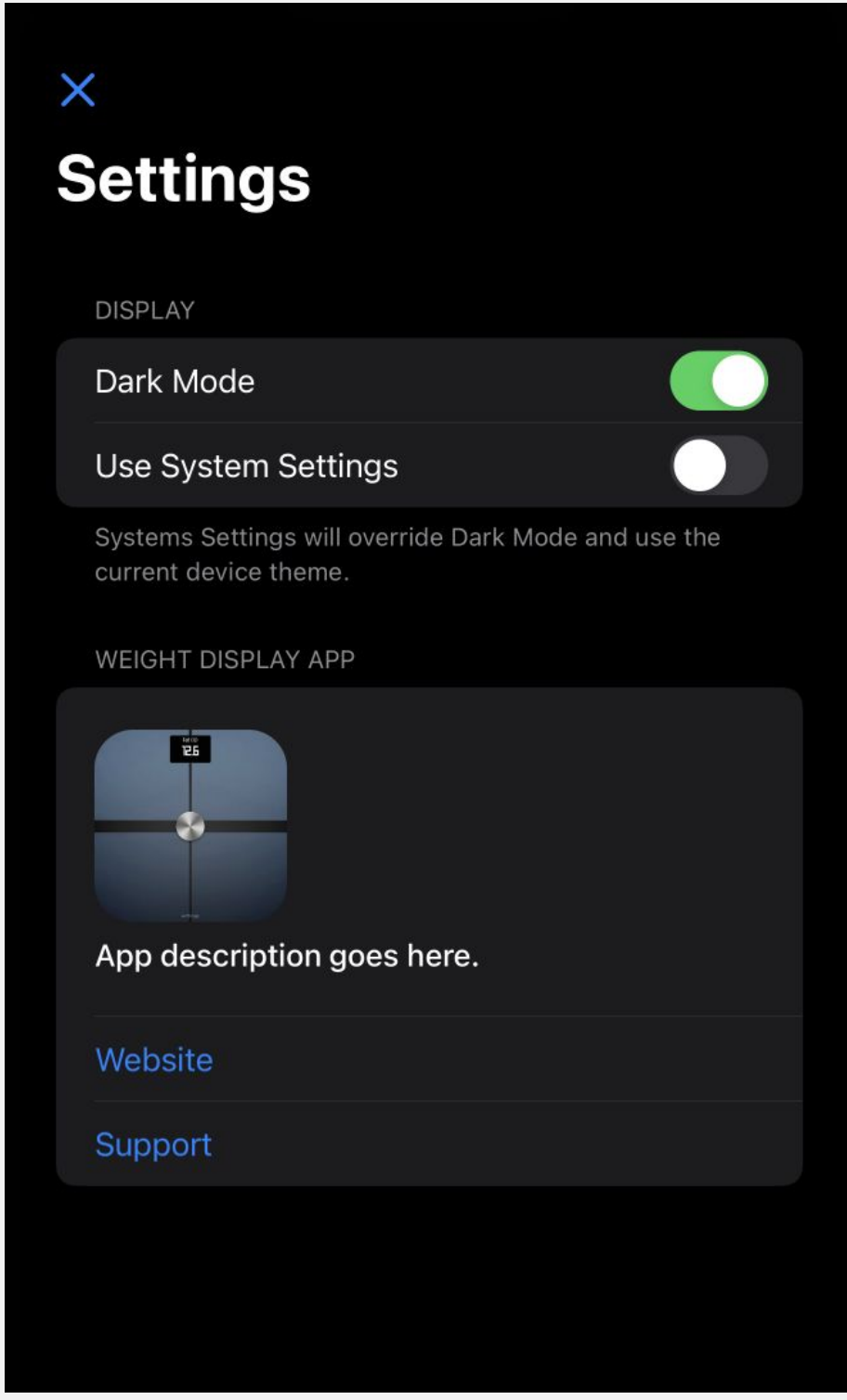
Software:

- macOS v12.5+
- iOS v16+
- watchOS v9+
- Xcode v14+
- GitHub

IMPLEMENTATION

XCode
Swift
SwiftUI
SwiftUICharts

SCREENSHOTS



System Test Case #05	
System Test Case : iOS_MonthGraph	
User Story: Monthly Graph	
Purpose: Have a graph that displays user's weight over the course of a month.	
Pre-Conditions:	Have the device synced to the user's phone. Open the iOS app and swipe to the left once.
Expected Results:	Swiping to the left displays a graph with a summarized view of the user's weight for the past month.
Actual Results:	Swiping left shows the monthly graph visualizing the user's weight history for the past month.
Status:	Pass

ATTENTION: Subheadings shown above is a recommended structure for a research/scientific poster. Main elements of a poster are Introduction, Research and Conclusion. Researchers can customize the section headers based on their projects' needs.
REMOVE THIS TEXT ONCE YOU START WORKING ON YOUR POSTER

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by XXXXX (name of the project sponsor: federal, state or local government, or corporate partners, where applicable). We/I thank XXXX for his/her/their assistance and mentorship that I/we received throughout the senior design project.